# **Final Well Report**

Revision:	Version 0
Operating Company:	Vulcan Minerals Inc. (Investcan Energy
	Corp)
Hole Name:	Flat Bay Test Hole # 7
Rig:	Duralite 800
Field:	Flat Bay
Location:	Western Newfoundland, Canada
Date:	March 27 <sup>th</sup> , 2012
Revised On:	N/A

Prepared by:	Reviewed by:
Elliott Stuckless	Patrick Laracy, P.Geo.
Vulcan Minerals	Vulcan Minerals
Date:	Date:

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#### 1.0 Introduction

Flat Bay Test Hole #7 was operated by Vulcan Minerals Inc. - Investcan Energy Corp. Joint Venture and drilled by Logan Drilling Limited utilizing a Duralite 800 Core Drilling Rig. The test hole was spudded on September 26<sup>th</sup>, 2011 and the rig was subsequently released October 1<sup>st</sup>, 2011 upon completion of the hole.

The purpose of the hole was to acquire reservoir information in regards to the commercial viability of a hydrocarbon bearing formation identified in the Flat Bay area from the previous drilling at Flat Bay. In particular, preserved core is desired to measure and/or determine reservoir parameters such as in-situ fluid contents and physical properties, rock properties such as porosity, permeability and any related information available from laboratory analysis regarding reservoir properties of the cored interval. Other wells drilled within the basin by Vulcan Minerals Inc. (i.e. Flat Bay #1) had encountered significant oil in a relatively thick sequence of sandstone and conglomerate (Fishell's Brook Formation).

As predicted the hole penetrated a thick sequence of anhydrite, a thin interval of Ship Cove limestone followed by the target reservoir formation, conglomerate and sandstone of the Anguille Group. Hydrocarbon shows, varying from excellent to minor, were detected throughout the entire reservoir section. Live oil was observed weeping out around clast boundaries and some sections of coarse grained matrix. Because of the relatively low porosity/permeability of the core, oil would weep from the core many hours after the core was retrieved. Some core had no obvious oil shows when taken from the core barrel but wept oil later. As a result the reservoir sections may contain more significant oil than originally described upon core retrieval.

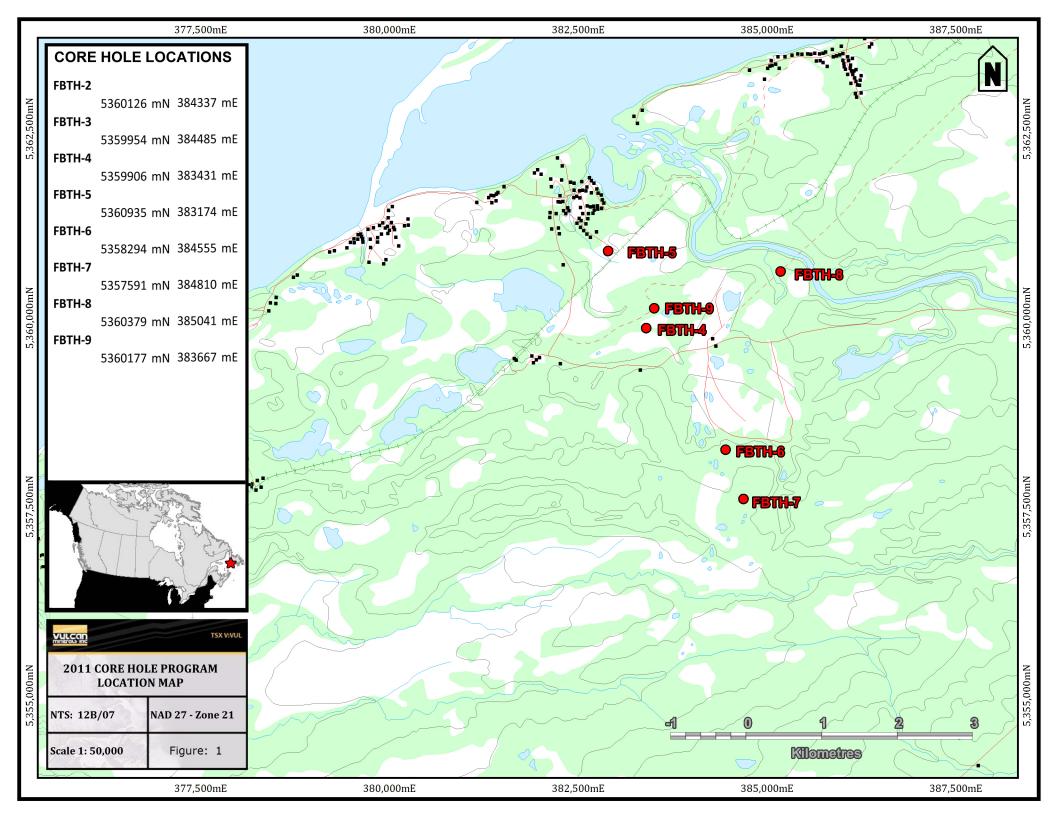
#### 2.0 General Information

The drill site is located just south of the former gypsum quarry. Stephenville, the regional service center for the area is approximately 35 km from the site.

#### Well Name

Vulcan - Investcan Flat Bay Test Hole #7

#### 2.1 Map



#### **Exploration Permit**

The well was drilled on exploration Permit 03 - 106 under the authority of Drilling Program Approval (DPA) # 2011-116-01 and Authority to Drill a Well (ADW) # 2011-116-01-04, both issued on August  $19^{th}$ , 2011 (Appendix I).

#### **Location Co-ordinates**

The NAD 27 UTM co-ordinates of the well are as follows:

Northing: 5357590.861 m N Easting: 384810.480 m E

Elevation: 80.448 m

The survey was carried out by R. Davis Surveys Ltd. of Stephenville Crossing using differential GPS surveying equipment and techniques (Appendix VIII).

#### 2.2 Difficulties and Delays

Difficulties encountered while drilling were as follows:

No difficulties or delay were encountered while drilling FBTH # 7.

#### 3.00 Drilling Operations

A summary of the daily drilling operations are contained in Appendix II – Daily Drilling Reports.

#### 3.1 Elevation

Elevations for the entire hole were measured from the bottom edge of the surface casing and are above mean sea level as follows:

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Ground – 80.448 m
Casing – 81.448 m
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#### 3.2 Total Depth

The following depths are measured from the top of casing:

Total drilled depth – 220.0 m Total Vertical Depth – 220.0 m

#### 3.3 Spud Date

The well was spudded September 26<sup>th</sup>, 2011

#### 3.4 Date Drilling Completed

The well ceased drilling on October 1<sup>th</sup>, 2011

#### 3.5 Rig Release Date

The drilling rig was released on October 2<sup>th</sup>, 2011

#### 3.6 Well Status

The well was abandoned at 220.0m. The hole was completely filled with cement while the rods were pulled out of the hole from 220.0m to surface. The casing was cut 1 m below ground level. The well head was then marked by a large boulder.

#### 3.7 Hole Sizes and Depth

The following depths are measured from top of surface casing and hole sizes are outside diameters (O.D. (mm)).

<u> Hole Section</u>	<u>Size (mm)</u>	<u>Depth (m)</u>	
Surface	91.7 (NW)	72.0	
Main	75.7 (NQ)	220.0	

#### 3.8 Bit Records

The surface hole was drilled with one 91.7 mm (NW) diamond casing shoe bit. The main hole was drilled with one 75.7 mm (NQ) diamond-drilling bits. Depths in and out of each bit as well as type and serial # are outlined in Appendix III.

#### 3.9 Casing and Cementing Record

The drilling program used NW shoe bit, advanced with NW core. The casing used for the surface/conductor pipe was NW casing, 88.9 mm – 12.8 kg/m3 with a NW shoe placed at 72 m. 72 meters of NW casing set in hole (Appendix XI).

The NW casing was cemented with  $0.1~\text{m}^3$  of Class A Portland Cement at a density of 1820 kg/m³, no cement returns were observed at surface, additional cement was poured from surface to stabilize the top of the casing. Cement was tagged in the casing from 69-72 m.

#### 3.10 Side-tracked Hole

Not applicable (N/A)

#### 3.11 Drilling Fluid

The drilling fluids consisted of fresh water. Entirety of the hole was drilled with fluid densities approximately equal to fresh water 1000 kg/m3.

#### 3.12 Fluid Disposal

Drilling fluid was disposed of by Logan Drilling in compliance with government regulations.

#### 3.13 Fishing Operations

No fishing operations were conducted on this particular well.

#### 3.14 Well Kicks

There were no kicks encountered during drilling of test hole.

#### 3.15 Formation Leak – Off Tests

There was no Formation Leak – Off Tests performed during drilling of hole.

#### 3.16 Time Distribution

<u>Activity</u>	<b>Total Hours</b>
Drilling	52
Site Mob/Demob	12
Rig Repairs	0
Circulating	0
Tripping	0
Cementing	6
Wait on Cement	16
Drill Out Cement	2
Survey	0
Casing Preparation	0
BOP Rig Up / Tests	2
Wait on Parts	0
Stand By	8.5

#### 3.17 Deviation Plot

Not applicable (N/A)

#### 3.18 Suspension Program

Not applicable

#### 3.19 Well Schematic

A detailed well schematic containing pertinent well bore information is attached (Appendix XI).

#### 3.20 Fluid Samples

No formation fluid samples were taken.

#### 3.21 Composite Well Record

A composite Well Record is included as Appendix IV.

#### 4.00 Geology

#### 4.1 Drill Cuttings

No cuttings were taken because entire hole from bedrock surface to total depth was cored.

#### 4.2 Cores

The entire hole from bedrock surface to total depth was cored. Practically one hundred percent core recovery was achieved. Drill core not sent for analysis is stored at Vulcan Minerals Inc. storage warehouse in Stephenville, Newfoundland and Labrador. All core boxes are numbered sequentially and marked with respective depth intervals (Appendix VI).

#### 4.3 Lithology

A detailed description of drill core was compiled and is included in Appendix VII. Roland Strickland under contract to Vulcan Minerals Inc. provided geological descriptions of all drill cores.

#### 4.4 Stratigraphic Column

A stratigraphic column chart is attached as Appendix V.

#### 4.5 Biostratigraphic Data

No biostratigraphic analysis has been carried out on core samples.

#### 5.0 Well Evaluation

#### 5.1 Downhole Logs

There were no downhole logging operations conducted.

#### 5.2 Other Logs

There were no other downhole logging operations conducted.

#### 5.3 Synthetic Seismogram

Not applicable

#### 5.4 Vertical Seismic Profile

Not applicable

#### 5.5 Velocity Surveys

Not applicable

#### 5.6 Formation Stimulation

Not applicable

#### **5.7 Formation Flow Tests**

Not applicable

#### 6.0 Other Data

#### 6.1 Mud Loggers Report

Not applicable

#### 6.2 Directional and Deviation Survey

Not applicable

#### 6.3 Final Legal Survey

The final legal survey as carried out by R. Davis Surveys Ltd. is contained in Appendix VIII.

#### 6.4 Core Photos

Core photos are contained in Appendix IX.

#### 6.5 Core Analysis Report

Core analysis report is contained in Appendix X.

#### 6.6 Fluid Analysis Report(s)

Not Applicable.

#### 6.7 Oil, Gas and Water Analysis Report(s)

Not Applicable.

# 6.8 Geochemical, Biostratigraphic, Petrological, Palynogical Paleontological Reports

The stratigraphic control of this well is considered excellent with 100% core recovery and geological descriptions of lithologies intersected paired with known lithological data from offset wells.

#### 6.9 Well Termination Report

A well termination program is included in Appendix XI of this report.

Appendix I Authority to Drill Well



Government of Newfoundland and Labrador

August 19th, 2011

Mr. Patrick Laracy, President Vulcan Minerals Inc. 333 Duckworth Street St. John's, NL, A1C 1G9

Dear Mr. Laracy:

RE: Drilling Program Approval and Authority to Drill a Well for Vulcan Minerals Flat Bay Test Holes #4, #5, #6, #7 and #8

Please find attached the following executed documents:

Drilling Program Approval (DPA 2011-116-01);

Authority to Drill a Well (ADW 2011-116-01-01);

Authority to Drill a Well (ADW 2011-116-01-02);

Authority to Drill a Well (ADW 2011-116-01-03);

Authority to Drill a Well (ADW 2011-116-01-04);

Authority to Drill a Well (ADW 2011-116-01-05).

These documents contain attached conditions. Please review these conditions and ensure that they are prominently displayed at the wellsite at all times.

Thank you for your interest in western Newfoundland and good luck with your exploration efforts.

Yours sincerely,

Director

Petroleum Engineering



Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### DRILLING PROGRAM APPROVAL - APPLICATION

Pursuant to sections 8 and 9 of the Petroleum and Natural Gas Act(1.), Vulcan Minerals Inc.
as operator on behalf of Vulcan Minerals Inc. & Investean Energy Corp. Joint Venture , holding a
subsisting licence, permit or lease issued pursuant to the Petroleum Regulations(2), namely; 03-106 & 96-105
(licence, permit, or lease #)
hereby applies for approval to conduct a drilling program using the drilling rig Duralite 800
and equipment and procedures described in the detailed program dated . [13-Jun-2011]
The undersigned operator's Representative hereby declares that, to the best of the operator's knowledge, the
information contained herein and in the attached detailed program is true, accurate and complete.
Signed:   Helly   Date:   6-Jun-2011
Operator's Representative
APPROVAL
Pursuant to sections 8 and 9 of the Petroleum and Natural Gas Act, the operator named in the Application is hereby
authorized to conduct the proposed drilling program subject to the following conditions:
1. This Drilling Program Approval shall, unless otherwise extended or terminated, expire upon the 31 day of August, 20 12
2. This Authorization shall be prominently displayed at the well site at all times during which operations are being conducted;
<ol> <li>Evidence of financial responsibility, as required pursuant to Section 14 of the Petroleum Drilling Regulations (3), shall be provided by the operator to the Minister of Natural Resources;</li> </ol>
shall be provided by the operator to the withister of Natural Resources,
4. The operator shall use the equipment and procedures described in the detailed program dated 2011-06-13
unless a change in the equipment or procedures is approved in writing by the Director; and
5. The operator shall comply with such other conditions as are appended to this Approval.
3. The operator shall compry with such other conditions as are appended to this Approval.
Signed: Effective Date: 2011-08-19
Drilling Program Approved No. 2011-116-01
Accordance (CC-C) and the second of the seco
(1) - (R.S.N.L. 1990, c. P-10)
(2) - CNR 1151/96
And the second s
(3) - CNR 1150/96

#### SCHEDULE "A"

#### TO

# DRILLING PROGRAM APPROVAL #2011-116-01 OTHER CONDITIONS

- 1. Notwithstanding condition # 4 of the Approval (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations* (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- Pursuant to Section 154 of the Regulations, the director shall release to the public, general information including the name, classification, location, identity of the drilling contractor and rig used by the Operator, depth and operational status of the drilling program.
- 3. It is a condition of approval of this DPA that the Operator, pursuant to Section 52(2)(a) of the *Petroleum Regulations*, (CNR1151/96) provide to the director on a weekly basis a benefits monitoring report as well as a cost summary report showing AFE costs, costs to date and variances for all major cost categories.
- 4. The core acquired under this DPA may be requested under Section 149 of the Petroleum Drilling Regulations but shall otherwise be submitted to the Director upon expiration of the relevant Exploration Permit 03-106 or 96-105.
- 5. Crew certificates are to be supplied upon confirmation of rig contracts. The Operator shall also ensure that the crew is familiar with diverting procedures and related equipment.
- 6. The Operator shall, prior to commencement of drilling operations, supply to the Department a security deposit for the amount of \$18,000 to ensure abandonment, reclamation, and reporting requirements are met. The security deposit secures the Operator's commitments to comply with the *Petroleum and Natural Gas Act*, the regulations under this Act and the terms and conditions of the Vulcan Minerals Test Holes #4, #5, #6, #7 and #8 Authority to Drill a Well and Drilling Program Approval.
- 7. The Minister may use the security deposit to compensate the Province for any losses, costs, demands or other charges that the Province incurs as a result of the Operator's non-compliance with the *Petroleum and Natural gas Act*, the regulations under this Act and the terms and conditions of this approval.
- 8. The submission of the security deposit and any usage of that deposit by the Minister shall not limit or restrict the liability of the Operator for its actions or the actions of its agents, contractors, employees and other acting under the Operator's authority, or limit or restrict the Operator's obligation to indemnify the Province pursuant to the Newfoundland and Labrador Petroleum Regulations.

- 9. The security deposit or any unexpended balance shall be refunded without interest to the applicant
- 10. If, during this drilling program, all or part of the security deposit is expended by the Minister, the Operator shall, on request by the Director, provide further security so that the security deposit is replenished to its original amount.
- 11. The detailed program referenced in Approval condition #4 attached consists of the following documents supplied by the Operator:

Title	Date Issued	Date Revised
2011 Flat Bay Test Hole Drilling Program Information	13 June 2011	16 June 2011
Emergency Response Plan	18 June 2010	30 May 2011

August 19th, 2011



Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### **AUTHORITY TO DRILL A WELL - APPLICATION**

					and in comp	liance with section 29 of the
			5) Vulcan Minerals			, as operator,
			to be known as Flan		20	11
			ed in the well progra	Exploration Permit #03-		11
	nce or Lease to wh			Exploration Fernit #03-		EDINATES
Area: Weste	rn Newfoundland,	, Bay St. Geo	rge Basın			UTM (N A D 27)
Field/Pool: Flat Bay			Long:		Northing: 5 359 930 m	
Drilling Rig	Duralite 800			Lat:		Easting: 383 525 m
Rig Type: D	uralite Diamond I	Drill		ELEVATIO	ON	DEPTH
Drilling Contractor: Logan Drilling Ltd.			FRT F KB F I	RF m	T.D ; 150 m	
				G.L.: +47 m rel. MSI		TVD: 150 m
	ES'	TIMATES			TARGET	HORIZONS
Spud Date: 1	5-Jul-2011	Well	Cost:\$100k			
				Fischell's Brook Cong	lomerate	
Days on Loc	cation: 3 days					
			EVALU	ATION PROGRAM		
Ten-metre sa	ample intervals: n/	'a		Conventional cores at	continuous	s wireline core drilling
Five-metre sample intervals:n/a						
Canned sam	ple intervals: n/	'a		Logs and Tests: n/a		
			CASING AND	CEMENTING PROGRA	M	
O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m)		Cementing	Program
88.9	12.8	4130CrMo	40	1821 kg/m Class 'A' to sur	face (30% e)	ccess)
		0000000				
Other Equi	pment:					
The undersig	gned operator's Re	presentative l	ereby declares that,	to the best of the Represent	ative's know	ledge, the information contrained
herein and in	the attached detail	iled program	is true, accurate and	complete.		
Signed:	1 XMA	. Ill			Date:	13-Jun-2011
	Operator's	Representati	ve	THORIZATION		
Wharass tha	Minister of Natur	al Recources		the Petroleum Drilling Re	oulations (*	the Regulations")
						undertake the proposed well
	cribed above subje			anied in the Application is a	umornzeu to	undertake the proposed hen
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	s to be drilled;	mai ali Colidi	none or the Dinning	Topian Approvat IV.	2011-116-	DI SANGE STATE
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				ppended to this Authorizati		v. and viralian and, and
- 2	Simil Compty	To Such Dan	c. conditions us all a			-08-19
Signed:	who			Effective Date:	201	
Authority to	Drill a Well No.	2011-116	-01-01			Revised: March, 2008 FRM-63

#### SCHEDULE "A" TO

### AUTHORITY TO DRILL A WELL #2011-116-01-01

#### OTHER CONDITIONS

- 1. The Operator shall, prior to commencement of major site operations, ensure that an approved Operator's representative is on site to supervise all site operations.
- 2. Notwithstanding condition #3 of the Authorization (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations*, (CNR 1150/96) (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- The Operator shall ensure that the test hole is drilled in a prudent and reasonable manner, consistent with good oilfield practices and with due consideration for the safety of personnel, property and the environment.
- 4. The Operator shall be liable for its actions and the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole.
- 5. The Operator's liability for the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole does not limit any liability that those agents, contractors, employees or others acting under the Operator's authority may have to the Operator.
- 6. The Operator shall ensure that all necessary approvals have been acquired from other government agencies and other rights holders, in respect of access to and use of land for the purpose of the drilling operations, and disposal of all materials.
- 7. The Operator shall attorn to the jurisdiction of the courts of the Province of Newfoundland and Labrador.
- 8. As per section 142(b) of the Regulations, 24 hour notice shall be provided to the Director prior to spud-in.
- 9. Daily drilling and daily geological reports shall be submitted on a daily basis via email to petroleum development@gov.nl.ca.
- 10. A termination record signed by the operator's representative must be submitted within 21 days of the rig release date. Down-hole schematic and digital images showing the final condition of the site are to be included.
- 11. Prior to the end of drilling operations, the Operator shall provide a legal survey of the site acceptable to the Director to confirm the location of the test hole.



#### Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### **AUTHORITY TO DRILL A WELL - APPLICATION**

				Act (R.S.N.L. 1990, c. P-10) and in comp			
			5) Vulcan Minerals		, as operator,		
			to be known as Flat				
			ed in the well progra		11		
	nce or Lease to wh			Exploration Permit #96-105	RDINATES		
Area: Weste	rn Newfoundland,	, Bay St. Geo	rgc Basin	CO-01	UTM (N A D 27)		
Field/Pool: Flat Bay				l.ong:	Northing: 5 361 123 m		
Drilling Rig: Duralite 800				l.at:	Easting: 383 208 m		
Rig Type: D	uralite Diamond I	Drill		ELEVATION	DEPTH		
Drilling Con	tractor: Logan Dri	illing I td		□ RT □ KB □ RF □ n	T.D.: 150 m		
Drinning Con	u actor, Eogan 1911	ming 1.tu.		G.L.: +35 m rel. MSL	TVD: 150 m		
	EST	FIMATES		TARGET	T HORIZONS		
Spud Date: 1		Well	Cost:\$100k	Fischell's Brook Conglomerate			
Days on Loc	ation: 3 days		EVALU	ATION PROGRAM			
Ten-metre sa	ample intervals: n/	'a		Conventional cores at: continuou	s wireline core drilling		
Five-metre sample intervals:n/a							
Canned sam	ple intervals: n/	'a	THE RESERVE AND PARTY AND PARTY.	Logs and Tests: n/a			
			CASING AND	CEMENTING PROGRAM			
O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m)	Cementin	Cementing Program		
88.9	12.8	4130CrMo	40	1821 kg/m Class 'A' to surface (30% e	xcess)		
			CONTRACTOR OF THE CONTRACTOR O				
			(SEASTERNE)				
Other Equi	pment:						
The undersig	ned operator's Rep	oresentative l	ereby declares that,	to the best of the Representative's know	vledge, the information contrained		
herein and in	the attached detail	led program	is true, accurate and	complete.			
Signed:	HAI	1111		Date:	13-Jun-2011		
	Operator's I	WW	ve				
	1.0		AU	THORIZATION			
				the Petroleum Drilling Regulations, (			
			and Toris	amed in the Application is authorized to	undertake the proposed well		
	cribed above subje						
				sita at all times during which operation			
<ol><li>Copies of</li></ol>	all logs and well t	est data shall	be submitted to the	director by the operator promptly after			
Sec. 10.000.000.000.000.00		vith all condi	tions of the Drilling I	Program Approval No. 2011-116	under which the		
	to be drilled;						
				e unless it is first approved by the direct			
	BANKA MARANA			g drilling within 120 days of the effective	ve Authorization date; and		
o. The opera	tor shan comply v	vith such other	er conditions as are a	ppended to this Authorization.	0.10		
Signed:	W-00"	E		Effective Date: 2011	-08-19		
Authority to	Drill a Well No.	2011-116-	01-02		Revised: March, 2008 FRM-63		

#### SCHEDULE "A" TO

#### AUTHORITY TO DRILL A WELL #2011-116-01-02

#### OTHER CONDITIONS

- 1. The Operator shall, prior to commencement of major site operations, ensure that an approved Operator's representative is on site to supervise all site operations.
- 2. Notwithstanding condition #3 of the Authorization (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations*, (CNR 1150/96) (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- 3. The Operator shall ensure that the test hole is drilled in a prudent and reasonable manner, consistent with good oilfield practices and with due consideration for the safety of personnel, property and the environment.
- 4. The Operator shall be liable for its actions and the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole.
- 5. The Operator's liability for the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole does not limit any liability that those agents, contractors, employees or others acting under the Operator's authority may have to the Operator.
- 6. The Operator shall ensure that all necessary approvals have been acquired from other government agencies and other rights holders, in respect of access to and use of land for the purpose of the drilling operations, and disposal of all materials.
- 7. The Operator shall attorn to the jurisdiction of the courts of the Province of Newfoundland and Labrador.
- 8. As per section 142(b) of the Regulations, 24 hour notice shall be provided to the Director prior to spud-in.
- 9. Daily drilling and daily geological reports shall be submitted on a daily basis via email to petroleum development@gov.nl.ca.
- 10. A termination record signed by the operator's representative must be submitted within 21 days of the rig release date. Down-hole schematic and digital images showing the final condition of the site are to be included.
- 11. Prior to the end of drilling operations, the Operator shall provide a legal survey of the site acceptable to the Director to confirm the location of the test hole.



Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### **AUTHORITY TO DRILL A WELL - APPLICATION**

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			Vulcan Minerals			, as operator,
			to be known as Flat ed in the well progra			11
					Exploration Permit #03-106	
	m Newfoundland					RDINATES
Area, Weste	in Newroundland,	, nay st. Geo	ige Dasin		•	UTM (N A D 27)
Field/Pool: I	Flat Bay				Long:	Northing: 5 358 513 m
Drilling Rig	Duralite 800	CONSTRAINMENTANTANTANTANTAN		17000000	Lat:	Easting: 384 606 m
Rig Type: D	uralite Diamond I	Orill			ELEVATION	DEPTH
					RT KB RF	T.D.: 150 m
Drilling Con	tractor, Logan Dri	illing Ltd.			G.L.: +87 m rel. MSL	TVD: 150 m
	EST	TIMATES			TARGET	HORIZONS
Spud Date: 1	5-Jul-2011	Well	Cost:\$100k	-		The state of the s
			<del></del>		Fischell's Brook Conglomerate	
Days on Loc	eation: 3 days		W-87. Y T	4.70	ION PROCED M	
_			EVALU	AI	ION PROGRAM	
Ten-metre sa	ample intervals: n/	a			Conventional cores at: continuous	s wireline core drilling
Five-metre s	ample intervals:n/	/a			Logs and Tests: n/a	
Canned sam	ple intervals: n/	'a				
			CASING AND	CE	MENTING PROGRAM	
O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m)		Cementing	Program
88.9	12.8	4130CrMo_	40	18	21 kg/m Class 'A' to surface (30% e)	(cess)
				L		
Other Equi	pment:					
The undersig	ned operator's Rep	presentative h	ereby declares that,	to t	he best of the Representative's know	ledge, the information contrained
herein and in	the attached detail	iled program	is true, accurate and	com	plete.	
Signed:	Al Jul	1			Date:	3-Jun-2011
7	Operator's l	Representati	ve AT	тне	ORIZATION	
Whereas the	Minister of Natur	al Resources			e Petroleum Drilling Regulations, ("	the Regulations").
					d in the Application is authorized to	
program des	cribed above subje	ect to the follo	wing conditions:			
1. This Auth	norization shall be	prominently	displayed at the well	sita	at all times during which operations	s are being conducted;
2. Copies of	all logs and well	test data shall	be submitted to the	dire	ctor by the operator promptly after t	heir aquistition;
3. The opera	ator shall comply v	with all condi	tions of the Drilling 1	Ргод	gram Approval No. 2011-116	under which the
	s to be drilled;					
					less it is first approved by the direct	
					illing within 120 days of the effective	e Authorization date; and
6. The opera	itor shall comply v	with such other	er conditions as are a	ppe	nded to this Authorization.	
Signed:	Wast	-			Effective Date: 2011	-08-19
Authority to	Drill a Well No.	2011-116-	01-03			Revised: March, 2008 FRM-63

#### SCHEDULE "A" TO

#### AUTHORITY TO DRILL A WELL #2011-116-01-03

#### OTHER CONDITIONS

- 1. The Operator shall, prior to commencement of major site operations, ensure that an approved Operator's representative is on site to supervise all site operations.
- 2. Notwithstanding condition #3 of the Authorization (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations*, (CNR 1150/96) (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- The Operator shall ensure that the test hole is drilled in a prudent and reasonable manner, consistent with good oilfield practices and with due consideration for the safety of personnel, property and the environment.
- 4. The Operator shall be liable for its actions and the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole.
- 5. The Operator's liability for the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole does not limit any liability that those agents, contractors, employees or others acting under the Operator's authority may have to the Operator.
- 6. The Operator shall ensure that all necessary approvals have been acquired from other government agencies and other rights holders, in respect of access to and use of land for the purpose of the drilling operations, and disposal of all materials.
- 7. The Operator shall attorn to the jurisdiction of the courts of the Province of Newfoundland and Labrador.
- 8. As per section 142(b) of the Regulations, 24 hour notice shall be provided to the Director prior to spud-in.
- 9. Daily drilling and daily geological reports shall be submitted on a daily basis via email to petroleum development@gov.nl.ca.
- 10. A termination record signed by the operator's representative must be submitted within 21 days of the rig release date. Down-hole schematic and digital images showing the final condition of the site are to be included.
- 11. Prior to the end of drilling operations, the Operator shall provide a legal survey of the site acceptable to the Director to confirm the location of the test hole.



Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### **AUTHORITY TO DRILL A WELL - APPLICATION**

				ct (R.S.N.L. 1990, c. P-10) and in com	The second secon
			Vulcan Minerals		, as operator,
			to be known as Flat		A 11
	1/A - 4857 - 48		ed in the well program	Exploration Permit #03-106	0 11
Γ	nce or Lease to wh				PRDINATES
Area: Weste	ern Newfoundland,	Bay St. Geo	rge Basin		UTM (N A D 27)
Field/Pool:	Flat Bay		w rituologi — mai ta	Long:	Northing: 5 357 644 m
Drilling Rig	: Duralite 800			Lat;	Easting: 384 746 m
Rig Type: I	Ouralite Diamond I	Orill		ELEVATION	DEPTH
				□ RT □ KB □ RF	T.D.: 150 m
Drilling Cor	tractor: Logan Dri	lling Ltd.		G.L.: +107 m rel. MSL	TVD: 150 m
	EST	TIMATES		TARGE	T HORIZONS
Spud Date:	15-Jul-2011	Well	Cost: \$100k		
				Fischell's Brook Conglomerate	
Days on Lo	cation: 3 days				
			EVALU	ATION PROGRAM	
Ten-metre s	ample intervals; n/	a		Conventional cores at: continuo	us wireline core drilling
Five-metre	sample intervals;n/	'a		177	
Canned sam	ple intervals: n/	a		Logs and Tests: n/a	
			CASING AND	CEMENTING PROGRAM	
O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m)	Cementin	ng Program
88.9	12.8	4130CrMo	40	1821 kg/m Class 'A' to surface (30%	excess)
					64 - 1940 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 -
100000000000000000000000000000000000000	gned operator's Rep		ereby declares that,	to the best of the Representative's kno	wledge, the information contrained
Signed:	dino	41		Date:	13-Jun-2011
7	Goperator's l	Representati	ve	THORIZATION	
Whereas the	Minister of Natur	al Resources		the Petroleum Drilling Regulations,	("the Regulations").
				med in the Application is authorized t	
	cribed above subje	7.00 2000 80000	2006.0		38
			250	sita at all times during which operatio	ns are being conducted;
				lirector by the operator promptly after	
3. The open		vith all condi	tions of the Drilling F	Program Approval No. 201-11	6-01 under which the
above well i	ator shall comply v				
	s to be drilled;				
	s to be drilled; ge in the well progr			unless it is first approved by the direct	
5. This Aut	s to be drilled; ge in the well progr horization is condi-	tional on the	operator commencing	drilling within 120 days of the effect	
5. This Auti 6. The open	s to be drilled; ge in the well progr horization is condi-	tional on the	operator commencing	drilling within 120 days of the effect opended to this Authorization.	ive Authorization date; and
5. This Auti 6. The open	s to be drilled; ge in the well progr horization is condi-	tional on the	operator commencing or conditions as are a	drilling within 120 days of the effect	ive Authorization date; and

#### SCHEDULE "A" TO

#### AUTHORITY TO DRILL A WELL #2011-116-01-04

#### OTHER CONDITIONS

- 1. The Operator shall, prior to commencement of major site operations, ensure that an approved Operator's representative is on site to supervise all site operations.
- 2. Notwithstanding condition #3 of the Authorization (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations*, (CNR 1150/96) (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- 3. The Operator shall ensure that the test hole is drilled in a prudent and reasonable manner, consistent with good oilfield practices and with due consideration for the safety of personnel, property and the environment.
- 4. The Operator shall be liable for its actions and the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole.
- 5. The Operator's liability for the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole does not limit any liability that those agents, contractors, employees or others acting under the Operator's authority may have to the Operator.
- 6. The Operator shall ensure that all necessary approvals have been acquired from other government agencies and other rights holders, in respect of access to and use of land for the purpose of the drilling operations, and disposal of all materials.
- 7. The Operator shall attorn to the jurisdiction of the courts of the Province of Newfoundland and Labrador.
- 8. As per section 142(b) of the Regulations, 24 hour notice shall be provided to the Director prior to spud-in.
- 9. Daily drilling and daily geological reports shall be submitted on a daily basis via email to petroleum development@gov.nl.ca.
- 10. A termination record signed by the operator's representative must be submitted within 21 days of the rig release date. Down-hole schematic and digital images showing the final condition of the site are to be included.
- 11. Prior to the end of drilling operations, the Operator shall provide a legal survey of the site acceptable to the Director to confirm the location of the test hole.



Government of Newfoundland and Labrador Department of Natural Resources Energy Branch

#### **AUTHORITY TO DRILL A WELL - APPLICATION**

Pursuant to s	rections o and 7 or	*****							
			5) Vulcan Minerals	The state of the s	, as operator,				
hereby appli	es for Authority to	Drill a Well	to be known as Flat	Bay Test Hole #8					
			ed in the well progra		20 11				
Permit, Lice	nce or Lease to wh	ich this Prog	ram applies:	Exploration Permit #96-105	O DOLL THE C				
Area: Weste	ern Newfoundland,	Bay St. Geo	rge Basin	(0-1	ORDINATES 1770 A D 277				
Field/Pool:	Flat Bay			Long:	Northing: 5 360 651 m				
Drilling Rig	Duralite 800			Lat:	Easting: 385 323 m				
Rig Type: D	Ouralite Diamond I	Drill		ELEVATION	DEPTH				
Drilling Cor	ntractor: Logan Dri	lling Ltd		□ RT □ KB □ RF	]m T.D.: 150 m				
Drining Co.	mactor, r.ogan tri	ning Ltd.		G.L.: +28 m rel, MSL	TVD: 150 m				
	EST	TIMATES		TARG	ET HORIZONS				
Spud Date: 1	15-Jul-2011 cation: 3 days	Well	Cost:\$100k	Fischell's Brook Conglomerate					
			EVALU	ATION PROGRAM					
Ten-metre sa	ample intervals: n/	а		Conventional cores at: continue	ous wireline core drilling				
Five-metre s	sample intervals:n/	'a							
Canned sam	ple intervals: n/	a		Logs and Tests: n/a					
	5	THE STATE OF THE S	CASING AND	CEMENTING PROGRAM					
0 D ()	Weight (kg/m)	Grade	Setting Depth (m)	Cement	Cementing Program				
O.D. (mm)	c.b (i.b)	THE CONTRACTOR OF THE CONTRACT							
88.9	12.8	4130CrMo_	40	1821 kg/m Class 'A' to surface (30%					
		4130CrMo							
		4130CrMo							
		4130CrMo							
	12.8	4130CrMo							
88.9  Other Equi	12.8		[40		excess)				
Other Equi	pment:	presentative h	[40	1821 kg/m Class 'A' to surface (30%)	excess)				
Other Equi	pment:	presentative h	40 ereby declares that,	1821 kg/m Class 'A' to surface (30%)	excess)				
Other Equi	pment:	presentative h	40 ereby declares that,	1821 kg/m Class 'A' to surface (30%)  to the best of the Representative's knownplete.	excess)  owledge, the information contrained				
Other Equi The undersig herein and in Signed:	pment:  ned operator's Repair the attached Jetai	presentative h	ereby declares that, is true, accurate and declares that accurate	1821 kg/m Class 'A' to surface (30%)  to the best of the Representative's known plete.  Date:	owledge, the information contrained  13-Jun-2011				
Other Equipment of the undersigned of the undersigned:	pment: gned operator's Regard the attached Jetai  Operator's I	presentative h	ereby declares that, is true, accurate and ove	to the best of the Representative's knownplete.  Date:  THORIZATION  the Petroleum Drilling Regulations,	owledge, the information contrained  13-Jun-2011  ("the Regulations").				
Other Equi The undersig herein and in Signed: Whereas the In accordance	pment: gned operator's Repair the attached detail Operator's I Minister of Natura	oresentative held program al Resources la fithe Regular	lereby declares that, is true, accurate and of the special structure.  AUT has jurisdiction under the special structure.	1821 kg/m Class 'A' to surface (30%)  to the best of the Representative's known plete.  Date:	owledge, the information contrained  13-Jun-2011  ("the Regulations").				
Other Equi The undersig herein and in Signed: Whereas the In accordance program description	pment: gned operator's Report the attached Jetai  Minister of Natura we with section 32 of	oresentative held program al Resources of the Regular ct to the follow	tereby declares that, is true, accurate and of the special strue accurate and of the special structure. AUT has jurisdiction under the special structure accurate and of the special structure.	to the best of the Representative's knownplete.  Date:  THORIZATION  In the Petroleum Drilling Regulations, med in the Application is authorized	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well				
Other Equipment of the undersigned of the undersigned:  Whereas the In accordance program deserved in this Authority of the undersigned of the und	pment:  gned operator's Report the attached Jetain  Operator's I  Minister of Natura we with section 32 of cribed above subjection shall be	Representative hallow program all Resources of the Regular cet to the follow prominently of the second prominently of the	are by declares that, is true, accurate and of the spurisdiction under tions, the operator narrowing conditions: displayed at the well	to the best of the Representative's knownplete.  Date:  THORIZATION or the Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operation.	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted;				
Other Equipment of the undersigned: Whereas the In accordance program designed: 1. This Auth 2. Copies of	pment: gned operator's Repair the attached Jetai  Minister of Natura we with section 32 occibed above subjection shall be 'all logs and well to	Representative hallow program all Resources of the Regular cet to the follow prominently cest data shall	has jurisdiction undertions, the operator nations, the operator nations of the submitted to the company of the submitted to the submitted to the company of the submitted to the submitted to the submitted to the submitted t	to the best of the Representative's known place.  Date:  THORIZATION  The Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operation in the petroleum by the operator promptly after the petroleum by the petrol	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; or their aquistition;				
Other Equipment of the undersigned:  Whereas the In accordance program deservation of the undersigned:  1. This Auth 2. Copies of 3. The operation of the undersigned	pment:  gned operator's Repair the attrached detail  Minister of Natura we with section 32 occibed above subjection shall be a fall logs and well to attor shall comply well as the complex of the comple	Representative hallow program all Resources of the Regular et to the follow prominently dest data shall	has jurisdiction undertions, the operator nations, the operator nations of the submitted to the company of the submitted to the submitted to the company of the submitted to the submitted to the submitted to the submitted t	to the best of the Representative's knownplete.  Date:  THORIZATION or the Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operation.	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; or their aquistition;				
Other Equi The undersig herein and in Signed: Whereas the In accordance program dese 1. This Auth 2. Copies of 3. The opera	pment: gned operator's Repair the attached Jetain Minister of Natura we with section 32 of cribed above subjective above subjective and well to attach the section of the s	presentative held program al Resources of the Regular cet to the follow prominently cest data shall with all conditions and the state of the state o	has jurisdiction under tions, the operator nations, the operator sidisplayed at the well be submitted to the citions of the Drilling I	to the best of the Representative's known place.  Date:  THORIZATION  The Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operation in the petroleum by the operator promptly after the petroleum by the petrol	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; r their aquistition;				
Other Equipment of the undersigned:  Whereas the In accordance program deserving and the Land of the Copies of Section 1. This Authorized the Land of the Copies of Section 1. The operation 1. The opera	pment:  gned operator's Report the attached Jetain  Minister of Natura we with section 32 of cribed above subject to receive and well to attach the difference of the section of the secti	Representative heled program al Resources of the Regular cet to the followers data shall with all conditional hereby apart and hereby apart of the results o	are by declares that, is true, accurate and of the principle of the submitted to the country of the Drilling Is approved may be made	to the best of the Representative's known plete.  Date:  THORIZATION  In the Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operation is a situated by the operator promptly after Program Approval No.	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; or their aquistition;  6-0(  under which the				
Other Equipment of the undersigned:  Whereas the In accordance program deservable. This Author 2. Copies of 3. The operation above well is 4. No chang 5. This Author 5. This Author 5. This Author 5. This Author 6.	pment: gned operator's Repair the attached detail Minister of Natura we with section 32 of cribed above subjection shall be fall logs and well to attach shall comply we sto be drilled; we in the well programorization is conditional conditional completes.	Representative half Resources of the Regular cet to the follor prominently cest data shall with all conditions am hereby appointed to the follor prominent of the results of the results are t	has jurisdiction undertions, the operator nations of the Drilling Isoproved may be made operator commencing	to the best of the Representative's knownplete.  Date:  THORIZATION  In the Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operated director by the operator promptly after Program Approval No.  Zoll- (I	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; or their aquistition;  6-0(  under which the				
Other Equipment of the undersigned:  Whereas the In accordance program destell. This Authorized the United States of the United States	pment: gned operator's Repair the attached detail Minister of Natura we with section 32 of cribed above subjection shall be fall logs and well to attach shall comply we sto be drilled; we in the well programorization is conditional conditional completes.	Representative half Resources of the Regular cet to the follor prominently cest data shall with all conditions am hereby appointed to the follor prominent of the results of the results are t	has jurisdiction undertions, the operator nations of the Drilling Isoproved may be made operator commencing	to the best of the Representative's known plete.  Date:  THORIZATION  If the Petroleum Drilling Regulations, med in the Application is authorized sita at all times during which operated director by the operator promptly after program Approval No.  Total - It is a controlled to the director of the controlled sita at all times during which operated director by the operator promptly after program Approval No.  Total - It is a controlled to the director of the controlled sita at all times during which operated director by the operator promptly after program Approval No.  Total - It is a controlled to the controlled sital at all times during which operator promptly after program Approval No.	owledge, the information contrained  13-Jun-2011  ("the Regulations"). to undertake the proposed well ons are being conducted; or their aquistition;  (b-o)  under which the ector in writing; tive Authorization date; and				

#### SCHEDULE "A" TO

#### AUTHORITY TO DRILL A WELL #2011-116-01-05

#### OTHER CONDITIONS

- 1. The Operator shall, prior to commencement of major site operations, ensure that an approved Operator's representative is on site to supervise all site operations.
- 2. Notwithstanding condition #3 of the Authorization (see previous page), the Operator shall comply with the requirements of the *Petroleum Drilling Regulations*, (CNR 1150/96) (the Regulations) unless the Operator has received written approval from the Director to deviate from the Regulations.
- The Operator shall ensure that the test hole is drilled in a prudent and reasonable manner, consistent with good oilfield practices and with due consideration for the safety of personnel, property and the environment.
- 4. The Operator shall be liable for its actions and the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole.
- 5. The Operator's liability for the actions of its agents, contractors, employees and any others acting under the Operator's authority in drilling the test hole does not limit any liability that those agents, contractors, employees or others acting under the Operator's authority may have to the Operator.
- 6. The Operator shall ensure that all necessary approvals have been acquired from other government agencies and other rights holders, in respect of access to and use of land for the purpose of the drilling operations, and disposal of all materials.
- 7. The Operator shall attorn to the jurisdiction of the courts of the Province of Newfoundland and Labrador.
- 8. As per section 142(b) of the Regulations, 24 hour notice shall be provided to the Director prior to spud-in.
- 9. Daily drilling and daily geological reports shall be submitted on a daily basis via email to petroleum development@gov.nl.ca.
- 10. A termination record signed by the operator's representative must be submitted within 21 days of the rig release date. Down-hole schematic and digital images showing the final condition of the site are to be included.
- 11. Prior to the end of drilling operations, the Operator shall provide a legal survey of the site acceptable to the Director to confirm the location of the test hole.

Appendix II Daily Reports

- 3.54	ii wiiieiai	<u> </u>						DAI		
Flat Bay	Test Hole # Cl	H7				REPORT #:	1	DATE:	Septem	ber 20, 2011
DEPTH 24:00:	0m		PROGRESS	3.		Last 24 Hr Rot			Ave ROP:	
	OIII		TROOKESC	J.					MOBILE NO.: 78	0.007.0775
OPER 09:00:						FOREMAN: H.H	YNES	.1. 1		30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		cloudy	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		8°C	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	MANCE				DPILLIN	G FLUID		PUMPS	
Dia No	DIT I LIKE OF	WIAITOL			1.00 °	1	IG I LOID	- N	r Olvir 3	
Bit No.					1.00	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		II		kPa
, ,						II		Pump Press.		
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition			1			Sand (%)				
Pulled For?			1			Solids (%)		MU	JD & CHEMI	CALS
Meters			1			Oil (%)		Mud Cycle		min
m/hr			1			Pf/Mf		Bottoms Up		min
Cum Hrs			1			MBT		Tanks		m3
Culli i lis						II		Hole Volume		
						CI (ppm)				m3
	OLE ASSEMBLY		1	Т-	_	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	<u> </u>				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	1	Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	Ivida op e				
Avaii WOB.		JIS DF Nacks		DC Colli.			3	-1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
B B 11 · · · · · ·			DOWA!			1		Mud Daily Cost		
IDRILLING (	OPERATIONS TI	ME BREAKI	DOWN			ivvater added				
	OPERATIONS TI	1	DOWN	Move Rig		Water added				
RU/TO	OPERATIONS TI	Survey	DOWN	Move Rig		Losses	ITPOL	Mud Cum Cost	NTPOL	
RU / TO Drill w/ fluid	OPERATIONS TI	Survey Logging	DOWN	Fishing		Losses WELL CON		Mud Cum Cost SOLIDS CO	NTROL	NI/A
RU / TO Drill w/ fluid Drill w/ air	OPERATIONS TI	Survey Logging Run Casing	DOWN	Fishing WO Materials		Losses WELL CON	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A
RU / TO Drill w/ fluid	OPERATIONS TI	Survey Logging	DOWN	Fishing		Losses WELL CON	N/A	Mud Cum Cost SOLIDS CO	NTROL	N/A N/A
RU / TO Drill w/ fluid Drill w/ air	OPERATIONS TI	Survey Logging Run Casing	DOWN	Fishing WO Materials		Losses WELL CON		Mud Cum Cost  SOLIDS CO  Shaker Make	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS TI	Survey Logging Run Casing Cementing	DOWN	Fishing WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	Mud Cum Cost  SOLIDS CO  Shaker Make		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa)	N/A	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	er 20/2011	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	er 20/2011	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
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RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
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RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR 1 To 1900	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR 1 To 1900	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
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Vuica	ii iviiiiei ai	3						DAI	LIDRILL	ING REPORT
Flat Bay	Test Hole # C	H7				REPORT #:	2	DATE:	Septem	ber 21, 2011
DEPTH 24:00:	0m		PROGRESS			Last 24 Hr Rot		57112.	Ave ROP:	
	OIII		FROGRESS	<b>.</b>					MOBILE NO.: 78	00.007.0775
OPER 09:00:			1			FOREMAN: H.H	YNES	.1. 1		80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		cloudy	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	DMANCE				DDILLIN	G FLUID	1	PUMPS	
Dia Ni-	DIT FERTO	WANCE			1.00 °		G I LOID	- N	r OWIT 3	
Bit No.					1.00	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH				m/min
						II.		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Cummo						CI (ppm)		Hole Volume		m3
DOTTONI	OLE AGGENTS!			<u> </u>		<b>≒</b> l				
	OLE ASSEMBLY		T	1		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	1	Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
AVAII WOD.		Olo Di Traono		DO COMIN.		_	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M			
DRILLING	OPERATIONS TI	ME BREAKI	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROI	SOLIDS CO	NTROI	
				WO Materials		RSPP	N/A	Shaker Make	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	N/A
Drill w/ air		Run Casing					IN/A	II		_
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh	_	N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
				Total Ura				Boiler Hrs:		
Fishing		Hndle Tools	1	Total Hrs	<u> </u>	Act Hole Fill		יסווכו דווס.		(to 24:00)
	SUMMARY FOR 1			septembe	er 21/2011	(0000 hrs -				
From	То	Duration				E	vent			
0700	1300	6.00	demobilize	rest of gear to	site,					
1300	1500	2.00		shack and fuel						
1500	1900	4.00		the first drill h						
1900			j 5 2 p 5.		-					
1000										
24 HOUR F	Forcast :									
24 HOUR F	Forcast :									
24 HOUR F	orcast :									

Vuica	ii wiiieiai	<u> </u>								
Flat Bav	Test Hole # Cl	<del>1</del> 7				REPORT #:	3	DATE:	Septem	ber 22, 2011
DEPTH 24:00:	0m		PROGRESS	<u>.</u>		Last 24 Hr Rot			Ave ROP:	,,
OPER 09:00:	0111		TROOKEOC	<i>,</i>		FOREMAN: H.H			MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TNES	clear	TOOLPUSH:	60-007-0775
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	MANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		II		m/sec
Condition						Sand (%)		Nozzle Vel		111/300
						1		BAI	JD & CHEM	ICALS
Pulled For?						Solids (%)			α CΠΕΙΝΙ	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
					XXX	VOLUMES	м <sup>3</sup>			
Jts DP in hole:	ODED A TIONS TI	DP on Loc:	DOWN	DC Conn:		VOLUMES	M <sup>3</sup>			
Jts DP in hole:	OPERATIONS TI	DP on Loc:	DOWN	DP Conn:	XXX	Water added	M <sup>3</sup>	Mud Daily Cost		
Jts DP in hole:  DRILLING  RU / TO	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey	DOWN		XXX	Water added Losses		Mud Cum Cost		
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging	DOWN	DP Conn:	XXX	Water added Losses WELL CON	TROL	Mud Cum Cost SOLIDS CO	NTROL	
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air	OPERATIONS TI	DP on Loc:  ME BREAK  Survey  Logging  Run Casing	DOWN	DP Conn:  Move Rig  WO Materials	XXX	Water added Losses WELL CON		Mud Cum Cost SOLIDS CO Shaker Make	NTROL	_N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid	OPERATIONS TII	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing	DOWN	DP Conn:	XXX	Water added Losses WELL CON	TROL N/A	Mud Cum Cost SOLIDS CO		N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air	OPERATIONS TI	DP on Loc:  ME BREAK  Survey  Logging  Run Casing	DOWN	DP Conn:  Move Rig  WO Materials	XXX	Water added Losses WELL CON	TROL	Mud Cum Cost SOLIDS CO Shaker Make	Desilter	N/A Centrifuge
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing	DOWN	DP Conn:  Move Rig  WO Materials WO Services	XXX	Water added Losses WELL CON RSPP ST/Min	TROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing  WOC	DOWN	Move Rig  WO Materials WO Services Safety Meeting	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa)	TROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter N/A N/A	N/A Centrifuge N/A N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's	DOWN	Move Rig  WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	TROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig  WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	TROL N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping  Lubricate Rig  Repair Rig	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig  WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	TROL N/A N/A	Mud Cum Cost  SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	TROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$	SUMMARY FOR T	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:		Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	TROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration		Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September	XXX XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Colo Hole Fill Colo Hole Fill	TROL N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:  Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500 1900	SUMMARY FOR T To 1500 1900	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500 1900	SUMMARY FOR T To 1500 1900	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700 1500	SUMMARY FOR T To 1500 1900	DP on Loc:  ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 8.00	set up drill	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  septembe buildings, ram	XXX XXX xr 22/2011 ps and get ri	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event II.	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

Vuica								1		
Flat Bay	Test Hole # Ch	<del>1</del> 7	1			REPORT #:	4	DATE:		ber 23, 2011
DEPTH 24:00:	0m		PROGRESS	: 19.0	0 m	Last 24 Hr Rot			Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	MANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV YP		Pump Eff.		
From (mKB) To (mKB)						rP Gels		Pump Rate		kPa
Hrs on Bit						geis pH		Pump Press. Drillpipe AV		m/min
WOB (daN)						ρπ WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)		NOZZIE VEI		111/360
Pulled For?						Solids (%)		МІ	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle	OIILIVII	min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
	ļ					CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY	<u> </u>	1	<u> </u>		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	ой (ррш)		Cystem voi.		mo
1		max oz			5.20 G ypo	1		2 PAILS DD120	10	
2						Mud Co.			-	
3						Mud Man				
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
.lts DP in hole:		DP on Loc:		DP Conn	XXX	VOLUMES	M <sup>3</sup>			
Jts DP in hole:	ODED ATIONS TIE	DP on Loc:	DOWN	DP Conn:	XXX	VOLUMES	M <sup>3</sup>	Mud Daily Coat		
DRILLING	OPERATIONS TI	ME BREAK	DOWN	1	XXX	Water added	M <sup>3</sup>	Mud Daily Cost		
DRILLING (	OPERATIONS TII	ME BREAKI Survey	DOWN	DP Conn:	xxx	Water added Losses		Mud Cum Cost	NTROI	
DRILLING (RU / TO	OPERATIONS TII	ME BREAKI Survey Logging	DOWN	Move Rig	xxx	Water added Losses WELL CON	ITROL	Mud Cum Cost SOLIDS CO	NTROL	N/A
DRILLING  RU / TO  Drill w/ fluid  Drill w/ air	OPERATIONS TII	ME BREAKI Survey Logging Run Casing	DOWN	Move Rig WO Materials	xxx	Water added Losses WELL CON RSPP		Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A N/A
DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming	OPERATIONS TII	ME BREAKI Survey Logging Run Casing Cementing	DOWN	Move Rig  WO Materials  WO Services	xxx	Water added Losses WELL CON RSPP ST/Min	ITROL N/A	Mud Cum Cost SOLIDS CO		N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TII	ME BREAKI Survey Logging Run Casing	DOWN	Move Rig WO Materials	xxx	Water added Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	NTROL  Desilter N/A	•
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TII	ME BREAKI Survey Logging Run Casing Cementing WOC	DOWN	Move Rig  WO Materials  WO Services  Safety Meeting	xxx	Water added Losses WELL CON RSPP ST/Min	ITROL N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter	N/A Centrifuge
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TII	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	xxx	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A	N/A Centrifuge N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TII	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	xxx	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig		ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	SUMMARY FOR T	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	DRILLED A	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  september	23-24/2011 1 TO 12M.PC	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 24400 hrs) Event	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	DRILLED A	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  september	23-24/2011 1 TO 12M.PC 2M TO 19M.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event NGE OUT	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0M  AHEAD FR-12	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Eishing 24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 1900	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 1900 0700	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N  AHEAD FR-12  DLE TO FISH 6	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING (RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Fishing Prom 0700 1900	SUMMARY FOR T To 1900 0700	WE BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration 12.00	DRILLED A DRILLED A RAN IN HO	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  September  AHEAD FR-0N AHEAD FR-12 DLE TO FISH 0	23-24/2011 1 TO 12M.PC 2M TO 19M. OUT CASING	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act HOLE FILL CONDON hrs - E OOH TO CHA	N/A N/A N/A N/A 2400 hrs) Event NGE OUT IT OF CASI	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs: SHOE BIT NG.TRIP OUT	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

vuica	n wiinera	15						DAI	LY DRILL	NG REPORT
Flat Bay	Test Hole # C	CH7				REPORT #:	4	DATE:	Sep	t 24,2011
DEPTH 24:00:	On	n	PROGRESS	s: 19M t	to 25M	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.F. WOBILE.	
TORWATION.			N.B. ELLV			NOADO.	1	Jugn		
	DIT DEDEC	DMANOE		1		DDII I III	10 EL LUD	1	DUMBO	
	BIT PERFO	RMANCE	ı	1	4.00.0		IG FLUID	1	PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	CALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBL	Υ				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type				1	
1					71			2 PAILS DD120	0	
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @			5	bags of portland
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1				g p
						VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
	OPERATIONS T		DOWN	1	1	Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR	THE DATE ·		Sent 2	4,2011	(0000 hrs -	2400 hrs)			
From	То	Duration		<u> </u>	,		Event			
0700	1300	6.00	continue re	eaming back to	19 M. reall	v bad overbur	den . aot ba	ack to 19M the	shoe bit wa	s woren out.
1300	1900	6.00		ole while waiti						
	1.230	2.30	pump while		J 2		, 11	22. 20.10	,	<del>-</del>
1900	2100	3.00		ait on shoe bit	to arrive on	location				
2100	0:00	9.00		ew bit, ream ca			from 19 M	to 25M, pull l	pack to 24M.	cement
0:00	3.00	3.00	casing.					, p siii i		
3.00			,							
			Held safet	y meeting with	crew and o	n site supervis	siors, discus	ssed traveling	to and from I	ocation.
			54101	, 3 3		2.1.2 Capor VIC	,			
24 HOUR F	orcast :									
	wait on cement	to hardon nin	nla un dave	rtor run in hal	a tag como	nt and drill ab	and .			
Johnnae 10	wan on cement	to natuen, mp	hie ah aeve	niei, iuli ili il0i	c, tay cerile	in and unii an	icau.			

Taioa	n willerai	<u> </u>							LI DINEL	NG REPORT
Flat Bay	Test Hole # Cl	H7				REPORT #:	5	DATE:	Sept	25,2011
DEPTH 24:00:	0m		PROGRESS	: 19M to	25M	Last 24 Hr Rot	tating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H	IYNES		MOBILE NO.: 78	0-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough		
						1,101,100		1		
	DIT DEDEOE	MANCE		1		DDILLIN	IG FLUID	1	PUMPS	
B	BIT PERFOR	RIVIANCE	1		4.00.0	11	IG FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				,
Pulled For?						Solids (%)		МІ	JD & CHEMI	CALS
Meters						Oil (%)		Mud Cycle	CITEIVII	min
m/hr						Off (%) Pf/Mf		1		min
						II		Bottoms Up		
Cum Hrs	I					MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY	1	I=	10		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	ize & Type					
1								2 PAILS DD120	0	
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @			5	bags of portland
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
	ODED ATIONS TO		2014/1	DF COIII.	XXX	-				
	OPERATIONS TI		DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
	VIIIII A DV FOD 7			_	- 0044	11	0.400	Bollot Tilo.		(10 24.00)
	SUMMARY FOR T			Sept 25	5,2011	(0000 hrs -				
<b>From</b> 0700	<b>To</b> 1900	Duration	104 14	ment to set up.	386 63 6		Event			
0700	1300	24	to drilling of logan drilling should have was set at	out. The cementing then realize to been 34m installed 24m, leaving 10 lell control, and lell control, and let the second	t job was su that the orig stead of 25n 0m of open	ccessful. Tag inal hole dep n. As a result hole in overb	gged cemen oth (25)m wat of using ind ourden. Due	t@9m and dril as incorrect the correct depth ( to this incorre	led cement of correct drill 25m) the Ca ct casing dep	down to 34m ing depth was sing oth we now
			Held a med	eting to discuss	the importa	nce of keepi	ng a pipe ta	lly.		
			Held a med	eting to discuss	the importa	ince or keepi	ng a pipe ta	illy.		
24 HOUR F										
	sing to surface. Sk	id rig 4m ba	ck from oria	inal site and sta	art over.					
	-	<b>J</b>	3							

vuica	n wiinerai	<u> </u>						DAI	LT DRILL	ING REPORT
Flat Bay	Test Hole # C	H7		·		REPORT #:	6	DATE:	Sep	t 26,2011
DEPTH 24:00:	0m		PROGRESS	s: 43.0	0 m	Last 24 Hr Rot	tating Time:		Ave ROP:	, -
OPER 09:00:				<u> </u>		FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		8°C	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.I . WODILL.	
T OTAWATTON.			N.D. LLL V			INO/IDO.		T T		
	DIT DEDEO	DMANCE		1		DDILLIN	IG FLUID	1	PUMPS	
D': N	BIT PERFOI	RIVIANCE		-	1.00 °		IG FLUID	<u> </u>	PUMPS	
Bit No.	NO				1.00	Time		Pump No.		
Size (mm)	NQ					Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis PV		SPM		
Nozzles						YP		Pump Eff.		
From (mKB)								Pump Rate		kDe.
To (mKB) Hrs on Bit						Gels pH		Pump Press.		kPa m/min
WOB (daN)						III		Drillpipe AV		
RPM						WL (cc's) Filter Cake		Drillcollar AV		m/min
Condition								Nozzle Vel		m/sec
Pulled For?						Sand (%) Solids (%)		BAI	JD & CHEM	ICALS
Meters						Oil (%)			O G CHEINI	min
m/hr						Oii (%) Pf/Mf		Mud Cycle Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Culli His	Į.					CI (ppm)		Hole Volume		m3
BOTTOMU	OLE ASSEMBLY	/				= 1				
No.	Item	Max OD	Min ID	Connection S	Sizo & Typo	Ca (ppm)		System Vol.		m3
1	item	IVIAX OD	טו וווווו	Connection 3	size & Type	-		E DACC COME	JT	
2						Mud Co.		5 BAGS CSMEN 3 PAIL DD 1200		
3						Mud Man		S FAIL DD 1200	•	
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	- Iwaa op @				
						VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
	OPERATIONS TI		OOWN	1		Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses	ITD 01	Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON		SOLIDS CO	NIKOL	NI/A
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min	NI/A	Shaker Mesh		N/A
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A	\/-!!! <b>!</b> (!/==:=)	Desilter N/A	Centrifuge N/A
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	N/A	Vol UF (I/min)	N/A	N/A N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	IN/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt DST				Lst BOP Drill:		O.F. (kg/m3) Hours/Days	N/A	N/A
Repair Rig						Calc Hole Fill		Boiler Hrs:	IN/A	l .
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		bollet HIS.		(to 24:00)
	UMMARY FOR			Sept 2	6 2011	(0000 hrs -				
From	To	Duration	OKID DIO	4	1 7 0 D		Event			
0700	1600	9		4m from ch7 to	) CH 7-2. DH	ii irom om to	12111			
1600 1900	1900 0700	3.00 1200	drill from 1	2m to 25m 5m to 43m all o	overburden					
1900	0700	1200	ann nom 2	om to 4om all (	overburd <del>e</del> []					
			Cemented	CH7 to surface	e prior to sk	idding ria.				
				eting prior to sl						
			-							
24 HOUR F	iorcast :									
	n sand & clay. Fro	om 20m to 40	m overhood	lon boulders D	rocontly del	ling chacet te	find hadra -	k hoforo =====	na occin~	
0 0-0311	r Janu & Gay. Fit	Jili 55ili to 40	overbulu	on boulders. F	roseriny un	iii ig ai icau iu	mia bealdt	w perore rurillii	ig casilig.	

Flat Ray	Test Hole #	CH7				REPORT #:	6	DATE:	Sen	t 27,2011
DEPTH 24:00:		)m	PROGRESS:	43.0	0 m	Last 24 Hr Rota		DATE.	Ave ROP:	127,2011
PER 09:00:		7111	FROGRESS.		0 111	FOREMAN: H.H			MOBILE NO.: 78	00 667 9775
AILY COST:			HOLE CND.:			WEATHER:	INLO	clear	TOOLPUSH:	0-001-0113
UM COST:			RIG / RIG #:			TEMP.:		8°C	T.P. MOBILE:	
ORMATION:			K.B. ELEV.:			ROADS:		ough	T.P. WOBILE.	
ORWATION.			N.B. ELLV			NOADO.		Jugii		
	DIT DEDE	ORMANCE	<del></del> -			DRILLIN	C EL LIID	1	PUMPS	
ile NI -	BII PERF	ORWANCE			1.00 °		G FLUID	- N	PUNIPS	
Sit No.	NQ				1.00	Time		Pump No.		
Size (mm)	NQ					Depth(m) Density		Make Model		
lfg. ype						Mud Grad		Liner X Stk		
ype erial #						Vis		SPM		
lozzles						PV		Pump Eff.		
rom (mKB)						YP		Pump Rate		
o (mKB)						Gels		Pump Press.		kPa
rs on Bit						рН		Drillpipe AV		m/min
/OB (daN)						WL (cc's)		Drillcollar AV		m/min
PM						Filter Cake		Nozzle Vel		m/sec
ondition						Sand (%)				
ulled For?								MU	JD & CHEM	CALS
leters						Oil (%)		Mud Cycle		min
n/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
	•					CI (ppm)		Hole Volume		m3
OTTOMH	OLE ASSEMB	LY				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID C	Connection S	Size & Type	1				
1										
2						Mud Co.				
3					T.	Mud Man				
HA Length:		Hook Load:	DF	P size	XXX	Mud Up @				
vail WOB:		Jts DP Racks	DC	C Conn:	XXX			4		
ts DP in hole:		DP on Loc:	DI	P Conn:	XXX	VOLUMES	$M^3$			
RILLING (	OPERATIONS	TIME BREAKI	DOWN			Water added		Mud Daily Cost		
U/TO		Survey		love Rig		Losses		Mud Cum Cost		
rill w/ fluid		Logging				WELL CON	TROL	SOLIDS CO	NTROL	
rill w/ air		Run Casing	w	/O Materials		RSPP	N/A	Shaker Make		N/A
eaming		Cementing	w	/O Services		ST/Min		Shaker Mesh		N/A
m Rathole		woc	Sa	afety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
ond / Circ		NU BOP's	Mi	lix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
ripping		Test BOPs	Ins	stall Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
ubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
epair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
		50.								
		Hndle Tools	To	otal Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
ishing	SUMMARY FOI	Hndle Tools			7 2011		2400 hrs)	Boiler Hrs:		ı
shing 4 HOUR S		Hndle Tools  R THE DATE:		Sept 2	7 2011	(0000 hrs - 2	2400 hrs)	Boiler Hrs:		ı
ishing	SUMMARY FOI To	Hndle Tools  R THE DATE :  Duration		Sept 2		(0000 hrs - 2		Boiler Hrs:		ı
4 HOUR S	То	Hndle Tools  R THE DATE:	DRILL FROM	Sept 2	Bm with nq r	(0000 hrs - 2 E		Boiler Hrs:		ı
ishing 4 HOUR S From	То	Hndle Tools  R THE DATE :  Duration		Sept 2 1 52m TO 58 1m to 57m w	Bm with nq rovith nw casir	(0000 hrs - 2 E		Boiler Hrs:		ı
4 HOUR S	То	Hndle Tools  R THE DATE :  Duration	DRILL FROM drill FROM 51	Sept 2 1 52m TO 58 1m to 57m w n to 64m with	Bm with nq revith nw casir	(0000 hrs - 2 E		Boiler Hrs:		ı
shing 4 HOUR S From	То	Hndle Tools  R THE DATE :  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 57m drill from 64m	Sept 2 1 52m TO 58 1m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with	Bm with nq rovith nw casiren nq rods nw casing n nq rods	(0000 hrs - 2 E		Boiler Hrs:		ı
4 HOUR S	То	Hndle Tools  R THE DATE :  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 57m	Sept 2 1 52m TO 58 1m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with	Bm with nq rovith nw casiren nq rods nw casing n nq rods	(0000 hrs - 2 E		Boiler Hrs:		ı
ishing 24 HOUR S From	То	Hndle Tools  R THE DATE :  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 67m drill from 64m drill from 63m	Sept 2 1 52m TO 58 1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with	Bm with nq rowith nw casirn nq rods nw casing n nq rods nw casing nw casing	(0000 hrs - 2 E ods	vent	Boiler Hrs:		ı
shing 4 HOUR S From	То	Hndle Tools  R THE DATE :  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 57m drill from 64m	Sept 2 1 52m TO 58 1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with	Bm with nq rowith nw casirn nq rods nw casing n nq rods nw casing nw casing	(0000 hrs - 2 E ods	vent	Boiler Hrs:		ı
shing 4 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 64m drill from 63m	Sept 2' 1 52m TO 58 1 m to 57m w n to 64m with n to63m with n to 70m with to 69m with t 73m Casir	Bm with nq rovith nw casing n nq rods nn casing n nq rods n nw casing n nw casing ng is at 69m	(0000 hrs - 2 E ods og at this point in	vent	Boiler Hrs:		ı
shing 4 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 64m drill from 63m The hole is at	Sept 2' 1 52m TO 58 1 m to 57m w n to 64m with n to63m with n to 70m with n to 69m with t 73m Casir overburder/	8m with nq ru vith nw casing n nq rods nw casing n nq rods n nw casing ng is at 69m	(0000 hrs - 2 E ods og at this point in	vent	Boiler Hrs:		ı
4 HOUR S	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 64m drill from 63m  The hole is at 0m to 46.4m 46.4m to 52.0	Sept 2  1 52m TO 58  1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with 1 to 73m Casir  overburder/ 0m Gypsun	8m with nq rovith nw casing n nq rods n nq rods n nq rods n nq rods n nw casing n nw casing ng is at 69m (sand, clay n	(0000 hrs - 2 E ods og at this point ir	n time.	Boiler Hrs:		ı
ishing 24 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 64m drill from 63m  The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0	Sept 2  1 52m TO 58 Im to 57m w to 64m with to 69m with to 69m with to 69m with to 73m Casir overburder/ Om Gypsun Om/ overburd	Bm with nq rovith nw casing n nq rods n nq rods n nq rods n nq rods n nw casing n nw casing (sand, clay nden	(0000 hrs - 2 E ods og at this point ir	n time.	Boiler Hrs:		ı
ishing 4 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 63m The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0 56.0m to 70.0	Sept 2  1 52m TO 58  1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with 1 to 73m Casir  overburder 1 ove	Bm with nq rovith nw casing n nq rods n nq rods n nq rods n nq rods n nw casing n nw casing (sand, clay n den (sand, cla	(0000 hrs - 2 E ods og at this point ir	n time.	Boiler Hrs:		ı
ishing 24 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 64m drill from 63m  The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0	Sept 2  1 52m TO 58  1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with 1 to 73m Casir  overburder 1 ove	Bm with nq rovith nw casing n nq rods n nq rods n nq rods n nq rods n nw casing n nw casing (sand, clay nden	(0000 hrs - 2 E ods og at this point ir	n time.	Boiler Hrs:		ı
ishing 24 HOUR S From	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 63m drill from 63m The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0 70.0m to 73.0	Sept 2  1 52m TO 58  Im to 57m w in to 64m with in to 63m with in to 69m with in	Bm with nq rovith nw casing n nq rods n nw casing n nq rods n nw casing ng is at 69m (sand, clayin den	at this point ir	n time.  Iders)  boulders)			ı
4 HOUR S	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill From 58m drill from 63m drill from 63m The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0 70.0m to 73.0 Hole is drilled	Sept 2  1 52m TO 58  1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with 1 to 69m with 1 to 69m with 1 to 69m with 2 T3m Casir  Overburder 2 Om Gypsun 3 Om/ Overburd 3 Om/ Gyp 3 Om/ Anhy 4 to 73.0m C	Bm with nq rovith nw casing n nq rods n nw casing n nq rods n nw casing ng is at 69m (sand, clay nden (sand,	at this point ir	n time.  Iders)  boulders)		o 73.0m	ı
4 HOUR S	То	Hndle Tools  R THE DATE:  Duration	DRILL FROM drill FROM 51 drill from 58m drill from 63m drill from 63m The hole is at 0m to 46.4m 46.4m to 52.0 52.0m to 64.0 70.0m to 73.0	Sept 2  1 52m TO 58  1 m to 57m w 1 to 64m with 1 to 63m with 1 to 70m with 1 to 69m with 1 to 69m with 1 to 69m with 1 to 69m with 2 T3m Casir  Overburder 2 Om Gypsun 3 Om/ Overburd 3 Om/ Gyp 3 Om/ Anhy 4 to 73.0m C	Bm with nq rovith nw casing n nq rods n nw casing n nq rods n nw casing ng is at 69m (sand, clay nden (sand,	at this point ir	n time.  Iders)  boulders)		o 73.0m	ı

Flat Ray	Test Hole # Cl	- E-B T-H #	7			REPORT #:	6	DATE:	Santam	ber 28, 2011
	0m	11-10 1-11#		: 73.0	0m			DATE.	Ave ROP:	Dei 20, 2011
DEPTH 24:00:	UIII		PROGRESS	: 75.0	OIII	Last 24 Hr Rota				00.007.0775
OPER 09:00:			LIOLE OND			FOREMAN: H.H	YNES	oloor	MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		8°C	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	r	ough		1
				11		1		1		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.						Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						мвт		Tanks		m3
	•					CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY			4)-		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				-
1						1				
2						Mud Co.				
3			1			Mud Man				
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
	OPERATIONS TI		DOWN	Di Comi.	7001	Water added		Mud Daily Coat		
IDRILLING		IVIE DREAN						Mud Daily Cost		
	OF ENATIONS TO			Maya Dia		-11		Mud Cum Cost		
RU / TO	CI EKATIONS II	Survey		Move Rig		Losses	TDOL	Mud Cum Cost	NTDOL	
RU / TO Drill w/ fluid	OF ERATIONS III	Survey Logging				Losses WELL CON		SOLIDS CO	NTROL	NI/A
RU / TO Drill w/ fluid Drill w/ air	OF ERATIONS II	Survey Logging Run Casing		WO Materials		Losses WELL CON RSPP	I <b>TROL</b> N/A	SOLIDS CO Shaker Make	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air Reaming	OF EINATIONS TI	Survey Logging Run Casing Cementing		WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OF EXAMONS II	Survey Logging Run Casing Cementing WOC		WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa)		SOLIDS CO Shaker Make Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OF ENATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's		WO Materials WO Services Safety Meeting Mix mud		Losses  WELL CON  RSPP  ST/Min  MACP(kPa)  Calc Hole Fill	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OF ENATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs		WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OF ENATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		WO Materials WO Services Safety Meeting Mix mud		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OF ENATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		WO Materials WO Services Safety Meeting Mix mud Install Wellhead	3 2011	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration		WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs - 2	N/A N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (00000 hrs - 2	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  SING FROM 68 HOLE AT 72m	9m TO 72m WAIT ON C	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  MO000 hrs - :	N/A N/A N/A 2400 hrs) Event DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration 24.00	REAM CAS CEMENT H	WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Sept 28  BING FROM 68 HOLE AT 72m  ting with crew	9m TO 72m WAIT ON C	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs - : EMENT PRIC	N/A N/A N/A 2400 hrs) vent DR TO DRI	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

Vuica	ii wiiiei ai								LY DRILL	
Flat Bay	Test Hole # C	H7				REPORT #:	9	DATE:	Septem	ber 29, 2011
DEPTH 24:00:	100r		PROGRESS	: 150	0m	Last 24 Hr Rot	ating Time:		Ave ROP:	· · · · · · · · · · · · · · · · · · ·
OPER 09:00:					····	FOREMAN: H.H			MOBILE NO.: 78	80-667-8775
			LIQUE CND :				TNES	clear		50-007-0775
DAILY COST:			HOLE CND.:			WEATHER:			TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)	NQ					Depth(m)		Make		
Mfg.						Density		Model		
-						1		Liner X Stk		
Type						Mud Grad				
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								MI	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		1		
Cum Fis	I							Tanks		m3
	ALE 100			<u> </u>		CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY		1	т.	_	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1 '				
								=		
Jts DP in hole:					1/1/1/	1,0111110	N/3	II		
		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
	OPERATIONS TI		DOWN	DP Conn:	XXX	VOLUMES Water added	M³	Mud Daily Cost		
	OPERATIONS TI		DOWN	DP Conn:  Move Rig	XXX	╡├───	M³	Mud Daily Cost Mud Cum Cost		
DRILLING	OPERATIONS TI	ME BREAK Survey	DOWN	1	XXX	Water added Losses			NTROL	
DRILLING RU / TO Drill w/ fluid	OPERATIONS TI	Survey Logging	DOWN	Move Rig	XXX	Water added Losses	ITROL	Mud Cum Cost SOLIDS CO	NTROL	N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air	OPERATIONS TI	Survey Logging Run Casing	DOWN	Move Rig WO Materials	XXX	Water added Losses WELL CON		Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS TI	Survey Logging Run Casing Cementing	DOWN	Move Rig  WO Materials  WO Services	XXX	Water added Losses WELL CON RSPP ST/Min	ITROL N/A	Mud Cum Cost SOLIDS CO		N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Move Rig  WO Materials  WO Services  Safety Meeting	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig  WO Materials  WO Services  Safety Meeting	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Council Fill Act Hole Fill Council Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration		Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe	er 29, 2011	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Calc Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill W/ fluid Drill W/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	presure tes	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe	er 29, 2011 SI held press	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS	er 29, 2011 SI held press crew and on	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR TO 0700	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR TO 0700	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration 24.00	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR TO 0700	ME BREAK Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration 24.00	presure tes held safety drill nq rod	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  Septembe st up to 500 PS meeting with as from 73m to	er 29, 2011 SI held press crew and on 150m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill MCHOOOO hrs - Eure for 10 mi site supervis	N/A N/A N/A N/A 2400 hrs) Event ns, no leaks iors prior to	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

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Flat Bay	Test Hole # C		7			REPORT #:	8	DATE:	septem	ber 30 2011
DEPTH 24:00:	150.0	0 m	PROGRES	s: 220m		Last 24 Hr Ro	tating Time:		Ave ROP:	
PER 09:00:						FOREMAN: H.H	IYNES		MOBILE NO.: 78	0-667-8775
AILY COST:			HOLE CND.:			WEATHER:	SU	ınnny	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		22c	T.P. MOBILE:	
ORMATION:			K.B. ELEV.:			ROADS:				
	BIT PERFO	RMANCE				DRILLIN	IG FLUID		PUMPS	
Bit No.						Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Гуре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
NOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								MU	JD & CHEMI	CALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
	OLE ASSEMBL					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection Size	& Type	1				
1						_		28 bags of portla	and	
2						Mud Co.				
3					VVV	Mud Man				
BHA Length:		Hook Load:		DP size DC Conn: XX	XXX	Mud Up @				
Avail WOB:		Jts DP Racks				<b>-</b>	3	-		
Jts DP in hole:		DP on Loc:		DP Conn: XX	(X	VOLUMES	M <sup>3</sup>			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR			sept 29 20	011	(0000 hrs -				
From	То	Duration					Event			
0700	0700	24.00		I WORD FROM OF				RODS FROM	l 150m TO 1	99m PULL OL
			RUN BAC	K TO BOTTOM DI	RILL FRO	OM 199m to 2	220m			
			safety me	eting with crew and	d on site	supevisors				
24 HOUR F	orcast :									
	ment and demok	oilize ria to no	vt location							
to tu ob	on and defilor	JIIIZO NG 10 NG	A. IOOdiIOH							

	n wiinerai					1		DA	ILI DINILL	ING REPORT
Flat Bay	Test Hole # C	Н <b>г-в т-н</b> # 1	7			REPORT #:	11	DATE:	OCTO	BER 1 2011
DEPTH 24:00:	150	M	PROGRESS	: 220	OM	Last 24 Hr Ro	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	R/	NING	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		6C	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:				
			•							
	BIT PERFO	RMANCE		li .		DRILLIN	G FLUID	1	PUMPS	
Bit No.	DITT EIG OF	KINANGE		ll		Time	O I LOID	Pump No.	1 01111 0	
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								М	UD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
04						CI (ppm)		Hole Volume		m3
BOTTOME	OLE ASSEMBLY	/	1	<u> </u>		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Tyne	Са (ррпп)		System voi.		IIIO
1	item	IVIAX OD	IVIIII ID	Connection	bize & Type	1				
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	Midd Op @				
THAI THOS.										
						VOLUMES	M3	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
DRILLING	OPERATIONS T	DP on Loc:	DOWN	DP Conn:		Water added	M <sup>3</sup>	Mud Daily Cost		
	OPERATIONS TI	DP on Loc:	DOWN			Water added Losses		Mud Cum Cost		
DRILLING	OPERATIONS TI	DP on Loc:	DOWN	DP Conn:		Water added Losses WELL CON	ITROL		NTROL	
DRILLING RU/TO	OPERATIONS TI	DP on Loc:	DOWN	DP Conn:  Move Rig  WO Materials		Water added Losses		Mud Cum Cost	NTROL	_N/A
DRILLING RU / TO Drill w/ fluid	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing	DOWN	DP Conn:		Water added Losses WELL CON	ITROL N/A	Mud Cum Cost SOLIDS CO		N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC	DOWN	DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting		Water added Losses WELL CON	ITROL	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS TI	DP on Loc:  ME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's	DOWN	DP Conn:  Move Rig  WO Materials  WO Services		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs	DOWN	DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs  Drill Out Cmt	DOWN	DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs	DOWN	DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs  Drill Out Cmt	DOWN	DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	OPERATIONS TO	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs  Drill Out Cmt  DST  Hndle Tools	DOWN	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead	xxx	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs  Drill Out Cmt  DST  Hndle Tools		DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead	xxx	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey  Logging  Run Casing  Cementing  WOC  NU BOP's  Test BOPs  Drill Out Cmt  DST  Hndle Tools  THE DATE:		DP Conn:  Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead	XXX R 1 2011	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	XXX  R 1 2011  0430hrs pull	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (	XXX  R 1 2011  0430hrs pull	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (	XXX  R 1 2011  0430hrs pull	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (le back to surfator)  DOWS bubbling to	R 1 2011  0430hrs pull ace with 1800 from matrix a	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho	Move Rig  WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (de back to surfa	R 1 2011  0430hrs pull ace with 1800 from matrix a	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (le back to surfator)  DOWS bubbling to	R 1 2011  0430hrs pull ace with 1800 from matrix a	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (le back to surfator)  DOWS bubbling to	R 1 2011  0430hrs pull ace with 1800 from matrix a	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (le back to surfator)  DOWS bubbling to	R 1 2011  0430hrs pull ace with 1800 from matrix a	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
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DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From	SUMMARY FOR T	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
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DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR \$ From 0700	SUMMARY FOR TO 0700	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR TO 0700	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$ From 0700	SUMMARY FOR TO 0700	DP on Loc:  IME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	FINISHED cement ho good oil sh 8-10%	Move Rig  WO Materials  WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  OCTOBE  DRILLING@ (Install Wellhead)  DRILLING@ (Install Wellhead)	R 1 2011  0430hrs pull ace with 1800  from matrix acovery	Water added Losses  WELL CON RSPP RSPP Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill O0000 hrs - Out of hole g Okgm3 get re	N/A N/A N/A N/A 2400 hrs) Event et ready for eady to dem	Mud Cum Cost  SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  cement job olize rig to ne	Desilter N/A N/A N/A N/A N/A xt location	N/A  Centrifuge N/A N/A N/A N/A (to 24:00)

	ii wiiieia	113				T		DAI	LT DRILL	ING REPOR
FB TH-6						REPORT #:	12	DATE:	Oc	t 2/ 2011
DEPTH 24:00:	100	)m	PROGRESS	s: 150	0m	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		rain	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		6c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	3
Bit No.					1.00 °	Time	<u> </u>	Pump No.		
Size (mm)	NQ					Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								MI	JD & CHEM	IICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
l Cum Tillo	I					CI (ppm)		Hole Volume		m3
ВОТТОМН	OLE ASSEMBL	Y	1	<u>. n</u>		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Tyne	Ой (ррііі)		System voi.		1110
1	itom	Wax OB	IVIIII IB	Connection	DIZC & Type	1				
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	- Indu Op @				
						VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS 1		DOWN	_	1	Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE:		Oct 2	/2011	(0000 hrs -	2400 hrs)			
From	То	Duration					vent			
0700	0700	24.00	continue to	demobilize rig	to new loca	ation				
			safety mee	eting with crew	to discuss h	azards of mo	ving equipn	nent around or	n muddy loc	ations
									-	·
								<u></u>	_	
24 HOUR F										
	demobilize rig a	nd drill			_					
	_									

	n wiinerai	13						DAI	LY DRILLI	
FB TH-6						REPORT #:	13	DATE:	Oc	t 3/2011
DEPTH 24:00:	0m	1	PROGRESS	: 19	ım	Last 24 Hr Rot			Ave ROP:	
OPER 09:00:	0	•				FOREMAN: H.H			MOBILE NO.: 78	0-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TIVEO	rain	TOOLPUSH:	0-007-0173
								6c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	10	ough		
	BIT PERFO	RMANCE		1		DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)	NQ					Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?								MU	JD & CHEM	CALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						мвт		Tanks		m3
	1					CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBLY	<u>'</u>		11		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Tyne	ой (ррш)		Cystem voi.		iiio
1	itom	Wax OB	IVIIITIB	Connection C	oize a Type	1				
2						Mud Co.				
3						Mud Man				
BHA Length:	1	Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	ivida op @				
Avaii WOB.		JIS DF Nacks		DC COIII.		_	M <sup>3</sup>	-		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M			
DRILLING (	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging				WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Reaming		-		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Reaming Rm Rathole		WOC				Calc Hole Fill		Vol UF (I/min)	N/A	
Rm Rathole		WOC NU BOP's		Mix mud						N/A
Rm Rathole Cond / Circ				Mix mud Install Wellhead			N/A	` ′		
Rm Rathole Cond / Circ Tripping		NU BOP's Test BOPs		Mix mud Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig		NU BOP's Test BOPs Drill Out Cmt				Act Hole Fill Lst BOP Drill:	N/A	U.F. (kg/m3) O.F. (kg/m3)	N/A N/A	N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig		NU BOP's Test BOPs Drill Out Cmt DST		Install Wellhead		Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Install Wellhead  Total Hrs		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill		U.F. (kg/m3) O.F. (kg/m3)	N/A N/A	N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	SUMMARY FOR	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE:		Install Wellhead	2011	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration		Total Hrs Oct 3/		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S		NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE:	Safety mee	Total Hrs  Oct 3/	crew and on	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs Oct 3/	crew and on to 11m overb	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill  (0000 hrs - E site supervisourden	2400 hrs) Event	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs Oct 3/	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools THE DATE: Duration	Drill NW ca	Total Hrs  Oct 3/ eting held with using from 0m to 19m bee	crew and on to 11m overb drock and hy	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E site supervise ourden	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24.00	Drill NW ca drill from 1' Set casing	Total Hrs  Oct 3/ eting held with asing from 0m to 19m becat 19m and ce	crew and on to 11m overt drock and hy ement appr	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Esite supervise curden redrate oximately 8n	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24.00	Drill NW ca drill from 1' Set casing	Total Hrs  Oct 3/ eting held with asing from 0m to 19m becat 19m and ce	crew and on to 11m overt drock and hy ement appr	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Esite supervise curden redrate oximately 8n	2400 hrs) Event siors prior to	U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	N/A N/A N/A	N/A N/A N/A

vuica	n wiinera	13						DA	ILT DRILL	ING REPORT
FB test h	ole #6					REPORT #:	1	DATE:	Oct	4th 2011
DEPTH 24:00:	11r	n	PROGRESS	s: 12	1m	Last 24 Hr Rot	ating Time:	1	Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		rain	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		6c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	r	ough		
						- U				
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.	DITT EIG O	TUINAITOL		-	1.00 °	Time	I LOID	Pump No.	1 01111 0	<u>'</u>
Size (mm)					1.00	Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)		NOZZIE VEI		m/sec
Pulled For?						11 ' '		рлі	JD & CHEM	ICAI S
						Solids (%)			α CΠΕΙΝΙ	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min 
Cum Hrs	I					MBT		Tanks		m3
	01 5 40051151	.,				CI (ppm)		Hole Volume		m3
	OLE ASSEMBL		I	To .: 6	· · · -	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	4				
1						4				
2						Mud Co.		3 bags of portla	nd	
3					T	Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX			4		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
	OPERATIONS T		DOWN	- I	1	Water added		Mud Daily Cost		
RU / TO	LIVATIONO	Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROI	SOLIDS CO	NTROL	
Drill w/ naid		Run Casing		WO Materials		RSPP	N/A	Shaker Make	ITINOL	N/A
Reaming		Cementing		WO Services		ST/Min	14//	Shaker Mesh		N/A
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A	Onaker West	Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	1477	Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt		ilistali Wellileau		Lst BOP Drill:	IN/A	O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
								Boiler Hrs:	IN/A	l.
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Bollet His:		(to 24:00)
	UMMARY FOR			1		(0000 hrs -				
From	То	Duration					vent			
0700	0700	24hr		eting with crew	and on site	supervisiors (	discussed v	veather conditi	ons and safe	ety
			hazzards,							
				cement from 8						
				est to 500 psi f						
			Nipple up	deverter prior t	o drilling ahe	ead				
				ds from 11m to						
			Drill NQ ro	ds from 43m to	o 121m					
24 HOUR F	orcast :									
	to find conglome	rate								
	ŭ									

	n wiinera	1.5				T		DAI	LI DIVILL	ING REPORT
FB test h						REPORT #:	1	DATE:	Oct	5th 2011
DEPTH 24:00:	121	m	PROGRESS	: 202	2m	Last 24 Hr Rot			Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		rain	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		6c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	re	ough		<u> </u>
				1		1		1		
	BIT PERFO	RMANCE			4.00.0	11	G FLUID		PUMPS	<b>i</b>
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg. Type						Density Mud Grad		Model Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs	1					MBT CL(ppm)		Tanks Hole Volume		m3 m3
POTTOMU	OLE ASSEMBL	V				CI (ppm)				
No.	Item	Max OD	Min ID	Connection S	Siza & Typa	Ca (ppm)		System Vol.		m3
1	item	IVIAX OD	טו וווועו	Connection 3	nze & Type	1				
2		-				Mud Co.		3 bags of portlar	nd	
3						Mud Man		bage of pertial		
BHA Length:		Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1				
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
	OPERATIONS T		DOWN			Water added		Mud Daily Cost		
RU/TO		Survey	1	Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY FOR					(0000 hrs -				
From	To	Duration		41			vent	-i P:	4 4 5 - 1	4
0700	0700	24hr		eting with crew		riord and on	site supervi	siors, discusse	ea tne impor	tance
	-			g and waxing c ds from 121m t						
				to 202m colle		sections from	n the conal	omerate		
			Waxed all 6		23.04 0 0016	20000113 1101	and donigh			
				als collected	193.0m to 1	93.44m		·		
			193.7m to							
			195.58m to							
	-		198.0m to							
			199.89m to							
	-		201.5m to 2	∠U∠.UIII						
24 HOUR F	orcast :									
	*									

vuica	n wiinerai	5						ואלט		ING REPORT
Flat bay	Test Hole #4					REPORT #:	14	DATE:	oct	6th,2011
DEPTH 24:00:	0m		PROGRESS	: 46	Sm	Last 24 Hr Rot		57.112.	Ave ROP:	o,_o
OPER 09:00:	<b>5</b>					FOREMAN: H.H			MOBILE NO.: 78	R0-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	THEO	cold but clea		30 001 0110
								6c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	10	ough	1	
				10				Or .		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MI	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Odiniiis	I					CI (ppm)		Hole Volume		m3
BOTTOME	OLE ASSEMBLY	7		<u>                                     </u>		<del>-</del>				
		Max OD	Min ID	Connection S	Sizo 8 Tuno	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	טו וווואו	Connection	size & Type	4				
1			1			1				
2			1			Mud Co.				
3	<u> </u>				100/	Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
					2000	II				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Avail WOB:  Jts DP in hole:		Jts DP Racks DP on Loc:		DC Conn: DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
Jts DP in hole:	OPERATIONS TI	DP on Loc:	DOWN			-	M <sup>3</sup>	Mud Daily Cost		
Jts DP in hole:	OPERATIONS TI	DP on Loc:	DOWN	DP Conn:		Water added	M <sup>3</sup>	Mud Daily Cost		
Jts DP in hole:  DRILLING RU / TO	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey	DOWN	DP Conn:		Water added Losses		Mud Cum Cost	NTROI	
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging	DOWN	DP Conn:  Move Rig Fishing		Water added Losses WELL CON	TROL	Mud Cum Cost	NTROL	N/Λ
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing	DOWN	DP Conn:  Move Rig Fishing WO Materials		Water added Losses WELL CON		Mud Cum Cost SOLIDS CO Shaker Make	NTROL	N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing	DOWN	DP Conn:  Move Rig Fishing WO Materials WO Services		Water added Losses WELL CON RSPP ST/Min	I <b>TROL</b> N/A	Mud Cum Cost		N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey  Logging  Run Casing  Cementing  WOC	DOWN	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting		Water added Losses WELL CON RSPP ST/Min MACP(kPa)	TROL	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	I <b>TROL</b> N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	I <b>TROL</b> N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping  Lubricate Rig	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	I <b>TROL</b> N/A N/A	Mud Cum Cost  SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST	DOWN	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	I <b>TROL</b> N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping  Lubricate Rig	OPERATIONS TI	DP on Loc:  ME BREAK  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	I <b>TROL</b> N/A N/A	Mud Cum Cost  SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	OPERATIONS TI	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct 6th,20	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR \$	SUMMARY FOR T	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  FHE DATE:	Oct 6th,20	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs	xxx	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Colo Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	and onsite s	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs -	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20 Safety mee Finished te	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to	and onsite so move to ne	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping  Lubricate Rig  Repair Rig  Fishing  24 HOUR S  From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR 1	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR T To 0700	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR T To 0700	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location
Jts DP in hole:  DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T To 0700	DP on Loc:  ME BREAKI  Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Oct 6th,20  Safety mee Finished te Rig up rig a Drill NQ ro	DP Conn:  Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew paring out rig to and string out vids from 0 m to	and onsite so move to newaterline for	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Edu Hole Fill Act Hole Fill Council	N/A N/A N/A N/A 2400 hrs) Event Orior to movi	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A (to 24:00)  ext location

vuica								1		
Flat bay	Test Hole #4					REPORT #:	15	DATE:	Oct	7th,2011
DEPTH 24:00:	43n	n	PROGRESS	: 103	3m	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			•			FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		5c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
			1			1,				
	BIT PERFO	DMANCE		1		DDILLIN	G FLUID	1	PUMPS	
Bit No.	BITTERIO	KWANCE			1.00 °	Time	GILOID	Dump No	r OWIF 3	
					1.00	Depth(m)		Pump No.		
Size (mm)								Make Model		
Mfg.						Density Mud Crod				
Type Serial #						Mud Grad Vis		Liner X Stk SPM		
Nozzles						PV				
						YP		Pump Eff.		
From (mKB)						II		Pump Rate		l/Do
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)			ID & CHEM	ICALC
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
		_				CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY		_	T		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX			4		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
DIVILE LING										
				Move Rig		-11				
RU / TO		Survey		Move Rig		Losses	ITROI	Mud Cum Cost	NTROI	
RU / TO Drill w/ fluid		Survey Logging		Fishing		Losses WELL CON		Mud Cum Cost SOLIDS CO	NTROL	N/Δ
RU / TO Drill w/ fluid Drill w/ air		Survey Logging Run Casing		Fishing WO Materials		Losses WELL CON	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming		Survey Logging Run Casing Cementing		Fishing WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	Mud Cum Cost SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole		Survey Logging Run Casing Cementing WOC		Fishing WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa)		Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ		Survey Logging Run Casing Cementing WOC NU BOP's		Fishing WO Materials WO Services Safety Meeting Mix mud		LOSSES WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs		Fishing WO Materials WO Services Safety Meeting		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:	oct 7,2011	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill County Fill County Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:	oct 7,2011 Safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill County Fill County Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 43m to	73m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill County Fill County Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to	73m at 73m	Cosses  WELL CON  RSPP  ST/Min  MACP(kPa)  Calc Hole Fill  Act Hole Fill  Lst BOP Drill:  Calc Hole Fill  Act Hole Fill  Act Hole Fill  Supervisior, of	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 43m to	73m at 73m	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to	73m at 73m	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	oct 7,2011 Safety mee Drill NQ roo Drill NW ca Drill NQ roo	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24hr	oct 7,2011 Safety mee Drill NQ roo Drill NQ roo At 103m st	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24hr	oct 7,2011 Safety mee Drill NQ roo Drill NQ roo At 103m st	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting with crew ds from 43m to asing currently ds from 73m to	o 73m at 73m o 103m at 07	Cosses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisior, comparison, compariso	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

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Flat bay	Test Hole #4					REPORT #:	16	DATE:	Oct	8th,2011
DEPTH 24:00:	103	m	PROGRESS	: 115	10c	Last 24 Hr Rot	tating Time:		Ave ROP:	
OPER 09:00:			1			FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.T. WODILL.	
FORWATION.			K.B. ELEV			NOADS.	1	Jugii		
				1		1		I		
	BIT PERFO	RMANCE				DRILLIN	IG FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake				
								Nozzle Vel		m/sec
Condition						Sand (%)			ID 0 01:Er:	ICALC
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBL	<u> </u>		•		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type				ı	-
1		ax oz			5.20 G. 1 JP 0	1				
2						Mud Co.				
3						Mud Man				
		Haali Laadi		DD -i	XXX	11				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	^^^	-	2	4		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROI	SOLIDS CO	NTROI	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make	1	N/A
		_		WO Materials WO Services		II	IN/A	Shaker Mesh		N/A
Reaming		Cementing				ST/Min	N/A	Shaker Mesh	Darillan	
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	IN/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	NI/A	Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE :	Oct8th.201	1		(0000 hrs -	2400 hrs)			
From	То	Duration					Event			
0700	0700	24hr		eting with crew	and onsite			roper PPE.		
	1			ds from 103m		,		,		
				hole to change						
				ew bit, run in h		wn from 82n	n to 103m			
				ds from 109m			100111			
				asing from 109		set casing a	and cement			
			ווווט ווווט ווווט	aomig nom 109		Joe Casing a	and obilibill			
	-									
	-									
24 HOUR F	orcast :									
		nck set casin	a and ceme	nt.						
Continue to	unii to mia bean	JUN, JUL GRAIN								
Continue to	ann to mia bear	on, set casin	g and come							

	ii wiiieia									
Flat bay	Test Hole #4					REPORT #:	16	DATE:	Oct	9th,2011
DEPTH 24:00:	103	m	PROGRESS	i: 11:	5m	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			l.			FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.F. WOBILE.	
FORMATION.			N.B. ELEV			ROADS.	1	Jugii		
						11		11		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		МІ	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Culli His								Hole Volume		
DOTTOMU	OLE ACCEMBLY	./				Cl (ppm)				m3
	OLE ASSEMBLY		Iva: ID	10	2: 0 <del>T</del>	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	4				
1						4				
2						Mud Co.				
3						Mud Man		5 bags portland	t	
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	xxx	VOLUMES	${\sf M}^3$			
	OPERATIONS T		DOWN			Water added		Mud Daily Cost		
RU/TO	OF ENATIONS I	1	DOWN	Move Rig		Losses		Mud Cum Cost		
								IVIUU CUITI COSI		
		Survey					ITPOL	COLUDE CO	MTDOL	
Drill w/ fluid		Logging		Fishing		WELL CON		SOLIDS CO	NTROL	NI/A
Drill w/ fluid Drill w/ air		Logging Run Casing		Fishing WO Materials		WELL CON	ITROL N/A	Shaker Make	NTROL	N/A
Drill w/ fluid Drill w/ air Reaming		Logging Run Casing Cementing		Fishing WO Materials WO Services		WELL CON RSPP ST/Min	N/A			N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole		Logging Run Casing Cementing WOC		Fishing WO Materials WO Services Safety Meeting		WELL CON RSPP ST/Min MACP(kPa)		Shaker Make Shaker Mesh	Desilter	N/A Centrifuge
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ		Logging Run Casing Cementing WOC NU BOP's		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping		Logging Run Casing Cementing WOC NU BOP's Test BOPs		Fishing WO Materials WO Services Safety Meeting		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ		Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping		Logging Run Casing Cementing WOC NU BOP's Test BOPs		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A N/A	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig		Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct9th.201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A N/A	Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A	Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S		Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs	ementina wit	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs)	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event ensite super	Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting prior to Cosing at 115m cosing at 115m cosing words.	ement job w	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  etting prior to co	ement job w n in hole fror	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1	ement job w n in hole fror 11m to 115n	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	То	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	saftety med cement cas wait on cer drilled out of pressured	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting prior to coment for 8hr rucement from 1 test to 500 ps	ement job w in in hole from 11m to 115m i good test	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E th crew and co	N/A N/A N/A 2400 hrs) Event Insite super	Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:  visor prior to 85 L of 1850K	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

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Flat bay	Test Hole #4					REPORT #:	17	DATE:	Oct	10,2011
DEPTH 24:00:	120r	m	PROGRESS	: 184	4m	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:			11			FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.F. WOBILE.	
FORMATION.			K.B. ELEV			ROADS.	1	Jugii		1
				1		1		1		
	BIT PERFO	RMANCE	T			-	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
04	l					CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBLY	,		<u> </u>		<del>-</del>				
		Max OD	Min ID	Connection S	Sizo & Typo	Ca (ppm)		System Vol.		m3
No.	Item	IVIAX OD	טו וווווו	Connection	size & Type	4				
1						-				
2						Mud Co.				
3					2007	Mud Man		5 bags portland	d	
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX			4		
Jts DP in hole:										
JIS DI III IIOIE.		DP on Loc:		DP Conn:	XXX	<b>VOLUMES</b>	$M^3$			
	OPERATIONS T		DOWN	DP Conn:	XXX	<del> </del>	M <sup>3</sup>	Mud Daily Cost		
DRILLING	OPERATIONS T	IME BREAK	DOWN	1	XXX	Water added	M <sup>3</sup>	Mud Daily Cost		
DRILLING (	OPERATIONS T	IME BREAK Survey	DOWN	Move Rig	XXX	Water added Losses		Mud Cum Cost	NTROI	
DRILLING (RU / TO Drill w/ fluid	OPERATIONS T	Survey Logging	DOWN	Move Rig Fishing	XXX	Water added Losses WELL CON	ITROL	Mud Cum Cost SOLIDS CO	NTROL	N/A
DRILLING  RU / TO  Drill w/ fluid  Drill w/ air	OPERATIONS T	Survey Logging Run Casing	DOWN	Move Rig Fishing WO Materials	xxx	Water added Losses WELL CON		Mud Cum Cost SOLIDS CO Shaker Make	NTROL	N/A
DRILLING (RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS T	Survey Logging Run Casing Cementing	DOWN	Move Rig Fishing WO Materials WO Services	xxx	Water added Losses WELL CON RSPP ST/Min	ITROL N/A	Mud Cum Cost SOLIDS CO		N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS T	Survey Logging Run Casing Cementing WOC	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh	Desilter	N/A Centrifuge
DRILLING  RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ	OPERATIONS T	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud	xxx	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting	xxx	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL N/A N/A	Mud Cum Cost  SOLIDS COI  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost  SOLIDS COI  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL N/A N/A	Mud Cum Cost  SOLIDS COI  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	XXX	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost  SOLIDS COI  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	OPERATIONS TO	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct 10,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	UMMARY FOR	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:	Oct 10,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	and on site	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew ds from 120m	and on site	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee Drill NQ roo Total depth	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew ds from 120m in for hole is 14	and on site to 148m 8m due to dr	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee Drill NQ ro Total depth Pull out of	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew ds from 120m	and on site to 148m 8m due to dr n to 0m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee Drill NQ ro Total depth Pull out of Cement ho	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ble back to surf	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201 Safety mee Drill NQ ro Total depth Pull out of Cement ho	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r ale back to surf and demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	UMMARY FOR To 0700	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	UMMARY FOR To 0700	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE: Duration 24hr	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	UMMARY FOR To 0700	IME BREAK Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE: Duration 24hr	Oct 10,201  Safety mee Drill NQ ro Total depth Pull out of Cement ho Rig out rig	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  etting with crew ds from 120m in for hole is 144 hole from 148r alle back to surfand demob to	and on site to 148m 8m due to dr m to 0m face.	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A 2400 hrs) Event discussed	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days  Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

Valca	ii wiiilei ai					T				NG REPORT
Flat bay	Test Hole #8					REPORT #:	18	DATE:	Oct	11th,2011
DEPTH 24:00:	0m		PROGRESS	: 91	m	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			11			FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		clear	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:		ough	T.P. WOBILE.	
FORMATION.			N.B. ELEV			RUADS.	10	Jugii		
				11		1		11		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	CALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						мвт		Tanks		m3
	1					CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBLY	<u>'</u>		11		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Tyne	Ой (ррііі)		30 bags of po	ortland	1110
1	item	IVIAX OD	IVIIII ID	Connection	Size & Type	1		50 bags of po	ordand	
2						Mud Co.				
3						Mud Man		3		
		Hook Loods		DP size	XXX	Mud Up @		3		
BHA Length: Avail WOB:		Hook Load:			XXX	INIUG OP @				
Avaii WOB.		Jts DP Racks		DC Conn:						
							3	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
	OPERATIONS TI		DOWN	DP Conn:		VOLUMES Water added	M <sup>3</sup>	Mud Daily Cost		
	OPERATIONS TI		DOWN	DP Conn:		4	M <sup>3</sup>	Mud Daily Cost		
DRILLING (	OPERATIONS TI	ME BREAK	DOWN	1		Water added		-	NTROL	
DRILLING (	OPERATIONS TI	ME BREAK	DOWN	Move Rig		Water added Losses		Mud Cum Cost	NTROL	N/A
DRILLING ( RU / TO Drill w/ fluid	OPERATIONS TI	Survey Logging	DOWN	Move Rig Fishing		Water added Losses WELL CON	TROL	Mud Cum Cost SOLIDS CO	NTROL	N/A N/A
DRILLING (RU / TO Drill w/ fluid Drill w/ air	OPERATIONS TI	Survey Logging Run Casing	DOWN	Move Rig Fishing WO Materials		Water added Losses WELL CON RSPP ST/Min	TROL	Mud Cum Cost  SOLIDS COI  Shaker Make	NTROL Desilter	•
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting		Water added Losses WELL CON RSPP ST/Min MACP(kPa)	I <b>TROL</b> N/A	Mud Cum Cost  SOLIDS COI  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TI	Survey Logging Run Casing Cementing	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	TROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
DRILLING OR RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	I <b>TROL</b> N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	Centrifuge N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS TI	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	TROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	Centrifuge N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST	DOWN	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	TROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	Centrifuge N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S	SUMMARY FOR 1	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct11,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	SUMMARY FOR 1	ME BREAKI Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct11,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1	XXX	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location	v and on site	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
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DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
DRILLING ( RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct11,201 Safety mee Continue to Rig up on r Set up pun	Move Rig Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew o move rig to n new location np shack, strin-	v and on site new location g out hose, e	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Supervisiors,	N/A N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

	ii wiiileia	13				1			LY DRILL	
Flat bay	Test Hole #8					REPORT #:	19	DATE:	Oct	12th,2011
DEPTH 24:00:	9m	1	PROGRESS	s: 46	im	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:		**				FOREMAN: H.H			MOBILE NO.: 78	R0-667-8775
			LICLE CND :			+	INLO	clear	+	00-001-0113
DAILY COST:			HOLE CND.:			WEATHER:			TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		1c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
, ,						11		Model		
Mfg.						Density		II		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)		NOZZIC VCI		111/000
						1		MI	JD & CHEM	ICALE
Pulled For?			1			Solids (%)		l	אר מיר מר ער אר	
Meters			1			Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs			1			MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBL	Υ	•	-11-		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Tyne	σα (ρρ)		Cyclem ven	1	
1	item	IVIAX OD	IVIIII	Connection	nze a Type	-				
-			-			1				
2						Mud Co.				
3						Mud Man		3		
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
				DP COIII.	XXX	<del> </del>				
	OPERATIONS T	IME BREAK	DOWN	1		Water added		Mud Daily Cost		
RU/TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	TROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
							N/A	` ′	N/A	
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	IN/A	U.F. (kg/m3)		N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	
Repair Rig										N/A
		DST				Calc Hole Fill		Hours/Days	N/A	N/A N/A
Fishing		DST Hndle Tools		Total Hrs		Calc Hole Fill Act Hole Fill		Hours/Days Boiler Hrs:	N/A	
	UMMARY FOR	Hndle Tools	Oct12 201	-		Act Hole Fill	2400 hre\		N/A	N/A
24 HOUR S	UMMARY FOR	Hndle Tools THE DATE:	Oct12,201	-		Act Hole Fill (0000 hrs - 1			N/A	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration		1	discussed	Act Hole Fill (0000 hrs -	vent	Boiler Hrs:	N/A	N/A
24 HOUR S		Hndle Tools THE DATE:	Safety me	1 eting with crew		Act Hole Fill  (0000 hrs - E	vent	Boiler Hrs:	N/A	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove	1 eting with crew	IQ rods from	Act Hole Fill  (0000 hrs - E	vent	Boiler Hrs:	N/A	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW	eting with crew rburden with N casing from 9	IQ rods from m to 33m	Act Hole Fill  (0000 hrs - E	vent	Boiler Hrs:	N/A	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro	eting with crew rburden with N casing from 9 ds from 33m to	IQ rods from m to 33m o 46m	Act Hole Fill (0000 hrs - Eworking tight 9m to 33m	vent hole, and re	Boiler Hrs:		N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i	eting with crew rburden with N casing from 9 ds from 33m to intervals from 4	IQ rods from m to 33m o 46m 10m to 46m	(0000 hrs - Eworking tight 9m to 33m	vent hole, and re	Boiler Hrs:		N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i	eting with crew rburden with N casing from 9 ds from 33m to	IQ rods from m to 33m o 46m 10m to 46m	(0000 hrs - Eworking tight 9m to 33m	vent hole, and re	Boiler Hrs:		N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear	eting with crew rburden with N casing from 9 ds from 33m to intervals from 4	IQ rods from m to 33m o 46m IOm to 46m v asing from 3	Act Hole Fill  (0000 hrs - 1)  Eworking tight  9m to 33m  with clay sear	hole, and re	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o	IQ rods from m to 33m o 46m IOm to 46m v asing from 3	Act Hole Fill  (0000 hrs - 1)  Eworking tight  9m to 33m  with clay sear	hole, and re	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o	IQ rods from m to 33m o 46m IOm to 46m v asing from 3	Act Hole Fill  (0000 hrs - 1)  Eworking tight  9m to 33m  with clay sear	hole, and re	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o	IQ rods from m to 33m o 46m IOm to 46m v asing from 3	Act Hole Fill  (0000 hrs - 1)  Eworking tight  9m to 33m  with clay sear	hole, and re	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m casing from 3 d change bit	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and re	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From	То	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From 0700	To 0700	Hndle Tools  THE DATE:  Duration	Safety med Drilled ove Drilled NW Drill NQ ro Very tight i Begin rear Pooh with	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From 0700	To 0700	Hndle Tools  THE DATE:  Duration  24hr	Safety med Drilled over Drilled NW Drill NQ ro Very tight is Begin rear Pooh with , Mechanica Unable to	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A
24 HOUR S From 0700	To 0700	Hndle Tools  THE DATE:  Duration  24hr	Safety med Drilled over Drilled NW Drill NQ ro Very tight is Begin rear Pooh with , Mechanica Unable to	eting with crew irburden with N casing from 9 ds from 33m to intervals from 4 ning with NW o NW casing and	IQ rods from m to 33m o 46m from to 46m sasing from 3 d change bit m rig, ( transn	Act Hole Fill  (0000 hrs  Eworking tight 9m to 33m  with clay sear 3m  , very tight,	hole, and remains and peb	Boiler Hrs: eaming bles of glacial	Till	N/A

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Flat bay	Test Hole #8					REPORT #:	20	DATE:	Oct 1	13th,2011
DEPTH 24:00:	33n	n	PROGRESS	: 67	m	Last 24 Hr Rot	tating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 78	0-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		sunny	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		12c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	IG FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM Condition						Filter Cake		Nozzle Vel		m/sec
Pulled For?						Sand (%) Solids (%)		PAI	JD & CHEMI	CALS
Meters						Oil (%)		Mud Cycle	22 G OI ILIVII	min
m/hr						Off (%) Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
	II					CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY	7	1	<u> </u>		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	Ой (ррііі)		Cystem voi.		1110
1		ax ez			<u></u>					
2						Mud Co.				
3						Mud Man		3		
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
	OPERATIONS T		DOWN			Water added		Mud Daily Cost		
				1		- Irraior added		-		
RU / TO		Survey		Move Ria		Losses		liviud Cum Cost		
RU / TO Drill w/ fluid		Survey		Move Rig Fishing		Losses WELL CON	ITROL	Mud Cum Cost	NTROL	
Drill w/ fluid		Logging		Fishing		WELL CON		SOLIDS CO	NTROL	N/A
				-			ITROL N/A		NTROL	N/A N/A
Drill w/ fluid Drill w/ air		Logging Run Casing		Fishing WO Materials		WELL CON		SOLIDS CO Shaker Make	NTROL Desilter	i i
Drill w/ fluid Drill w/ air Reaming		Logging Run Casing Cementing		Fishing WO Materials WO Services		WELL CON RSPP ST/Min	N/A	SOLIDS CO Shaker Make		N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole		Logging Run Casing Cementing WOC		Fishing WO Materials WO Services Safety Meeting		WELL CON RSPP ST/Min MACP(kPa)	N/A	SOLIDS CO Shaker Make Shaker Mesh	Desilter	N/A Centrifuge
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ		Logging Run Casing Cementing WOC NU BOP's		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping		Logging Run Casing Cementing WOC NU BOP's Test BOPs		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig		Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct13,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Oct13,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S	UMMARY FOR	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	, discussed i	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N	Q rods from	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event r transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	Q rods from	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event r transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to	Q rods from 3m to 58m o67m	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33	Q rods from 3m to 58m o67m	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to	Q rods from 3m to 58m o67m	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently o	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to Irilling NW rods	Q rods from 3m to 58m 67m s down to 66	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently o	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to	Q rods from 3m to 58m 67m s down to 66	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently o	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to Irilling NW rods	Q rods from 3m to 58m 67m s down to 66	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	N/A N/A N/A 2400 hrs) Event v transmissi	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently o	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to Irilling NW rods  K at 58m, drilled	Q rods from 3m to 58m o67m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E nstalling new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cement	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to Irilling NW rods  K at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cement	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cement	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	UMMARY FOR To 0700	Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Safety mee Drilled ove Drilled NW Drill NQ ro Currently c	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to drilling NW rods  k at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	UMMARY FOR To 0700	Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24hr	Safety mee Drilled ove Drilled NW Drill NQ ro Currently of Hit bedroot	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew rburden with N casing from 33 ds from 58m to Irilling NW rods  x at 58m, drilled	Q rods from 3m to 58m 667m s down to 66 d into bedroo	WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - E Installing new 33m to 58m m, to cemen	N/A N/A N/A 2400 hrs) Event v transmissi t casing	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A (to 24:00)

Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load:  Jts DP Racks  DP on Loc:	PROGRESS HOLE CND.: RIG / RIG #: K.B. ELEV.:	Connection Siz  DP size DC Conn:	1.00 °	Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	YNES	rain 12c  Dugh  Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel	Ave ROP: MOBILE NO.: 78 TOOLPUSH: T.P. MOBILE: PUMPS	kPa m/min m/min m/sec
OPER 09:00:  DAILY COST:  CUM COST: FORMATION:  Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:	HOLE CND.: RIG / RIG #: K.B. ELEV.:  Min ID	Connection Siz  DP size DC Conn:	1.00°	FOREMAN: H.H WEATHER: TEMP.: ROADS:  PRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	YNES TO	rain 12c Dugh  Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	MOBILE NO.: 78 TOOLPUSH: T.P. MOBILE: PUMPS	kPa m/min m/min m/sec ICALS min min min m3 m3
DAILY COST:  CUM COST: FORMATION:  Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:	RIG / RIG #: K.B. ELEV.:  Min ID	DP size DC Conn:	ze & Type  XXX	WEATHER: TEMP.: ROADS:  PRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	G FLUID	rain 12c  bugh  Pump No.  Make  Model Liner X Stk  SPM  Pump Rate Pump Press. Drillpipe AV  Drillcollar AV  Nozzle Vel  Mud Cycle Bottoms Up Tanks  Hole Volume System Vol.	TOOLPUSH: T.P. MOBILE: PUMPS	kPa m/min m/min m/sec ICALS min min min m3 m3
Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:	RIG / RIG #: K.B. ELEV.:  Min ID	DP size DC Conn:	ze & Type  XXX	TEMP.: ROADS:  DRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	G FLUID	Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	PUMPS  PUMPS	m/min m/min m/sec  ICALS min min m3 m3
Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:	Min ID	DP size DC Conn:	ze & Type  XXX	ROADS:    DRILLIN	G FLUID	Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	PUMPS	m/min m/min m/sec  ICALS min min m3 m3
Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:	Min ID	DP size DC Conn:	ze & Type  XXX	DRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	G FLUID	Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	ze & Type  XXX	Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES		Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	ASSEMBLY RATIONS TIM	Max OD  Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	ze & Type  XXX	Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES		Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	ze & Type  XXX	Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE # No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE / No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @  VOLUMES	M <sup>3</sup>	Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/min m/sec  ICALS min min m3 m3
WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/min m/sec ICALS min min m3 m3
RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	MU Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	m/sec  CALS  min min m3 m3
Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A  No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	JD & CHEMI	CALS min min m3 m3
Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Mud Cycle Bottoms Up Tanks Hole Volume System Vol.		min min m3 m3
Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Mud Cycle Bottoms Up Tanks Hole Volume System Vol.		min min m3 m3
m/hr Cum Hrs  BOTTOMHOLE A  No. Item  1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Bottoms Up Tanks Hole Volume System Vol.		min m3 m3
BOTTOMHOLE A  No. Item  1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Tanks Hole Volume System Vol.		m3 m3
BOTTOMHOLE A  No. Item  1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	M <sup>3</sup>	Hole Volume System Vol.		m3
No. Item  1 2 3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Ca (ppm)  Mud Co.  Mud Man  Mud Up @  VOLUMES	M <sup>3</sup>			
No. Item  1 2 3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Mud Co. Mud Man Mud Up @ VOLUMES	M <sup>3</sup>			
1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Mud Man Mud Up @ VOLUMES	M <sup>3</sup>	-		
3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Jts DP Racks DP on Loc:	DOWN	DC Conn:	ΚΧΧ	Mud Man Mud Up @ VOLUMES	M <sup>3</sup>	-		
BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	Jts DP Racks DP on Loc:	DOWN	DC Conn:	ΚΧΧ	Mud Up @  VOLUMES	M <sup>3</sup>	-		
Avail WOB:  Jts DP in hole:  DRILLING OPER RU / TO  Drill w/ fluid  Drill w/ air  Reaming  Rm Rathole  Cond / Circ  Tripping  Lubricate Rig  Repair Rig  Fishing	RATIONS TIM	Jts DP Racks DP on Loc:	DOWN	DC Conn:	ΚΧΧ	VOLUMES	M <sup>3</sup>	-		
Jts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	DP on Loc:	DOWN			<del> </del>	M <sup>3</sup>	1		
DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	IE BREAKI	DOWN	DP Conn:	ΚXX	<del> </del>	$M^3$			
DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	RATIONS TIM	IE BREAKI	DOWN			<del> </del>				
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing						Water added		Mud Daily Cost		
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing				Move Rig		Losses		Mud Cum Cost		-
Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Logging		Fishing		WELL CON	ITROL	SOLIDS CON	NTROL	
Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Tripping Lubricate Rig Repair Rig Fishing	1	WOC		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Lubricate Rig Repair Rig Fishing		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Repair Rig Fishing		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Fishing		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
		DST				Calc Hole Fill		Hours/Days	N/A	N/A
OA LIGHT CHIMM		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR SUMM	IARY FOR TH	HE DATE :	Oct14,201	1		(0000 hrs -	2400 hrs)			
From	То	Duration				E	vent			
0700	0700	24hr		eting with crew, o						
				b went good, wa		nt prior to dril	ll out for 8hr	S		
				, tagged cement						
			Drilled cem	nent from 62m to	67m					
				est up to 500 psi		s, good test				
				ds from 67m to 1 drilling ahead fror						
			Currently C	aniling anead from	111145111					
										-
										-
24 HOUR Forcas										
Drill ahead, recov	st:									•

Valca	ii wiiiei ai							DAI		
Flat bay	Test Hole #8					REPORT #:	22	DATE:	Oct	15th,2011
DEPTH 24:00:	148r	n	PROGRESS	: 208	8m	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 78	80-667-8775
			LIQUE CND :			WEATHER:	TIVEO	rain		50-007-0775
DAILY COST:			HOLE CND.:					8c	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)					1.00	Depth(m)		Make		
, ,								II		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition								NOZZIE VEI		111/300
						Sand (%)			ID 0 CHEM	1041.0
Pulled For?						Solids (%)		1	JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
	•					CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBLY	,				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	Ой (ррііі)		System voi.		IIIO
	item	IVIAX OD	טו וווווו	Connection	size & Type	4				
1						4				
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
				DD 0	XXX	VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	$\wedge \wedge \wedge$					
						<del></del>				
DRILLING (	OPERATIONS TI	ME BREAK	DOWN			Water added		Mud Daily Cost		
DRILLING (	OPERATIONS TI	ME BREAK	DOWN	Move Rig		<del></del>		Mud Daily Cost Mud Cum Cost		
RU / TO	OPERATIONS TI	Survey	DOWN	_		Water added Losses		Mud Cum Cost	NTROL	
RU / TO Drill w/ fluid	OPERATIONS TI	Survey Logging	DOWN	Fishing		Water added Losses WELL CON	ITROL	Mud Cum Cost SOLIDS CO	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air	OPERATIONS TI	Survey Logging Run Casing	DOWN	Fishing WO Materials		Water added Losses WELL CON		Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS TI	Survey Logging Run Casing Cementing	DOWN	Fishing WO Materials WO Services		Water added Losses WELL CON RSPP ST/Min	ITROL N/A	Mud Cum Cost SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		Water added Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		Water added Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL N/A N/A	Mud Cum Cost  SOLIDS CO  Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS TI	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools	Oct15,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	ITROL N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	ITROL N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools	Oct15,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	, discussed	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	ITROL N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to	r, discussed of 208m	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo Hole Fill Colo Hole Fill	ITROL N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	Oct15,201 Safety mee drill nq rod: Still in anhy	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crews s from 148m to ydrate at 208m	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24hr	Oct15,201  Safety mee drill nq rod: Still in anhy Due to gov	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew s from 148m to ydrate at 208m rernment regula	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	0700	Survey Logging Run Casing Cementing WOC NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration 24hr	Oct15,201  Safety mee drill nq rod: Still in anhy Due to gov	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1  eting with crew s from 148m to ydrate at 208m rernment regula	v, discussed of 208m	Water added Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill G0000 hrs -	N/A N/A N/A N/A 2400 hrs) Event acement	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

vuica	n wiinera	13						DAI	LY DRILL	ING REPORT
Flat bay	Test Hole #5					REPORT #:	22	DATE:	Oct	16th,2011
DEPTH 24:00:			PROGRESS	s: 15.0	0 m	Last 24 Hr Rot			Ave ROP:	, -
OPER 09:00:					· · · ·	FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TNES	rain	TOOLPUSH:	50-007-0775
								8c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
						PV				
Nozzles								Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Cuili HIS	1							Hole Volume		
DOTTO	01 = 400=			_[		CI (ppm)				m3
	OLE ASSEMBL		T :-	10		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	•	Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1 '				
							M <sup>3</sup>			
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	1477	Vol UF (I/min)	N/A	N/A
		Test BOPs		Install Wellhead		II	N/A	. ,	N/A	N/A
Tripping				mstali welineau		Act Hole Fill	IN/A	U.F. (kg/m3)		
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE :	Oct16.201	1		(0000 hrs -	2400 hrs)			
From	To	Duration					Event			
0700	0700	24hr		eting with crew	. discussed			ines		
3, 30	0.00	2.111		g out rig float n						
				ith tractor and			on idealier			
				np and string o						
			drill over-	np and string d irden nw casin	a from 0 4-	15m				
			unii overbl	inden riw casin	y nom to	ווטוו				
			currently d	rilling ahead@	25m					
				<del></del>	<del></del>	<del></del>		<del></del>	<del> </del>	
	-									
24 HOUR F	orcast :									
drill ahead										

	n wiinera	13						DAI	ie i bittiee	ING REPORT
Flat bay	Test Hole #5					REPORT #:	22	DATE:	Oct	17th,2011
DEPTH 24:00:	15r	n	PROGRESS	: 61	lm	Last 24 Hr Rot			Ave ROP:	. , -
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TIVEO	rain	TOOLPUSH:	50-001-0115
								8c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	re	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
-						Mud Grad		Liner X Stk		
Type						III				
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		МІ	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle	<u> </u>	min
m/hr						1 ' '				
						Pf/Mf		Bottoms Up		min
Cum Hrs	I					MBT		Tanks		m3
				<u>                                     </u>		CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBL					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man		1 pail 1200	)	
BHA Length:		Hook Load:		DP size	XXX	Mud Up @		. pa 1200		
Avail WOB:		Jts DP Racks		DC Conn:	XXX	Ivida op @				
Avaii WOB.		JIS DE RACKS		DC COIII.			3	-		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITPOL	SOLIDS CO	NTPOL	
				WO Materials		RSPP	N/A	Shaker Make	HINOL	N/A
Drill w/ air		Run Casing				III	IN/A	II		_
Reaming		Cementing		WO Services		ST/Min	N1/A	Shaker Mesh		N/A
Rm Rathole				Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
		woc							NI/A	
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Cond / Circ Tripping				Mix mud Install Wellhead		Calc Hole Fill Act Hole Fill	N/A	Vol UF (I/min) U.F. (kg/m3)	N/A	N/A
		NU BOP's				III	N/A	. ,		
Tripping		NU BOP's Test BOPs				Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Tripping Lubricate Rig		NU BOP's Test BOPs Drill Out Cmt				Act Hole Fill Lst BOP Drill:	N/A	U.F. (kg/m3) O.F. (kg/m3)	N/A N/A	N/A N/A
Tripping Lubricate Rig Repair Rig Fishing		NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	0.417.001	Install Wellhead  Total Hrs		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill		U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S	SUMMARY FOR	NU BOP'S Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:		Install Wellhead  Total Hrs		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration		Install Wellhead  Total Hrs		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -		U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S		NU BOP'S Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:	Safety mee	Install Wellhead  Total Hrs  1 eting with crew		Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety mee	Total Hrs  1 eting with crew	g from 15m t	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety mee drill overbu move pum	Total Hrs  1 eting with crewarden nw casin p shack to new	g from 15m t	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety mee drill overbu move pum pooh chan	Total Hrs  1 eting with crewarden nw casin p shack to new ge shoe bit	g from 15m t v water hole	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to	g from 15m to water hole	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to	g from 15m to water hole	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir	Total Hrs  1 eting with crewarden nw casin p shack to new ge shoe bit	g from 15m to water hole	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to	g from 15m to water hole	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	То	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing  24 HOUR \$ From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A
Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	To 0700	NU BOP'S Test BOPS Drill Out Cmt DST Hndle Tools  THE DATE:  Duration	Safety med drill overbu move pum pooh chan ream casir drill overbu	Total Hrs  1  eting with crew arden nw casin p shack to new ge shoe bit g from 22m to arden nw casin to arden nw casin	g from 15m to v water hole 30m g from 30 to	Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs - Epinch points to 30m	2400 hrs)	U.F. (kg/m3) O.F. (kg/m3) Hours/Days	N/A N/A	N/A N/A N/A

Flat bay	Test Hole #5					REPORT #:	23	DATE:	Oct	18th,2011
DEPTH 24:00:	15m		PROGRESS	: 61	1m	Last 24 Hr Rot	ating Time:		Ave ROP:	·
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		good	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		12c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
						1.12.12.2				
	BIT PERFOR	MANCE		1		DRILLIN	G EL LIID	1	PUMPS	1
Bit No.	BITTERIOR	MANCE			1.00 °	Time	G I LUID	Pump No.	r OWIT 3	,
Size (mm)					1.00	Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
	1					CI (ppm)		Hole Volume		m3
ВОТТОМН	OLE ASSEMBLY		•			Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1	
1					syps					
2						Mud Co.				
3						Mud Man		3 pail 1200	)	
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
	OPERATIONS TI	l e		DI COIIII.	7000	102020		-		
			$\square \cap W N$			Motor added		Mud Daily Cost		
	OPERATIONS TI		DOWN	Move Pig		Water added		Mud Daily Cost		
RU / TO	OPERATIONS III	Survey	DOWN	Move Rig		Losses	ITROI	Mud Cum Cost	NTROI	
RU / TO Drill w/ fluid	OPERATIONS III	Survey Logging	DOWN	Fishing		Losses WELL CON		Mud Cum Cost SOLIDS CO	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air	OFERATIONS III	Survey Logging Run Casing	DOWN	Fishing WO Materials		Losses WELL CON RSPP	I <b>TROL</b> N/A	Mud Cum Cost  SOLIDS COI  Shaker Make	NTROL	N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS TI	Survey Logging Run Casing Cementing	DOWN	Fishing WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	Mud Cum Cost SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS TI	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa)		Mud Cum Cost  SOLIDS COI  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		Losses  WELL CON  RSPP  ST/Min  MACP(kPa)  Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Fishing WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:	Oct18,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs	, discussed	LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:	Oct18,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		Losses  WELL CON  RSPP  ST/Min  MACP(kPa)  Calc Hole Fill  Act Hole Fill  Lst BOP Drill:  Calc Hole Fill  Act Hole Fill  Act Hole Fill  Act Hole Fill  County Hole Fill  County Hole Fill  County Hole Fill  County Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	ng from 61m	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct18,201 <sup>2</sup> Safety mee Drill overbu Drill overbu	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew urden nw casir	ng from 61m from 78m to	Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Colo hrs - Ediving to and to 78m	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

	ir willerar									101 COLL
	Test Hole #5		1		\	REPORT #:	23	DATE:		19th,2011
DEPTH 24:00:	61m	<u> </u>	PROGRESS	: 82	2m	Last 24 Hr Rot			Ave ROP:	20.007.077
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		good 12c	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				
1					-	1				
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
	OPERATIONS TI	1	DOWN.	Di Coini.	7000	╡┝────		Maril Daile Cart		
RU/TO	OPERATIONS II		DOWN	Maria Dia		Water added		Mud Daily Cost		
		Survey		Move Rig		Losses	TDOL	Mud Cum Cost	NTROL	
Drill w/ fluid		Logging		Fishing		WELL CON	N/A	SOLIDS CO	NIKUL	N/A
Drill w/ air		Run Casing		WO Materials		RSPP	IN/A	Shaker Make		_N/A N/A
Reaming		Cementing		WO Services Safety Meeting		ST/Min	N/A	Shaker Mesh	Dociltor	
Rm Rathole Cond / Circ		WOC NU BOP's		Mix mud		MACP(kPa) Calc Hole Fill	IN/A	Val HE (I/min)	Desilter N/A	Centrifuge N/A
				Install Wellhead			N/A	Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		instali vvelinead		Act Hole Fill	IN/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt DST				Lst BOP Drill: Calc Hole Fill		O.F. (kg/m3) Hours/Days	N/A	N/A
Repair Rig									IN/A	
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY FOR T		Oct19,201	1		(0000 hrs -				
From	То	Duration					vent			
0700	0700	24hr		eting with crew		muddy location	on.			
				ole is drilled to						
				occurred with r						
			Eqipment v	vent down at 0	0400 hrs on 1	the 19th				
	-		0	- 141	L					
			Currently w	aiting on mec	nanic or nev	v parts				
	-									
24 HOUR F										
waiting on i	repacement parts									

										ING REPORT
	Test Hole #5		1		)	REPORT #:	24	DATE:	1	20th,2011
DEPTH 24:00:	61m		PROGRESS	: 82	2m	Last 24 Hr Rota			Ave ROP:	
OPER 09:00:			T			FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		good 12c	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	rc	ough		
	BIT PERFOR	MANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
				<u>                                     </u>		CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
DRILLING	OPERATIONS TI	ME BREAKI	OOWN			Water added		Mud Daily Cost		
RU/TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	TROI	SOLIDS CO	NTROI	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min	14//	Shaker Mesh		N/A
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A	Chanci Moon	Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY FOR T	•	Oct 20 201	•		(0000 hrs - 2	2400 brc)	<u>., </u>		(
From	To	Duration	001 20,201	1			vent			
0700	0700	24hr	mechanic	is arriving at 1	900hr to fix i		Vent			
0700	0700	2-1111	meenanie	is arriving at 1	OOOTH TO HA	STODICITI				
			Currently w	aiting on med	hanic or nev	/ parts				
				<del>`</del>						
						·				
24 HOUR F	orcast :							<del></del>		
	epacement parts									
_	•									

	Test Hole #5					DEDODT #	25	DATE:	Oct	21th 2011
DEPTH 24:00:	61r	n	PROGRES	s· 8'	2m	REPORT #: Last 24 Hr Rota		DATE:	Ave ROP:	21th,2011
OPER 09:00:	311		INJUNES	J. 02	-111	FOREMAN: H.HY			MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	INLO	good	TOOLPUSH:	00-001-0113
CUM COST:						TEMP.:		12c		
FORMATION:			RIG / RIG #: K.B. ELEV.:			ROADS:	r	ough	T.P. MOBILE:	
FORWATION.			K.B. ELEV			ROADS.	- 10	Jugii		
	BIT PERFO	DMANCE		1		DRILLING	2 EL LIID		PUMPS	1
Bit No.	BIT FERFO	RIVIANCE			1.00 °	Time	FLUID	Pump No.	FUIVIFS	•
Size (mm)					1.00	Depth(m)		Make		
Mfg.						Density		Model		
viig. Гуре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
NOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)		I VOZZIE VEI		11// 300
Pulled For?						Solids (%)		MI	JD & CHEM	ICALS
Juliea For? Meters						Oil (%)			JU G CHEIN	min
vieters m/hr						Oli (%) Pf/Mf		Mud Cycle		
m/nr Cum Hrs								Bottoms Up		min m3
Juiii mrS	I					MBT CL(nnm)		Tanks		m3 m3
POTTON	OLE ACCEMBLY	<u> </u>	1			CI (ppm)		Hole Volume		
	OLE ASSEMBL		Min ID	Connecticus	Ciao O T	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection	Size & Type	-				
1										
2						Mud Co.				
3					V/V/	Mud Man				
3HA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX		2	4		
Its DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ΓROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY FOR	THE DATE :	Oct 21 20	<u> </u>		(0000 hrs - 2	400 hrs)			,
From	To	Duration					/ent			
0700	0700	24hr		hange motor d	lue to warren					
			J			.,				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
			Currently	waiting on new	motor to arri	ive to install				
4 HOUR F	Forcast:		Currently	waiting on new	motor to arri	ive to install				
24 HOUR F	Forcast :	5	Currently	waiting on new	motor to arri	ive to install				

Flat bay	Test Hole #5					REPORT #:	26	DATE:	Oct	22th,2011
DEPTH 24:00:	61m		PROGRESS	s: 82	2m	Last 24 Hr Rota	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	THEO	good	TOOLPUSH:	00 007 0770
								12c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFOR	MANCE				DRILLIN	G FLUID		PUMPS	1
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
						PV				
Nozzles								Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	IICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Cuili His										
DOTTO	OLE 400=115: **					CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY	I	I :=	To	<u> </u>	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	_				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1				
							M <sup>3</sup>			
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M			
DRII I ING	ABED ATIONS TO		2014/21							
DIVILLING	OPERATIONS TI	NE RKFAKI	DOWN			Water added		Mud Daily Cost		
RU / TO	OPERATIONS III	ME BREAKI Survey	DOWN	Move Rig		Water added Losses		Mud Daily Cost Mud Cum Cost		
RU / TO	OPERATIONS III	Survey	DOWN	Move Rig		Losses	TROL	Mud Cum Cost	NTROL	
RU / TO Drill w/ fluid	OPERATIONS III	Survey Logging	DOWN	Fishing		Losses WELL CON		Mud Cum Cost SOLIDS CO	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air	OPERATIONS III	Survey Logging Run Casing	DOWN	Fishing WO Materials		Losses WELL CON RSPP	TROL N/A	Mud Cum Cost  SOLIDS COI  Shaker Make	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS III	Survey Logging Run Casing Cementing	DOWN	Fishing WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	Mud Cum Cost SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS III	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		Losses  WELL CON RSPP ST/Min MACP(kPa)		Mud Cum Cost  SOLIDS COI  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's	JOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		LOSSES WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Fishing WO Materials WO Services Safety Meeting		Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		LOSSES WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	Jown	Fishing WO Materials WO Services Safety Meeting Mix mud		Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS III	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	Jown	Fishing WO Materials WO Services Safety Meeting Mix mud		Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Rearning Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Rearning Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE:	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill CO000 hrs - 2	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill County Fi	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	lue to warrer	Losses  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Calc Hole Fill County Fi	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	SUMMARY FOR T To 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  HE DATE: Duration	Oct 22,201 Going to ct	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  1		Losses  WELL CON  RSPP ST/Min  MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Still Act Hole Fill  (0000 hrs - :	N/A N/A N/A	Mud Cum Cost SOLIDS COI Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A  Centrifuge N/A N/A N/A N/A N/A

- <del> </del>	n wiinerai							D/ (	ILY DRILL	
Flat bay	Test Hole #5					REPORT #:	27	DATE:	Oct2	23th,2011
DEPTH 24:00:	82n	n	PROGRESS	s: 91	lm	Last 24 Hr Rot	ating Time:		Ave ROP:	, -
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		good	TOOLPUSH:	30 00. 00
CUM COST:			RIG / RIG #:			TEMP.:		10c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	r	ough	T.P. WOBILE.	
TORWATION.			N.D. LLLV			NOADO.	- '	Jugn		1
	DIT DEDEC	D144110E		1		T BBU LIN	0 51 1115	1	DUMBO	
	BIT PERFO	RMANCE			4.00.0	DRILLIN	G FLUID	1	PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		M	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY	<u> </u>				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				
1					71					
2						Mud Co.				
3						Mud Man				
BHA Length:	JI.	Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1				
					vvv	VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
	OPERATIONS T		DOWN	1	T	Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		50. 0		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Test BOPs								
Edbridate rtig						Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		Test BOPs				Lst BOP Drill: Calc Hole Fill		O.F. (kg/m3) Hours/Days	N/A N/A	
_		Test BOPs Drill Out Cmt		Total Hrs		II				N/A
Repair Rig Fishing	SUMMARY FOR	Test BOPs Drill Out Cmt DST Hndle Tools	Oct 23.201			Calc Hole Fill Act Hole Fill	2400 hrs)	Hours/Days		N/A N/A
Repair Rig Fishing 24 HOUR S	SUMMARY FOR TO	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE:				Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	Hours/Days		N/A N/A
Repair Rig Fishing	SUMMARY FOR TO	Test BOPs Drill Out Cmt DST Hndle Tools		11	and on site s	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee			Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee	eting with crew	m to 91m	Calc Hole Fill Act Hole Fill (0000 hrs -	vent	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From	То	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From  0700	To 0700	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From 0700	To 0700	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)
Repair Rig Fishing  24 HOUR S From  0700	To 0700	Test BOPs Drill Out Cmt DST Hndle Tools THE DATE: Duration	safety mee Drill overb Pull out of	eting with crew burden from 82 hole, change o	m to 91m out shoe bit	Calc Hole Fill Act Hole Fill (0000 hrs -	event discussed th	Hours/Days Boiler Hrs:	N/A	N/A N/A (to 24:00)

vuica	n wiinera	13						DA	ILY DRILL	ING REPORT
Flat bay	Test Hole #5					REPORT #:	28	DATE:	Oct	24th,2011
DEPTH 24:00:	911	n	PROGRESS	s: 11;	8m	Last 24 Hr Rot			Ave ROP:	
OPER 09:00:	0				····	FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TNES	good	TOOLPUSH:	50-007-0775
								8c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	re	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
						PV		II		
Nozzles								Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		M	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Ouiii Filă	1							Hole Volume		
				1		CI (ppm)				m3
	OLE ASSEMBL			1 -		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1 '				
							M <sup>3</sup>			
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS T	<b>IME BREAK</b>	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	1477	Vol UF (I/min)	N/A	N/A
				Install Wellhead		II	N/A	` '	N/A	N/A
Tripping		Test BOPs		Install Wellneau		Act Hole Fill	IN/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing	<u> </u>	Hndle Tools		Total Hrs	<u> </u>	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE :	Oct 24.20			(0000 hrs -	2400 hrs)			<u> </u>
From	To	Duration				•	Event			
0700	0700	24hr		eting with crew	and on site			ne safety of dr	iving to and	from location
3, 30	0.00	2.111		ourden from 91		- 3001110101010		caroty or ar	g to und	
				hole, change of						
				noie, change on from 81m to						
				asing from 91m						
	-		וווזע ro	ds from 103m	เบาาชท					
			Currently	drilling NW cas	sing down to	118m to set	casing 9m	of bedrock		
							-			
04110115										
24 HOUR F										
cement and	wait on									

vuica	n wiinerai	3						DAI	LY DRILL	ING REPORT
Flat bay	Test Hole #5					REPORT #:	29	DATE:	Oct	25th,2011
DEPTH 24:00:	91n	1	PROGRESS	s: 118	8m	Last 24 Hr Rot			Ave ROP:	, -
OPER 09:00:	• • • • • • • • • • • • • • • • • • • •	•			····	FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TNES	good	TOOLPUSH:	50-007-0775
								8c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV				
								Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Culli His										
				<u> </u>		CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY		1	T -		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1 '				
							M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS T	ME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A	Onator Ween	Desilter	Centrifuge
							IN/A	\/a        ( /min)	N/A	N/A
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	NI/A	Vol UF (I/min)		
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE .	Oct 25 201			(0000 hrs -	2400 hrs)			
From	To	Duration	00, 20,201	1 1		•	Event			
0700	0700	24hr	cafety man	eting with crew	and on cita			ne weather co	nditions	
0700	0700	Z4III		drilled down to			มเอบนออ <del>ย</del> น โโ	ic weather col	101110115	
					i i sili with N	vv casing				
			9m in bedr			:	-4			
	-		Getting rea	ady to cement of	casing and v	vait on cemer	IL			
					-	-			-	
										-
	-		-							
	-									
24 HOUR F										
cement and	wait on	_	_			_				
<u></u>										
										_

Flat bay Test  DEPTH 24:00:  OPER 09:00:  DAILY COST:  CUM COST:  FORMATION:  Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No.  Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From 0700	BIT PERFO	PMANCE  Y  Max OD  Hook Load:  Jts DP Racks  DP on Loc:	PROGRES: HOLE CND.: RIG / RIG #: K.B. ELEV.:	Connection S  DP size DC Conn: DP Conn:	XXX	REPORT #: Last 24 Hr Rota FOREMAN: H.H' WEATHER: TEMP.: ROADS:  DRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @  VOLUMES	g FLUID	good 8c  Dugh  Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume System Vol.	Oct Ave ROP: MOBILE NO:: 7 TOOLPUSH: T.P. MOBILE:  PUMPS  JD & CHEM	kPa m/min m/min m/sec
OPER 09:00:  DAILY COST:  CUM COST:  FORMATION:  Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	BIT PERFO	PMANCE  Y  Max OD  Hook Load:  Jts DP Racks  DP on Loc:	HOLE CND.: RIG / RIG #: K.B. ELEV.:  Min ID	Connection S  DP size DC Conn:	1.00 °	FOREMAN: H.H' WEATHER: TEMP:: ROADS:  DRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	g FLUID	Bc Dugh Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel Mud Cycle Bottoms Up Tanks Hole Volume	MOBILE NO.: 7 TOOLPUSH: T.P. MOBILE: PUMPS	kPa m/min m/min m/sec MICALS min min m3 m3
DAILY COST: CUM COST: FORMATION:  Bit No. Size (mm) Mfg. Type Serial # Nozzles From (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	E ASSEMBL'	Y Max OD Hook Load: Jts DP Racks DP on Loc:	RIG/RIG#: K.B. ELEV.:  Min ID	DP size DC Conn:	Size & Type  XXX  XXX	WEATHER: TEMP.: ROADS:  DRILLIN Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	G FLUID	Bc Dugh Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel Mud Cycle Bottoms Up Tanks Hole Volume	TOOLPUSH: T.P. MOBILE: PUMPS	kPa m/min m/min m/sec MICALS min min m3 m3
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Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 IBHA Length: Avail WOB: Jts DP in hole: DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @		Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/min m/sec  IICALS min min m3 m3
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Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/min m/sec  IICALS min min m3 m3
From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No.   Item 1	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Pump Rate Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/min m/sec  IICALS min min m3 m3
To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPER RU / TO Drill w/ fluid Drill w/ fluid Pulled For? Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Gels pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Pump Press. Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/min m/sec  IICALS min min m3 m3
Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No.   Item 1	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	pH WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Drillpipe AV Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/min m/sec  IICALS min min m3 m3
WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB: DRILLING OPEF RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	WL (cc's) Filter Cake Sand (%) Solids (%) Oil (%) Pf/Mf MBT Cl (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Drillcollar AV Nozzle Vel  Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	m/min m/sec IICALS min min m3 m3
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Condition Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE A No. Item 1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPER RU / TO Drill w/ fluid Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Sand (%) Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm) Mud Co. Mud Man Mud Up @	2	Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	min min m3 m3
Pulled For? Meters m/hr Cum Hrs  BOTTOMHOLE No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Solids (%) Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	2	Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	min min m3 m3
Meters m/hr Cum Hrs  No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	2	Mud Cycle Bottoms Up Tanks Hole Volume	JD & CHEM	min min m3 m3
BOTTOMHOLE AND Item  1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Oil (%) Pf/Mf MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	2	Bottoms Up Tanks Hole Volume		min m3 m3
BOTTOMHOLE / No. Item 1 2 3 BHA Length: Avail WOB:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	MBT CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	2	Tanks Hole Volume		m3 m3
BOTTOMHOLE No. Item  1 2 3 BHA Length: Avail WOB:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	CI (ppm) Ca (ppm)  Mud Co. Mud Man Mud Up @	2	Hole Volume		m3
No. Item  1 2 3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Ca (ppm)  Mud Co.  Mud Man  Mud Up @	2			
No. Item  1 2 3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	m	Max OD  Hook Load:  Jts DP Racks  DP on Loc:		DP size DC Conn:	XXX	Mud Co. Mud Man Mud Up @	2	System Vol.		m3
1 2 3 BHA Length: Avail WOB: Jts DP in hole: DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From		Hook Load: Jts DP Racks DP on Loc:		DP size DC Conn:	XXX	Mud Co. Mud Man Mud Up @	2			
2 3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	RATIONS T	Jts DP Racks DP on Loc:		DC Conn:	XXX	Mud Man Mud Up @	2			
3 BHA Length: Avail WOB:  Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	RATIONS T	Jts DP Racks DP on Loc:		DC Conn:	XXX	Mud Man Mud Up @	2			
BHA Length: Avail WOB: Jts DP in hole: DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From	RATIONS T	Jts DP Racks DP on Loc:		DC Conn:	XXX	Mud Up @	3			
Avail WOB:  Jts DP in hole:  DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	RATIONS T	Jts DP Racks DP on Loc:		DC Conn:	XXX		3			
Uts DP in hole:  DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	RATIONS T	DP on Loc:				VOLUMES	•			
DRILLING OPER RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From	RATIONS T			DP Conn:		VOLUMES	2			
DRILLING OPEF RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM	ERATIONS T			DI COIIII.	XXX		$M^3$			
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From	ENATIONS I	INIE BUENKI	DOWN.		7001	Water added		Mud Daily Coat		
Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From		Survey	DOWN	Move Rig		Losses		Mud Daily Cost Mud Cum Cost		
Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From		-				WELL CON	TPOL	SOLIDS COI	NTPOL	
Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From		Logging Run Casing		Fishing WO Materials		RSPP	N/A	Shaker Make	HINOL	N/A
Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR SUMM From		Cementing		WO Services		ST/Min	14/75	Shaker Mesh		N/A
Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From		WOC		Safety Meeting		MACP(kPa)	N/A	OHARCI WC3H	Desilter	Centrifuge
Tripping Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Lubricate Rig Repair Rig Fishing  24 HOUR SUMM From		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Repair Rig Fishing  24 HOUR SUMM From		Drill Out Cmt		mstan wenneau		Lst BOP Drill:	14//	O.F. (kg/m3)	N/A	N/A
24 HOUR SUMM From		DST				Calc Hole Fill		Hours/Days	N/A	N/A
24 HOUR SUMM From		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:	14//	(to 24:00)
From								bollet Fils.		(10 24.00)
				11		(0000 hrs - 2				
0700	То	Duration					vent			
	0700	24hr		eting with crew						
				casing is ceme						
				al problem with			arive at 220	unrs		
				ent part arrive		l				
				up and running						
			SHOULD DE	up and runnin	y at 2300ms	•				
24 HOUR Forcas										
cement and wait	act ·									
Ament and Wall										

vuica	n wiinera	12						DAI	LY DRILL	ING REPORT
Flat bay	Test Hole #5					REPORT #:	30	DATE:	Oct	27th,2011
DEPTH 24:00:	118	m	PROGRESS	s: 14	8m	Last 24 Hr Rot	ating Time:		Ave ROP:	. , -
OPER 09:00:		•••			····	FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TNES	rain	TOOLPUSH:	50-007-0775
								8c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV				
						II		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Cuiii i ii S	I							Hole Volume		
DOTTOR	01 E 400ENE:	<u> </u>	1			CI (ppm)				m3
	OLE ASSEMBL		la di Lina	Io	· · · · ·	Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	1		6 bags of po	rtland	
1								2 pails of DD 12	200	
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
					VVV	VOLUMES	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Tripping				mstali vveimeau		II	IN/A		N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs	<u> </u>	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE :	Oct 27.201			(0000 hrs -	2400 hrs)			
From	То	Duration				_	vent			
0700	0700	24hr		eting with crew	and on site			ell control with	n deverter	
2.00	2.00	2	Prior to dri		2 2				22.2	
				ment at 113m						
				nent from 113n	n to 119m					
				est deverter up		r 10mins tos	et was acod			
				rods from 118		n romins, tes	n was youd			
	-		nilled NQ	1005 110111 1118	111 to 148M					
	-									
	I		Currently of	drilling ahead fo	rom 148m	-		<del></del>	-	
			l ,	<u>-</u>						
24 110115 5	'araaat :									
24 HOUR F										
Drill ahead	and recover core	)								

	n wiinera	13				T		DAI	LT DRILL	ING REPOR
Flat bay	Test Hole #5					REPORT #:	31	DATE:	Oct	28th,2011
DEPTH 24:00:	148	m	PROGRESS	s: 350	0m	Last 24 Hr Rot	ating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		rain	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		8c	T.P. MOBILE:	
FORMATION:		-	K.B. ELEV.:		-	ROADS:	r	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	3
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
туре Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		II		
						YP		Pump Eff.		
From (mKB)								Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
VOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)			ID 0 0::=-	UCAL O
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
				<u> </u>		CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBL					Ca (ppm)		System Vol.	<u> </u>	m3
No.	Item	Max OD	Min ID	Connection S	Size & Type			6 bags of po	rtland	
1								2 pails of DD 12	00	
2						Mud Co.				
3						Mud Man				
3HA Length:	11	Hook Load:	- I	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	1				
						VOLUMES	M <sup>3</sup>	1		
Its DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	IVI			
DRILLING	OPERATIONS T	<u>IME BREAK</u>	DOWN	1		Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
ubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishina		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
- 3	NIMAMA DV 505		0-1.00.00	1	1		0400 ! '			(10 24.00)
	SUMMARY FOR			<u> 11</u>		(0000 hrs -				
From	To	Duration			1		ent			
0700	0700	24hr		eting with crew		supervisiors (	discussed d	riving through	town to loca	ation
				ds from 148m						
				vernment regula		orders to co	ntonue to d	rill deeper		
			Drill NQ ro	ds from 300m	to 350m					
			At 350m s	till in massive a	anhydrate					
							-			
								-		
			Currently r	preparing to pu	II rods and c	ement to surf	ace	-		
			1							
24 HOUR F	orcast :									
	ս ոս օսե									
Cement and										

Taioa	ii wiiilei ai								ET DIVILL	ING REPORT
Flat bay	Test Hole #5					REPORT #:	32	DATE:	Oct	29th,2011
DEPTH 24:00:			PROGRESS			Last 24 Hr Rot	tating Time:		Ave ROP:	
OPER 09:00:						FOREMAN: H.H			MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		snow	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		2c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	r	ough	T.P. WOBILE.	
FORWATION.			N.D. ELEV			RUADS.	1	Jugii		T
						-0				
	BIT PERFO	RMANCE				DRILLIN	IG FLUID		PUMPS	
Bit No.					1.00°	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Туре						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						ΥP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)				m/min
` '						, ,		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)			ID 0 011511	1041.0
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY	<i>'</i>		-		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type			36 bags of p	ortland	
1						1				
2						Mud Co.				
3		+				Mud Man				
		111-11-		DD -i	XXX	Mud Up @				
BHA Length:		Hook Load:		DP size	XXX	Iviud Op @				
Avail WOB:		Jts DP Racks		DC Conn:		-	3	4		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
DRILLING (	OPERATIONS TI	ME BREAKI	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROI	SOLIDS CO	NTROI	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min	14/75	Shaker Mesh		N/A
_		WOC		Safety Meeting		III	N/A	Shaker Mesh	Dociltor	Centrifuge
Rm Rathole				, ,		MACP(kPa)	IN/A		Desilter	
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	NI/A	Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR	THE DATE :	Oct 29.201	1		(0000 hrs -	2400 hrs)			
From	То	Duration				•	Event			
0700	0700	24hr	safetv mee	ting with crew	and on site			ood communic	cation opera	ting tractor
		,		ent job, cemer			9			J
				to demobe to						
						d on flathed	to demohe i	n the morning		
			Jima oquipi		4.150 10 104	on habed		a.o moning		
			Move to ne	xt location in t	ne am with l	arvey Gale				
24 HOUR F	orcast :									
moving rig										

vuica	n wiinera	13				T.		DA	ILY DRILL	ING REPORT
Flat bay	Test Hole #8					REPORT #:	33	DATE:	Oct	30th,2011
DEPTH 24:00:	208	m	PROGRESS	s: 21	1m	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			•			FOREMAN: H.H	YNES		MOBILE NO.: 7	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		snow	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		2c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.	DITT EIG O	KIIIAITOL		1	1.00 °	Time	I LOID	Pump No.	1 01111 0	<u>'</u>
Size (mm)					1.00	Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)		TVOZZIC VCI		111/000
Pulled For?						Solids (%)		М	UD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle	a Cilcivi	min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Cummis	I					CI (ppm)		Hole Volume		m3
BOTTOMU	OLE ASSEMBL	v	1			Ca (ppm)				m3
No.		Max OD	Min ID	Connection S	Sizo & Typo	Ca (ppm)		System Vol.		III3
1	Item	IVIAX OD	IVIIII ID	Connection	size & Type	-				
2			+			Mud Co				
3			+			Mud Co. Mud Man				
		111-1		DD -i	XXX	<del>-</del>				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:			3	-		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M <sup>3</sup>			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR	THE DATE :	Oct 30 202	11		(0000 hrs -	2400 hrs)	-1		
From	To	Duration				_	Event			
0700	0700	24hr		eting with crew	and on site			ne importance	of moving h	eavy equipment
0,00	0.00	2		g to new locati		superviolere (	aloodooda ti	io importance	or moving n	cary equipment
				ment into test						
				ipment to reen		#8 to drill de	eper			
			Run NO ro	ds to 208m		2 .3 G.III GO	- r - ·			
				ds to 211m						
			Currently	drilling ahead fr	om 211m					
24 HOUR F	orcast :									
	to find congloera	te								

Taioa	ii wiiilei ai									ING REPORT
Flat bay	Test Hole #8					REPORT #:	34	DATE:	Oct	31st,2011
DEPTH 24:00:	211r	n	PROGRESS	: 349	9m	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			•			FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		cold	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		5c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
						1.101.12		1		
	BIT PERFOI	DMANCE		1		DRILLIN	G FLUID	1	PUMPS	
Dit No.	BII PERFUI	RIVIANCE	T		1.00 °		G FLUID	- N	PUNIFS	
Bit No.					1.00	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBLY	<b>′</b>				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1						1				
2						Mud Co.				
3						Mud Man				
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
tte DD in heles		DD and an		DD 0	XXX	VOLUMES	M <sup>3</sup>			
Jts DP in hole:		DP on Loc:		DP Conn:	^^^		1.51	_		
	OPERATIONS T	1	DOWN	1		Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh		N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR	THE DATE :	Oct 31,201	1		(0000 hrs -	2400 hrs)			
From	То	Duration				•	vent			
0700	0700	24hr	safety mee	ting with crew	and on site:	supervisiors (	discussed r	pince points		
				ds from 211m		•	'			
			conglomer	ate came in at	311m					
				ds from 311m						
			Wax14 cor	es with WEAT	HERFORD t	echnician				
24 HOUR F	orcast :									
cement and										
Jonnoin and										

	ii wiiileia	13						יאס	LY DRILL	
Flat bay	Test Hole #9					REPORT #:	36	DATE:	Nov	1st, 2011
DEPTH 24:00:	0m	1	PROGRESS	3: 28	Bm	Last 24 Hr Rot	ating Time:	•	Ave ROP:	
OPER 09:00:			1			FOREMAN: H.H	YNES		MOBILE NO.: 78	30-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		cold	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		5c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough	· · · · · · · · · · · · · · · · · · ·	
			1					1		
	BIT PERFO	DMANCE		1		DRILLIN	C EL LIID	1	PUMPS	
Dit No.	BII PERFU	RIVIANCE			1.00 °		G FLUID	- N	PUNIPS	
Bit No.					1.00	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)		ļ	ID 0 0::=:-	10.41.6
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEMBL	Υ				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1						1				
2						Mud Co.		2 pails of DD12	00	
3						Mud Man		5 bags of cemen	t	
BHA Length:	•	Hook Load:	•	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
tte DD in heles		DD I		DD Corre	XXX	VOLUMES	M <sup>3</sup>			
Jts DP in hole:		DP on Loc:		DP Conn:	^^^	-				
	OPERATIONS T		DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON		SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min		Shaker Mesh	_	N/A
Rm Rathole		woc		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY FOR	THE DATE :	Nov2.2011			(0000 hrs - :	2400 hrs)			
From		,								
	То	Duration				E	vent			
0700		Duration 24hr		eting with crew	and on site :			using proper P	PE	
_	<b>To</b> 0700		safety mee	eting with crew		supervisiors of		using proper P	PE	
_			safety mee	o skid equipme		supervisiors of		using proper P	PE	
_			Safety mee Continue to Rig up equ	o skid equipme ipment	ent into new	supervisiors of		using proper P	PE	
_			Safety mee Continue to Rig up equ Drill overbo	o skid equipme iipment urden from 0m	ent into new to 19m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbu Drilled gyp	o skid equipme iipment urden from 0m sum from 19m	to 19m to 22m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh	o skid equipme nipment urden from 0m sum from 19m nydrate from 22	to 19m to 22m 2m to 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbu Drilled gyp Drilled Anh Drill NW ca	o skid equipment urden from 0m sum from 19m nydrate from 22 asing down to 2	to 19m to 22m 2m to 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipme nipment urden from 0m sum from 19m nydrate from 22	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 sing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
_			safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
0700	0700		safety mee Continue to Rig up equ Drill overbo Drilled gyp Drilled Anh Drill NW ca Cement ca	o skid equipment urden from 0m sum from 19m sydrate from 22 asing down to 2 asing at 28m	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
0700 24 HOUR F	0700	24hr	safety mee Continue te Rig up equ Drill overbe Drilled gyp Drilled Anh Drill NW ca Cement ca Wait on ce	o skid equipme ipment urden from 0m sum from 19m nydrate from 22 asing down to 3 ising at 28m ment from 190	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	
0700 24 HOUR F	0700	24hr	safety mee Continue te Rig up equ Drill overbe Drilled gyp Drilled Anh Drill NW ca Cement ca Wait on ce	o skid equipme ipment urden from 0m sum from 19m nydrate from 22 asing down to 3 ising at 28m ment from 190	to 19m to 22m 2m to 28m 28m	supervisiors of		using proper P	PE	

vuica	n wiinera	13						DAI	LT DRILL	ING REPORT
Flat bay	Test Hole #9					REPORT #:	37	DATE:	Nov	2nd,2011
DEPTH 24:00:	28r	n	PROGRESS	s: 62	'm	Last 24 Hr Rot			Ave ROP:	
OPER 09:00:				01		FOREMAN: H.H			MOBILE NO.: 78	RO-667-8775
DAILY COST:			HOLE CND.:			WEATHER:	TIVEO	cold	TOOLPUSH:	50-007-0775
								5c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	re	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #								II		
						Vis PV		SPM		
Nozzles						II		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		MU	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
						MBT				
Cum Hrs						H		Tanks		m3
D. 0	ALE / 225					CI (ppm)		Hole Volume		m3
	OLE ASSEMBL					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	<u> </u>				
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	l.	Hook Load:	1	DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX	Indu op o				
AVAII WOD.		oto Di Ttacko		DO COMIN.		-	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
Reaming		Cementing		WO Services		ST/Min	1477	Shaker Mesh		N/A
Rm Rathole		-				II	N/A	Shaker Mesh	Dociltor	Centrifuge
		WOC		Safety Meeting		MACP(kPa)	IN/A	\/-!!!\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Desilter N/A	N/A
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill	NI/A	Vol UF (I/min)		
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY FOR	THE DATE ·	Nov3 2011		-	(0000 hrs -	2400 hrs)			
From	To	Duration	14040,2011			_	Event			
0700	0700	24hr	cafety man	eting with crew	and on site			oraccura tactin	.a	
0700	0700	24111		ment from 23n		anhei Aiginig (	uiscuss <del>e</del> u	vicoouie (69())	19	
						and tost				
				est to 500psi fo		oou test				
			Drill NQ ro	ds from 28m to	62M					
			Currently of	drilling ahead a	t 62m					
			ĺ	<u>-</u>						
	-		-							
	-									
24 HOUR F										
Drilling ahe	ad	<u> </u>						<u></u>	<u></u>	
1										

Vulcan Minerals DAILY DRILLING REPORT

Vuica						1		1		
Flat bay	Test Hole #9					REPORT #:	38	DATE:	Nov	3rd,2011
DEPTH 24:00:	62m	1	PROGRESS	s: 159	9m	Last 24 Hr Rotating Time: Ave ROP:				
OPER 09:00:						FOREMAN: H.H	YNES		MOBILE NO.: 78	80-667-8775
DAILY COST:			HOLE CND.:			WEATHER:		cold	TOOLPUSH:	
CUM COST:			RIG / RIG #:			TEMP.:		5c	T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
						1		1		
	BIT PERFOR	DMANCE		1		DDILLIN	IG FLUID	1	PUMPS	
Dit No.	BII PERFUI	RIVIANCE			1.00 °		IG FLUID	- N	PUNIFS	
Bit No.					1.00	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
Type						Mud Grad		Liner X Stk		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						pH		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)			ID a CHEST	10.41.0
Pulled For?						Solids (%)			JD & CHEM	
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
						CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEMBLY					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	$M^3$			
	ODED ATIONS T	<u> </u>	DOWN		1	<del> </del>		Mud Daily Cost		
	OPERATIONS TI		DOWN	Move Pig		Water added				
RU/TO	OPERATIONS II	Survey	DOWN	Move Rig		Losses	ITPOL	Mud Cum Cost	NTPOL	
RU / TO Drill w/ fluid	OPERATIONS II	Survey Logging	DOWN	Fishing		Losses WELL CON		Mud Cum Cost SOLIDS CO	NTROL	N/Λ
RU / TO Drill w/ fluid Drill w/ air	OPERATIONS II	Survey Logging Run Casing	DOWN	Fishing WO Materials		Losses WELL CON	ITROL N/A	Mud Cum Cost  SOLIDS CO  Shaker Make	NTROL	N/A
RU / TO Drill w/ fluid Drill w/ air Reaming	OPERATIONS II	Survey Logging Run Casing Cementing	DOWN	Fishing WO Materials WO Services		Losses WELL CON RSPP ST/Min	N/A	Mud Cum Cost SOLIDS CO		N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole	OPERATIONS II	Survey Logging Run Casing Cementing WOC	DOWN	Fishing WO Materials WO Services Safety Meeting		LOSSES WELL CON RSPP ST/Min MACP(kPa)		Mud Cum Cost  SOLIDS CO  Shaker Make  Shaker Mesh	Desilter	N/A Centrifuge
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ	OPERATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		LOSSES  WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	Desilter N/A	N/A Centrifuge N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping	OPERATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	DOWN	Fishing WO Materials WO Services Safety Meeting		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh  Vol UF (I/min) U.F. (kg/m3)	Desilter N/A N/A	N/A Centrifuge N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig	OPERATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	OPERATIONS II	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt	DOWN	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools		Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	N/A N/A	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Nov4,2011	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	Desilter N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing	SUMMARY FOR 1	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	Nov4,2011 safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead Total Hrs		MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs	137m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ roo Pull out of	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change	137m out bit	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Colo hrs -	N/A N/A N/A 2400 hrs)	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
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RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From	SUMMARY FOR T	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing 24 HOUR S From 0700	SUMMARY FOR TO 0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A
RU / TO Drill w/ fluid Drill w/ air Reaming Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Fishing  24 HOUR S From 0700	0700	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools  THE DATE: Duration	Nov4,2011 safety mee Drill NQ ro Pull out of Drill NQ ro	Fishing WO Materials WO Services Safety Meeting Mix mud Install Wellhead  Total Hrs  eting with crew ds from 62m to hole to change ds from 137m	o 137m out bit to 159m	MELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill Council Fill Coun	N/A N/A N/A 2400 hrs) Event discussed r	Mud Cum Cost SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	Desilter N/A N/A N/A N/A N/A	N/A Centrifuge N/A N/A N/A N/A N/A

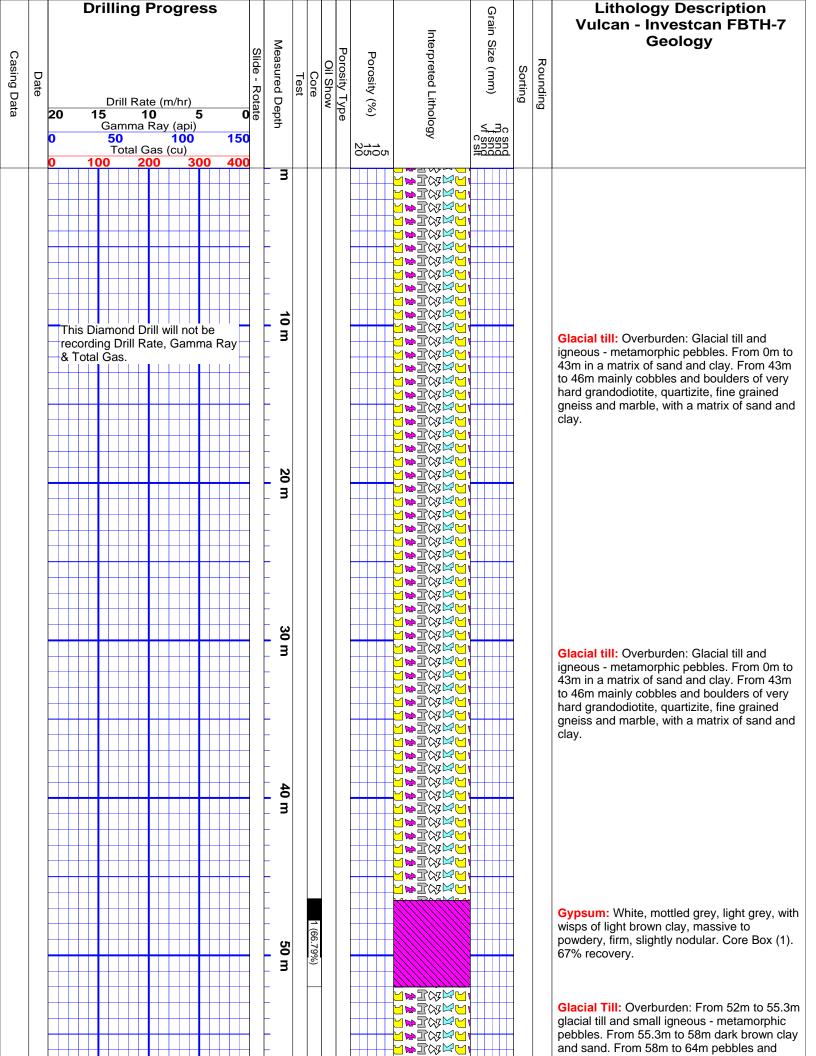
Vulcan Minerals DAILY DRILLING REPORT

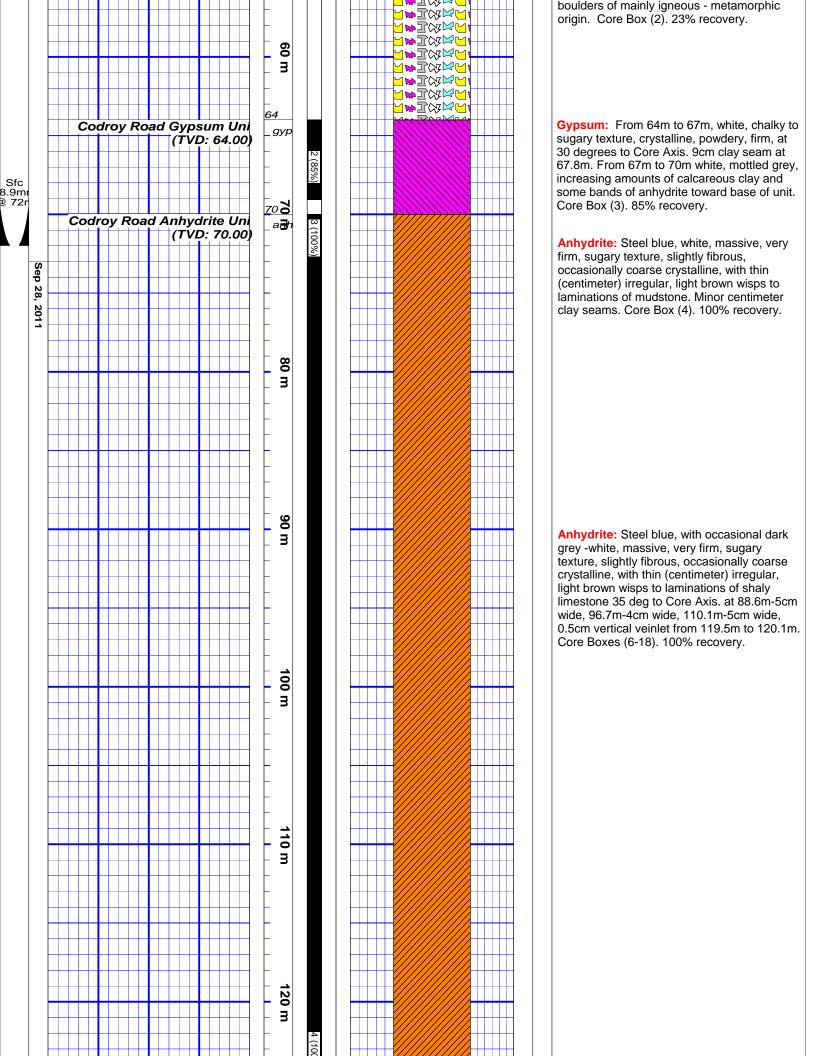
vuica	n wiinerai	15						DAI	LY DRILL	ING REPORT
Flat bay	Test Hole #9					REPORT #:	39	DATE:	Nov	4th,2011
DEPTH 24:00:			PROGRESS	S:		Last 24 Hr Rotating Time: Ave ROP:				,
OPER 09:00:						FOREMAN: H.HYNES MOBILE NO.: 7			RO-667-8775	
DAILY COST:			HOLE CND.:			WEATHER:		cold TOOLPUSH:		50-007-0775
								5c		
CUM COST:			RIG / RIG #:			TEMP.:			T.P. MOBILE:	
FORMATION:			K.B. ELEV.:			ROADS:	ro	ough		
	BIT PERFO	RMANCE				DRILLIN	G FLUID		PUMPS	
Bit No.					1.00 °	Time		Pump No.		
Size (mm)						Depth(m)		Make		
Mfg.						Density		Model		
-						Mud Grad		Liner X Stk		
Type								II		
Serial #						Vis		SPM		
Nozzles						PV		Pump Eff.		
From (mKB)						YP		Pump Rate		
To (mKB)						Gels		Pump Press.		kPa
Hrs on Bit						рН		Drillpipe AV		m/min
WOB (daN)						WL (cc's)		Drillcollar AV		m/min
RPM						Filter Cake		Nozzle Vel		m/sec
Condition						Sand (%)				
Pulled For?						Solids (%)		МІ	JD & CHEM	ICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf				
						II		Bottoms Up		min
Cum Hrs	I					MBT		Tanks		m3
				_		CI (ppm)		Hole Volume		m3
	OLE ASSEMBLY					Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1										
2						Mud Co.				
3						Mud Man				
BHA Length:	l .	Hook Load:		DP size	XXX	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	XXX					
Avaii WOB.		JIS DI INACKS		DO COMIT.		1	M <sup>3</sup>	1		
Jts DP in hole:		DP on Loc:		DP Conn:	XXX	VOLUMES	M			
DRILLING	OPERATIONS T	IME BREAK	DOWN			Water added		Mud Daily Cost		
RU / TO		Survey		Move Rig		Losses		Mud Cum Cost		
Drill w/ fluid		Logging		Fishing		WELL CON	TROL	SOLIDS CO	NTROL	
Drill w/ air		Run Casing		WO Materials		RSPP	N/A	Shaker Make		N/A
		_		WO Services		ST/Min	14// (	Shaker Mesh		N/A
Reaming		Cementing				II	NI/A	Stiaket Westi	Daailtaa	
Rm Rathole		WOC		Safety Meeting		MACP(kPa)	N/A		Desilter	Centrifuge
Cond / Circ		NU BOP's		Mix mud		Calc Hole Fill		Vol UF (I/min)	N/A	N/A
Tripping		Test BOPs		Install Wellhead		Act Hole Fill	N/A	U.F. (kg/m3)	N/A	N/A
Lubricate Rig		Drill Out Cmt				Lst BOP Drill:		O.F. (kg/m3)	N/A	N/A
Repair Rig		DST				Calc Hole Fill		Hours/Days	N/A	N/A
Fishing		Hndle Tools		Total Hrs		Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUD 9	SUMMARY FOR	THE DATE :	Nov 5 201	1		(0000 hrs -	2400 bre\			
From	1	Duration				_	z400 ms) Event			
0700	<b>To</b> 0700	24hr		eting with crew	and an aite			movina ria		
0700	0700	24111					JISCUSSEU [	noving ng		
				ent job, rig out						
			Rig out rig	, cut casing of	r at ground le	evel and welc	on cap.			
				ment out with t	ractor to be	loaded to tak	e to Deer L	ake		
			Rig release	ed						
				<del>.</del>	-	-		<del></del>	-	
			Waiting on	float to come	from Deer I :	ake to load ed	guipment to	be shipped to	Logans var	d.
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24 HOUR F	orcast :									
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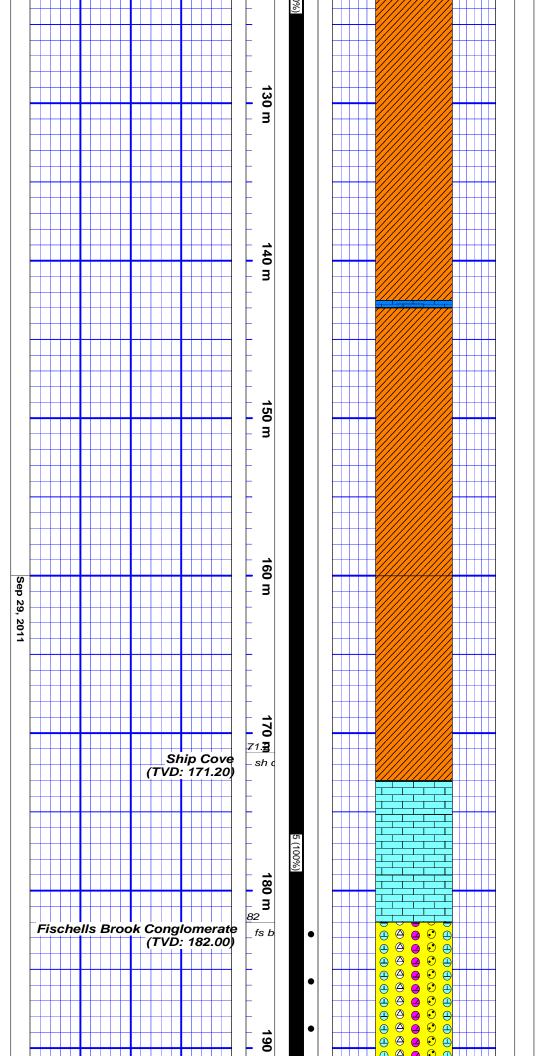
Appendix III Bit Record

BIT RECORD							
BIT ID	Date						
79260-11	10/02/2011						
79316-10	10/06/2011						
57863-09	10/07/2011						
660186-04	10/10/2011						
103236-08	10/16/2011						
103235-08	10/17/2011						
103236-09	10/20/2011						
656116-01	10/23/2011						
647247-04	10/24/2011						

Appendix IV
Composite Well Record







Anhydrite: Steel blue, white, massive, predominately no impurities, very firm, sugary texture, slightly fibrous, occasionally coarse crystalline with 8cm fracture at 142.0m.. From 131.6m to 132.5m shaley mudstone laminations, dark brown, 35 deg to Core Axis. From 142.0m to 142.8m shaly mudstone laminations, dark brown, at 35 deg to Core Axis. Core Box (18-21). 100% recovery.

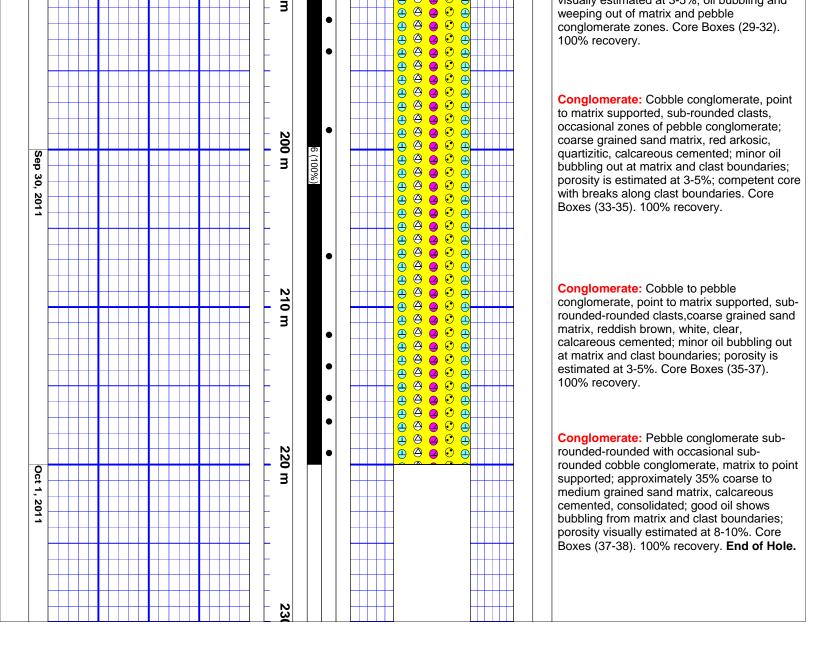
Shaly Limestone: Shaley Limestone (mudstone): dark grey black, soft to firm, laminated, at 25 deg to Core Axis. Organic odor.Core Box (21).

Anhydrite: Steel blue, white, massive, very firm, sugary texture, minor impurities, occasional shaly mudstone laminations. Core Box (21).

Anhydrite: Steel blue, white, massive, predominately no impurties, very firm, sugary texture, slightly fibrous, occasionally coarse crystalline. at 169.5m to 170.8m shaly mudstone laminations 25 deg to Core Axis. Core Boxes (22-27). 100% recovery.

Limestone: Light to medium gray beds (1 centimeter thick), hard, crystalline to grain supported, with thin medium to dark gray organic rich laminations at 30° to Core Axis; small (millimeter) nodules of anhydrite along organic laminations; occasional fractures filled with bitumen, strong hydrocarbon odor, grades back into micrite at base. Core Boxes (27-29). 100% recovery.

Conglomerate: Rounded to sub-rounded, minor sug-angular, point to matrix supported, dominantly pebble sized clasts with some cobble sized zones, mainly (2 - 8cm) clasts of limestone, dolostone, siltstone and igneous origin; approximately 25% medium to coarse grained sand matrix reddish brown, orange, clear, abundantly arkosic, angular to rounded, poorly sorted, calcareous cemented; porosity



Appendix V Stratigraphic Column Appendix VI Core Box Depths

		DEPTH			
Hole #	Box #	From (m)	to (m)		
7	1	46.40	52.00		
7	2	52.00	64.00		
7	3	64.00	70.00		
7	4	70.00	75.20		
7	5	75.20	80.20		
7	6	80.20	84.46		
7	7	84.46	88.68		
7	8	88.68	92.90		
7	9	92.90	97.12		
7	10	97.12	101.34		
7	11	101.34	105.56		
7	12	105.56	109.78		
7	13	109.78	114.00		
7	14	114.00	118.22		
7	15	118.22	122.44		
7	16	122.44	126.66		
7	17	126.66	130.88		
7	18	130.88	135.10		
7	19	135.10	139.32		
7	20	139.32	142.00		
7	21	142.00	147.20		
7	22	147.20	151.53		
7	23	151.53	155.86		
7	24	155.86	160.19		
7	25	160.19	164.52		
7	26	164.52	168.85		
7	27	168.85	173.18		
7	28	173.18	177.58		
7	29	177.58	182.00		
7	30	182.00	186.53		
7	31	186.53	191.06		
7	32	191.06	195.60		
7	33	195.60	199.67		
7	34	199.67	203.73		
7	35	203.73	208.50		
7	36	208.50	212.57		
7	37	212.57	216.63		
7	38	216.63	220.70		

Appendix VII
Lithological Descriptions

#### Vulcan - Investcan FB TH 7: 2011-10-01

Dept	h (m)	Thickness	Description	Lineations	Porosity	Oil/gas show	Rock quality
From	To	(m)	Description	Lineations	Porosity	Oll/gas show	ROCK quality
			Overburden: Glacial till and igneous - metamorphic pebbles. From 0m to 43m in a matrix of sand				
			and clay. From 43m to 46m mainly cobbles and boulders of very hard grandodiotite, quartizite, fine				
0	46.4	46.4	grained gneiss and marble, with a matrix of sand and clay.				
46.0 - 52	2.0 m, Co	droy Road	d Formation, Gypsum Unit				
			Gypsum: White, mottled grey, light grey, with wisps of light brown clay, massive to powdery, firm,				
46.4	52	5.6	slightly nodular. Core Box (1). 67% recovery.				Consolidated
			Note: This section of Gypsum may not be the actual Bedrock.				
			O and and are form 52 at the 55 2 and a sinkill and are like a contract and the same for 52 are				
			Overburden: From 52m to 55.3m glacial till and small igneous - metamorphic pebbles. From 55.3m				
		40	to 58m dark brown clay and sand. From 58m to 64m pebbles and boulders of mainly igneous -				
52	64	12	metamorphic origin. Core Box (2). 23% recovery.				
640 70	0 m Co	drov Book	d Formation, Gypsum Unit	<u> </u>			
04.0 - 70	i.u m, co	uroy Koac	rormation, gypsum omt				1
			Gypsum: From 64m to 67m, white, chalky to sugary texture, crystalline, powdery, firm, at 30 <sup>0</sup> to CA				
			(Core Axis). 9cm clay seam at 67.8m. From 67m to 70m white, mottled grey, increasing amounts of				
64	70	6	calcareous clay and some bands of anhydrite toward base of unit. <b>Core Box (3). 85% recovery.</b>	30 <sup>0</sup> CA			Consolidated
04	70		Cancal coust clay and some bands of annyunite toward base of unit. Core box (5), 65/01ecovery.	30 CA			Consolidated
70.0 - 73	.0 m. Co	drov Road	d Formation, Anhydrite Unit	1			L
70.0							
			Anhydrite: Steel blue, white, massive, very firm, sugary texture, slightly fibrous, occasionally coarse				
			crystalline, with thin (cm) irregular, light brown wisps to laminations of mudstone. Minor cm clay				
70	73	3	seams. Core Box (4). 100% recovery.				Consolidated
			, , , , , , , , , , , , , , , , , , , ,				
			Anhydrite: Steel blue, mottled grey white, firm, sugary texture, slightly fibrous, with thin (cm)				
			irregular, minor laminations of mudstone. Shaly mudstone seam (9cm) at 84.5m and at 25 <sup>0</sup> to CA.				
73	84.46	11.46	Core Boxes (4-6). 100% recovery.	25 <sup>0</sup> CA			Consolidated
			Anhydrite: Steel blue, with occasional dark grey -white, massive, very firm, sugary texture, slightly				
			fibrous, occasionally coarse crystalline, with thin (cm) irregular, light brown wisps to laminations of				
			shaly limestone 35 <sup>0</sup> to CA. at 88.6m-5cm wide, 96.7m-4cm wide, 110.1m-5cm wide, 0.5cm vertical				
84.46	131.6	47.14	veinlet from 119.5m to 120.1m. Core Boxes (6-18). 100% recovery.	35 <sup>0</sup> CA			Consolidated

					1		
131.6	142.8	11.2	Anhydrite: Steel blue, white, massive, predominately no impurities, very firm, sugary texture, slightly fibrous, occasionally coarse crystalline with 8cm fracture at 142.0m From 131.6m to 132.5m shaly mudstone laminations, dark brown, 35° to CA. From 142.0m to 142.8m shaly mudstone laminations, dark brown, at 35° to CA. Core Boxes (18-21). 100% recovery.	35 <sup>0</sup> CA			Consolidated
131.0	142.0	11.2	industone familiations, dark brown, at 35 to CA. core boxes (18-21). 100% recovery.	33 CA			Consolidated
			Shaly Limestone (mudstone): dark grey black, soft to firm, laminated, at 25 of to CA. Organic odour.				
142.8	143.42	0.62	Core Box (21).	25 <sup>0</sup> CA			Consolidated
142.0	143.42	0.02	COLE DOX (21).	23 CA			Consolidated
			Anhydrite: Steel blue, white, massive, very firm, sugary texture, minor impurities, occasional shaly				
143.42	147.2	3.78	mudstone laminations. Core Box (21).				Consolidated
			Anhydrite: Steel blue, white, massive, predominately no impurities, very firm, sugary texture,				
			slightly fibrous, occasionally coarse crystalline. At 169.5m to 170.8m shaly mudstone laminations				
147.2	173.2	26	25 <sup>0</sup> to CA. Core <b>Boxes (22-27). 100% recovery.</b>	25 <sup>0</sup> CA			Consolidated
173 2 - 1	82 m Sh	in Cove F	Formation				
1/3.2 - 1	.02 111, 311	ip cove i	omation				
			Limestone: Light to medium gray beds (1 cm thick), hard, with thin medium to dark gray organic rich				
			laminations at 30° to CA; small (mm) nodules of anhydrite along organic laminations; occasional				
			fractures filled with bitumen, strong hydrocarbon odor, grades back into micrite at base. <b>Core</b>			Strong hydrocarbon	
173.2	182	8.8	Boxes (27-29). 100% recovery.	30 <sup>0</sup> CA		odor	
	102	0.0					
192 22	Om Spout	Ealle For	rmation, Fishell's Brook Conglomerate				
102 - 22	Jili Spoul	. raiis rui	Illiation, Fishen's brook congionnerate				
			Conglomerate: Rounded to sub-rounded, minor sug-angular, point to matrix supported, dominantly			Good oil shows at	
			pebble sized clasts with some cobble sized zones, mainly (2 - 8cm) clasts of limestone, dolostone,			183.8m, 184m, 187m,	
			siltstone and igneous origin; approximately 25% medium to coarse grained sand matrix reddish			193m-195.6m, oil	
			brown, orange, clear, abundantly arkosic, angular to rounded, poorly sorted, calcareous cemented;			weeping from matrix	
			porosity visually estimated at 3-5%; oil bubbling and weeping out of matrix and pebble			and clasts boundaries	
182	195.6	13.6	conglomerate zones. Core Boxes (29-32). 100% recovery.		3-5%	in pebble cgl.	Consolidated
			Conglomerate: Cobble conglomerate, point to matrix supported, sub-rounded clasts, occasional				
			zones of pebble conglomerate; coarse grained sand matrix, red arkosic, quartzitic calcareous				
			cemented; minor oil bubbling out at matrix and clasts boundaries; porosity is estimated at 3-5%;				
195.6	208	12.4	competent core with breaks along clasts boundaries. Core Boxes (33-35). 100% recovery.		3-5%	minor oil show	Consolidated
			Conglomerate: Pebble conglomerate sub-rounded-rounded, matrix to point supported;				
			approximately 35% coarse to medium grained sand matrix with calcareous cement, consolidated;				
			good oil shows bubbling from matrix and clasts boundaries; porosity visually estimated at 8-10%.				
208	208.4	0.4	Core Box (35). 100% recovery.		8-10%	good oil show	Consolidated

208.4	214	5.6	Conglomerate: Cobble to pebble conglomerate, point to matrix supported, sub-rounded-rounded clasts, coarse grained sand matrix, reddish brown, white, clear, calcareous cemented; minor oil bubbling out at matrix and clasts boundaries; porosity is estimated at 3-5%. Core Boxes (35-37). 100% recovery.	3-5%	minor oil show	Consolidated
214	220	6	Conglomerate: Pebble conglomerate sub-rounded-rounded with occasional sub-rounded cobble conglomerate, matrix to point supported; approximately 35% coarse to medium grained sand matrix, calcareous cemented, consolidated; good oil shows bubbling from matrix and clasts boundaries; porosity visually estimated at 8-10%. Core Boxes (37-38). 100% recovery. End of Hole.	8-10%	good oil show, oil weeping out of matrix and around clasts boundaries	Consolidated

Appendix VIII Legal Survey



GRID NORTH NAD27 NTM ZONE 21

▲ C.M. 84G4148

FBTH5 N 5360934.748 O E 383173.511

> FBTH9 5360176.766 N 536066.632 E 383666.632

FBTH8 N 5360379.149 E 385040.549

FBTH4 N 5359905.747 E 383431.320

> o FBTH6 N 5358293.931 E 384555.284

> > FBTH7
> > O N 5357590.861
> > E 384810.480

#### Surveyor's Report Drill Hole locations Flat Bay area

#	Northing	Easting	Elev	Description
120	5360176.766	383666.632	16.390	FBTH9
122	5359905.747	383431.320	20.414	FBTH4
124	5360379.149	385040.549	18.464	FBTH8
126	5358293.931	384555.284	65.992	FBTH6
128	5357590.861	384810.480	80.448	FBTH7
130	5360934.748	383173.511	7.369	FBTH5

R. Davis Surveys Ltd. November 15, 2011



Appendix IX Core Photos





218.00m



LABORATORIES 217.00m





LABORATORIES



216.00m



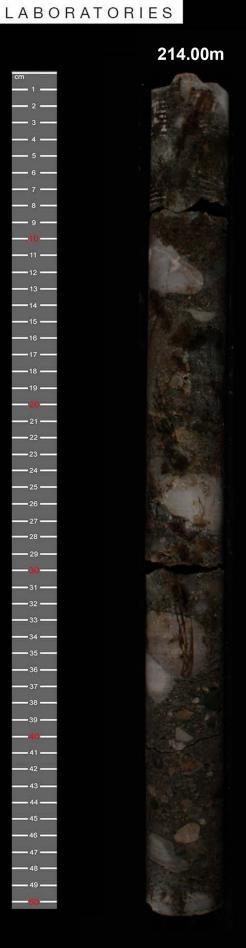
216.50m













215.00m



LABORATORIES 214.00m









213.50m



LABORATORIES 212.50m









212.00m



LABORATORIES 211.00m







LABORATORIES 209.50m





LABORATORIES 209.50m









209.00m



LABORATORIES







LABORATORIES

#### **Vulcan Minerals Inc.** Flat Bay Test Hole no.7 Western Newfoundland











207.50m



LABORATORIES 205.00m









205.50m



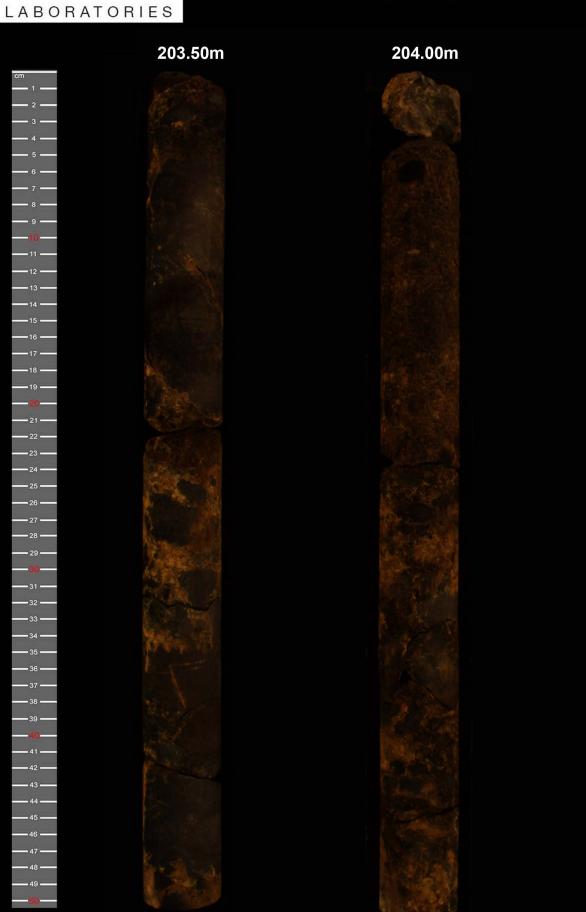
206.00m

















203.00m















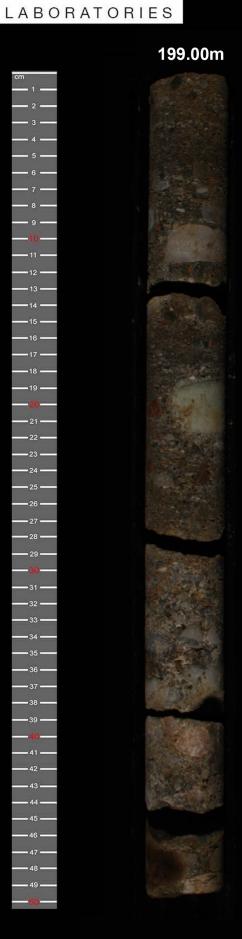
200.50m



201.00m



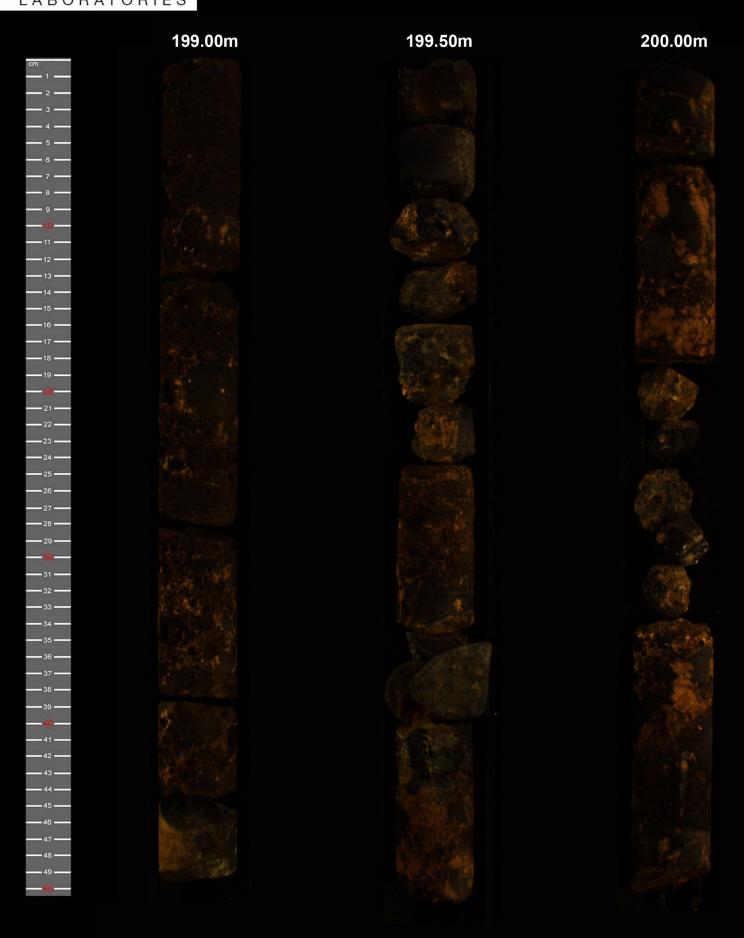






200.00m

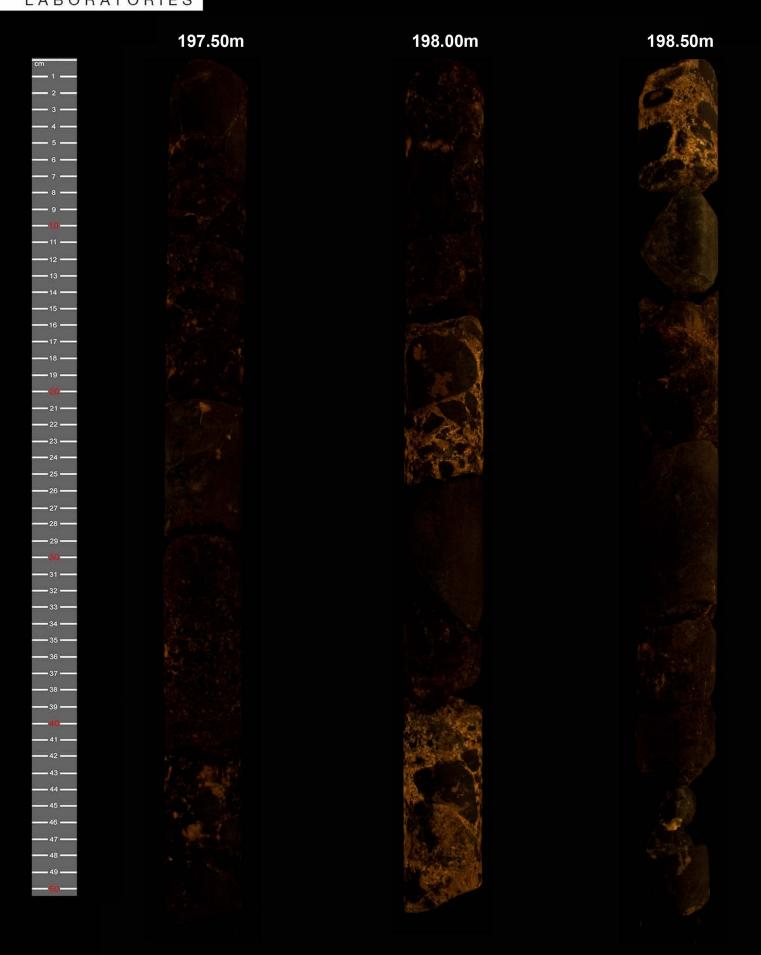












LABORATORIES

196.00m

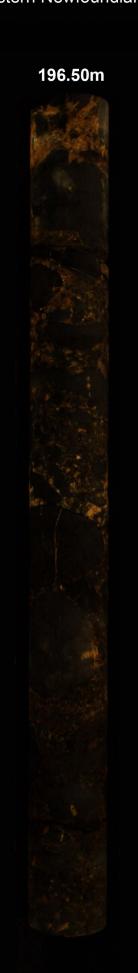




197.00m



LABORATORIES 196.00m





194.50m











195.50m







194.00m







194.00m







192.50m



LABORATORIES 191.50m



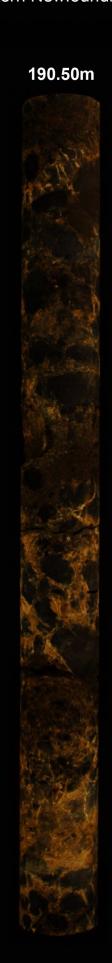


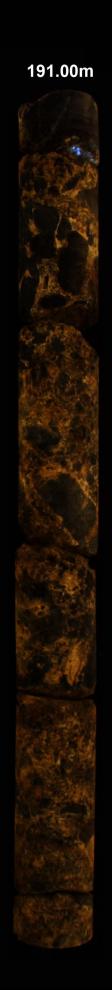
LABORATORIES 190.00m





LABORATORIES 190.00m





LABORATORIES 188.50m









189.50m

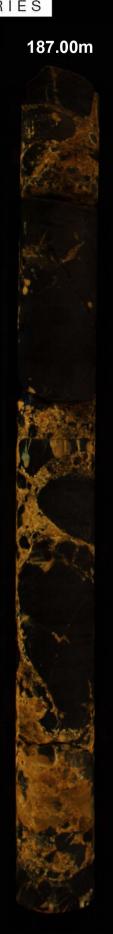






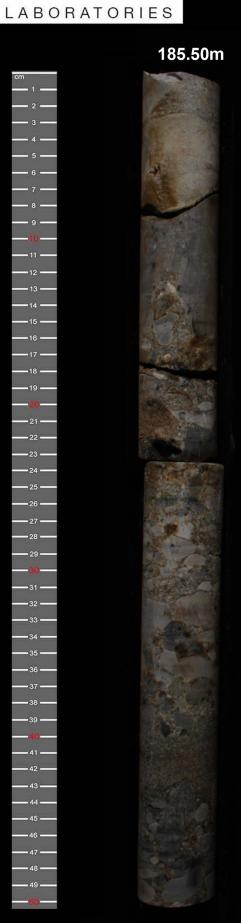
188.00m





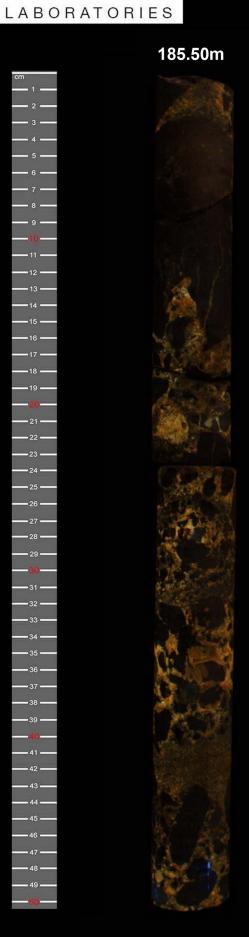


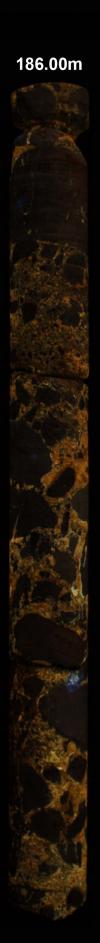












186.50m







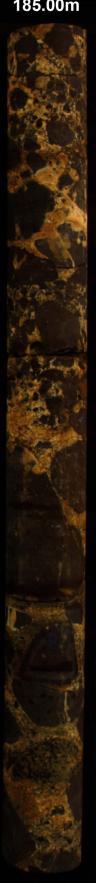
185.00m

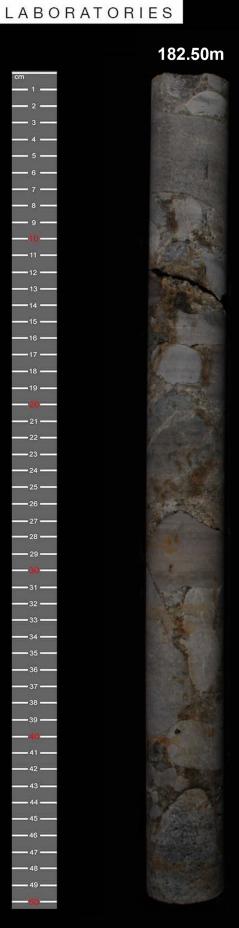






185.00m







183.50m



LABORATORIES





183.50m









181.00m





182.00m









180.50m









180.50m



LABORATORIES 178.00m





LABORATORIES

## **Vulcan Minerals Inc.** Flat Bay Test Hole no.7 Western Newfoundland

178.00m







Appendix X
Core Analysis Report



#### **SUMMARY OF CONVENTIONAL CORE ANALYSES RESULTS**

Conventional Oven Dried at 95°C

Vulcan Mineral FBTH #7 Robinson and Red Brooks Field Newfoundland File: NF-54215 Date: 3-7-12

					Residu	al Fliud	
	Sample	Permeability,	Porosity,	Grain	Satur	ations	Lithological
Sample	Depth,			Density,	Oil	Water	Description
Number	m	to Air	fraction	kg/m³	fraction		
1-2	180.15	0.0027	0.059	2700	0.127	0.288	ls, mnr pyr
1-3	182.90	0.0072	0.046	2730	0.363	0.142	cgl, mnr pyr
1-4	185.85	0.018	0.043	2690	0.454	0.152	cgl, pyr
1-5	187.10	0.031	0.044	2740	0.434	0.169	cgl, pyr
1-6	190.20	0.133	0.101	2670	0.335	0.144	cgl, mnr pyr
1-7	191.40	1.02	0.092	2670	0.225	0.295	cgl, calc
1-8	194.25	0.165	0.073	2720	0.115	0.394	cgl, calc
1-9	197.60	2.87	0.088	2670	0.391	0.209	cgl, calc
1-10	199.00	5.62	0.126	2670	0.364	0.177	cgl, calc
1-12	201.65	23.4	0.119	2650	0.508	0.140	cgl, calc
1-13	204.10	< 0.0001	0.005	2630	0.069	0.648	ss, sl calc
1-14	205.25	16.4	0.178	2670	0.364	0.123	ss, calc
1-15	206.20	12.	0.108	2680	0.427	0.198	cgl, calc
1-16	209.88	35.5	0.171	2710	0.400	0.137	cgl, sl calc
1-19	215.10	+	0.069	2660	0.434	0.203	cgl, calc
1-20	215.90	0.950	0.155	2690	0.420	0.120	cgl, calc
1-21	217.26	+	0.088	2690	0.512	0.203	cgl, calc
1-22	218.17	24.1	0.145	2670	0.497	0.103	cgl, calc

Appendix XI
Well Termination Record



**Government of Newfoundland and Labrador Department of Natural Resources Energy Branch** 

#### **WELL TERMINATION RECORD**

WELL DAT	Α																
Well Name:		Flat Bay Test Hole 7						CO-ORDINATES									
Operator: Vulcan Mi			an Minerals Inc					Long: UT							M (NAD 27)		
Drilling Rig: Duralite 80			ie 800					Ī					Northing Easting				
Rig Type : Core Drill								ELEVA	TION				<u> </u>	DEPTH			
							R1	Ţ	КВ	□RF		m	M.D.:	22	0		
Drilling Contra	Logan Drillin	ogan Drilling Limited						.448		FORI		T.V.D. :	22				
Spud Date:	ipud Date:   September 20, 2011							For the purpose of interpreting subsection 154 (5) of the Petroleum									
T.D. Date:	Ė	ober 8, 2011						Drilling Regulations, the rig release date is deemed to be:									
Rig Release D	kig Release Date: November 4, 2011																
Well Termina	Well Termination Date: November 22, 2011						]										
Purpose of Termination: Suspension Abandonment						Completion Other:											
					CASIN	G AND C	EMEN	ITI	NG PR	OGR/	AM						
O.D. (mm)	O. (mm) WEIGHT (kg/m)			GRADE	SETTING	n) CEMENTING DETAILS											
88.9	12.8	3				Cer	Cemented hole from EOH (220m) to surface.										
L						PLUGG	ING P	RC	GRAM								
Approval of	the fo	ollowing pr	ogr	am was ob	tained by ( <sub>l</sub>	person)	Patric	k L	aracy								
from (persor	n) Ke	eith Hynes								of the	Departi	ne	nt of Nat	ura	l Resources by	/ means of	
Drilling Prod	gram	Approval a	nd .	Authority t	o Drill Well		da	ate	d Aug	ust 19	, 2011						
Type of Plug		ug	Interval			Felt/Pressure Tested				Cement and Additives							
Cement			0-220m		1		d at Surf	at Surface		182	1820 kg-m3, ty			vpe A			
										<u> </u>							
Lost Circula	ation/	Overpres:	sure	Zones:													
		Downhol	e Co	mpletion	Suspension (	on Equipm	ent (D	esc	ribe Bel	ow ar	nd Atta	ch :	Sketch o	f W	/ellbore)		
Cement froi	m sur	face to EOI	H - S	ee attache	d sketch.												
Casing cut o	off 1m	n below gra	ide.														
							ARATIO							_			
The undersignation the above no										is of p	ersonal	kn	owledge	of (	operations un	dertaken at	
Name Elli	ame Elliott M. Stuckless						Title	le (	Geologis	t							
Signed						Dat	te	Novemb	er 22, :	2011							
						ACKNO	WLED	GE	MENT							ı	
A clan and a di	ما اد						D-+										
Acknowledg	yed b	y:					Dat	.e: _							_		

