

FINAL WELL REPORT

Revision:	Version 0
Operating Company:	Vulcan Minerals Inc
Well Name:	Flat Bay #3
Rig:	Ingersoll Rand RD10
Field:	Flat Bay
Location:	St. Georges Bay,
	Western Newfoundland, Canada
Date:	6 January 2006
Revised On:	N/A

Prepared by:	Reviewed by:
Karla Smith, P.Eng Vulcan Minerals	Patrick Laracy, P.Geo Vulcan Minerals
Kuch So 2	Asp ta
Date:	Date: 100.



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1 Introduction

Flat Bay #3 was the fourth well drilled by the operator, Vulcan Minerals Inc., in the Flat Bay field located in Bay of St. Georges, Newfoundland. (See map in Appendix A). The purpose of the well was to gather geological and geophysical data as a means to evaluate the economical potential of future field exploration and development for crude oil and/or natural gas production.

The drilling rig used was the Ingersoll Rand RD10, a single-type rig with 210-hp (156-kW) rating and a 70000-lb (31750-kg) hookload.

The 370.3-m from rig floor (RF) vertical well was drilled in accordance with the Drilling Program Approval #DPA2005-116-01 and Authority to Drill Well #ADW2005-116-01-02 under Permit #96-105 (see Appendix B).

The Flat Bay #3 340-mm cellar casing was set at 11.53-mRF with 4.5-m³ of cement for a good shoe to hold back the overburden. The 311-mm hole was drilled to 29-m then the 244.5-mm casing was set to 29-m and cemented into place with cement to surface. The hole was air drilled with a 219.1-mm BHA to 141-mRF. 245-mm casing was run to 140.87-mRF and cemented into place with cement returns to surface. Blow out preventors were nippled up and hi-low pressured tested against surface casing. Formation integrity test was executed at 144-m resulting in a calculated pressure gradient of 48.3-kPa/m. The hole was continued with a 158.75-mm BHA to a total depth of 370.3-mRF. Open hole logs (High Density Induction, Fluid Resistivity, Compensated Z-Densilog, Compensated Neutron, Gamma Ray, and Caliper) were run to 367-m. The well was capped and suspended.

2 General Information

Well Name	Flat Bay #3	
Exploration Permit	96-105	
Drilling Program Approval	DPA 2005-116-01	
Authority to Drill Well	ADW 2005-116-01-02	
NAD 27 Coordinates	N 5360084.76	
	E 384421.89	
Survey System	Differential Survey Related To C.M. 84G4148	

See Appendix A for Legal Survey completed by R. Davis Surveys Ltd.



3 Difficulties and Delays

3.1 Abandonment of Original Hole – Flat Bay #3a

The initial well, entitled Flat Bay #3a, was spudded on 2005-10-01 by drilling out the 245-mm casing set at 18.7-m and drill to 36-m with the 215.9-mm bottom hole assembly.

While drilling the 215.9-mm section, partial lost circulation of drilling fluid and sloughing of the overburden was experienced. The rig was released on 2005-10-01 and skidded approximately 12-m east for the construction of Flat Bay #3 well.

For the abandonment of the hole, a 2-m³ 1820-kg/m3 class A cement plug was placed from TD at 36-m to surface, the 244.5-mm casing was then cut 1-m below ground level and abandoned without footprint.



4 Drilling Operations

4.1 Elevation

Well Name	Flat Bay #3
Ground Level	45.36-m MSL
Casing Flange	Not Applicable
Rig Floor	48.66-m MSL

4.2 Total Depth

Well Name	Flat Bay #3	
Total Drilled Depth	370.3-mRF	
Logged Depth	141 to 370.3-mRF	
Plugged-Back Depth	3.3-mRF (Well head cap)	

4.3 Important Dates and Status

Well Name	Flat Bay #3
Spud	2005-10-07
Drilling Completed	2005-10-12
Rig Release	2005-10-14
Well Status	Suspended

4.4 Hole Sizes and Depths

Well Name	Flat Bay #3
311.1-mm Hole	29-mRF
219.1-mm Hole	141-mRF
158.8-mm Hole	370.3-mRF



4.5 Bit Records

	Flat Bay #3							
Bit Number	Size [mm]	Туре	Depth In [mRF]	Depth Out [mRF]	Meterage [m]	Hours [h]	ROP [m/h]	Pulled Condition
1	311	Varel CH24MS	11.53	29	17.47	15.5	1.12	Good
2	219	Mission Air Hammer	29	140.87	111.87	8.75	12.79	Good
3	156	Varel ETD34	140.87	144	3.13	1.75	1.79	Good
4	159	Mission Air Hammer	144	370.5	226.5	12.75	17.76	Good

4.6 Casing Record

314-mm cellar line pipe was installed at 11.53-mRF.

Well Name	Flat Bay #3		
Casing Type	Conductor	Surface	
Casing Size [mm]	244.5	177.8	
Weight [kg/m]	53.6	25.33	
Grade	J-55	H-40	
Number of Joints	3	15	
Connection Type	8Rd Short	8Rd Short	
Depth of Shoe [mRF]	29	141	
Casing Hanger and Seal	N/A	Casing Head Type W	

4.7 Cementing Record

Well Name	Flat Bay #3				
Casing Size [mm]	244.5	177.8			
Centralizer Spacing		As necessary			
Slurry Volume [m ³]	2.0	3.0			
Slurry Density [kg/m ³]	1820	1820			
Cement Class	А	А			
Cement Additives	1-liter per m ³ slurry Grace Adva 100	1-liter per m ³ slurry Grace Adva 100			
Cement Top [mRF]	3.3	3.3			
Cement Base [mRF]	29	141			
Basis of Top Estimate [Calc/CBL]	Visual	Visual			

See Appendix C for cement proposals and reports.

4.8 Sidetracted Hole

Not applicable.



4.9 Drilling Fluid

The 311-mm conductor hole section was drilled with Federal Supreme gel water with final properties that included mud weight of 1040-kg/m^3 , funnel viscosity 42-sec and 8pH.

The remainder of the well was drilled with air from 29m to total depth of 370.5m.

4.10 Fluid Disposal

While drilling Flat Bay #3a, a lost circulation zone was encountered between 19-m and 36-m RF. Total gel water fluid loss was 30-m³ (see Section 3.1).

No lost circulation was experienced while drilling Flat Bay #3 and as a result there was no downhole fluid disposal.

Pardy's Waste Management was contracted to dispose of the drilling fluid contained in mud tanks on site in accordance with Government regulations.

4.11 Well Kicks

Not applicable.

4.12 Formation Leak-Off Tests

Formation integrity test was executed on Flat Bay #3 at 144-m with 1020-kg/m³ mud weight to 5516-kPa that had no pressure drop during stabilization for a calculated pressure gradient of 48.3-kPa/m



4.13 Time Distribution

Operation Type	Cumulative Time [hrs]	Cumulative Time [%]
Rig Up / Tear Out	0	0.0%
Drill with Fluid	25.5	10.5%
Drill with Air	13.5	5.6%
Reaming	3	1.2%
Coring	0	0.0%
Ream Rathole	0.75	0.3%
Condition & Circulate Mud	13.5	5.6%
Tripping	32.75	13.5%
Mix Drilling Fluid	1	0.4%
Rig Service	6.25	2.6%
Survey	2.25	0.9%
Logging	5.75	2.4%
Run Casing	7.5	3.1%
Cementing	1.75	0.7%
Wait on Cement	22.5	9.3%
Nipple Up/Down BOPs	14.5	6.0%
Test BOPs	5.5	2.3%
Drill out Cement	4	1.6%
Drill Stem Test	0	0.0%
Handle Tools	0	0.0%
Plug Back	0	0.0%
Fishing	0	0.0%
Work Pipe	0	0.0%
Mix Lost Circulation Material	0	0.0%
Safety Meeting	2	0.7%
BOP Drill	0.5	0.2%
Clean out Tanks	5.5	2.3%
Shut Down for Night	0	0.0%
Waiting on Materials	0	0.0%
Waiting on Services	54.25	22.3%
Waiting on Orders	11.25	4.6%
Pressure Integrity Test / Leak Off Test	1.25	0.5%
Make up Wellhead	8.5	3.5%
Total Operational Time	243	100.0%
Total Non-Productive Time	84.25	34.7%



4.14 Deviation Plot

A deviation survey was completed at approximately every 150-m.

Depth	Deviation	Measurement Tool
42-m	1.75°	Totco
134-m	1.25°	Totco
302-m	3.00°	Totco
370-m	4.00°	Totco

4.15 Plug & Abandonment Scheme

Not applicable.

4.16 Well Schematic

See Appendix D for well termination reports and well schematics.

4.17 Fluid Samples

Not applicable.

4.18 Composite Well Record

See Appendix E for composite well record and detailed time versus depth curve.

5 Geology

5.1 Drill Cuttings

See Appendix F geological report completed by Corey Fitzgerald.

5.2 Cores

Not applicable.

5.3 Lithology

See Appendix F geological report completed by Corey Fitzgerald.

5.4 Stratigraphic Column

See Appendix G.

5.5 Biostratigraphic Data

Not applicable.



6 Well Evaluation

6.1 Downhole Logs

Open Hole logging for Flat Bay #3.

Log Type	Depth Interval Logged		
High Density Induction	367-m to 140.7-m		
Fluid Resistivity	367-m to 140.7-m		
Compensated Z-Desilog	360-m to 140.7-m		
Compensated Neutron	367-m to 140.7-m		
Gamma Ray	367-m to 25-m		
Caliper	360-m to 140.7-m		

See Appendix H for open hole well logs completed by Baker Altas.

6.2 Other Logs

Not applicable.

6.3 Synthetic Seismograms

Not applicable.

6.4 Vertical Seismic Profiles

Not applicable.

6.5 Velocity Surveys

Not applicable.

6.6 Formation Stimulation

Not applicable.

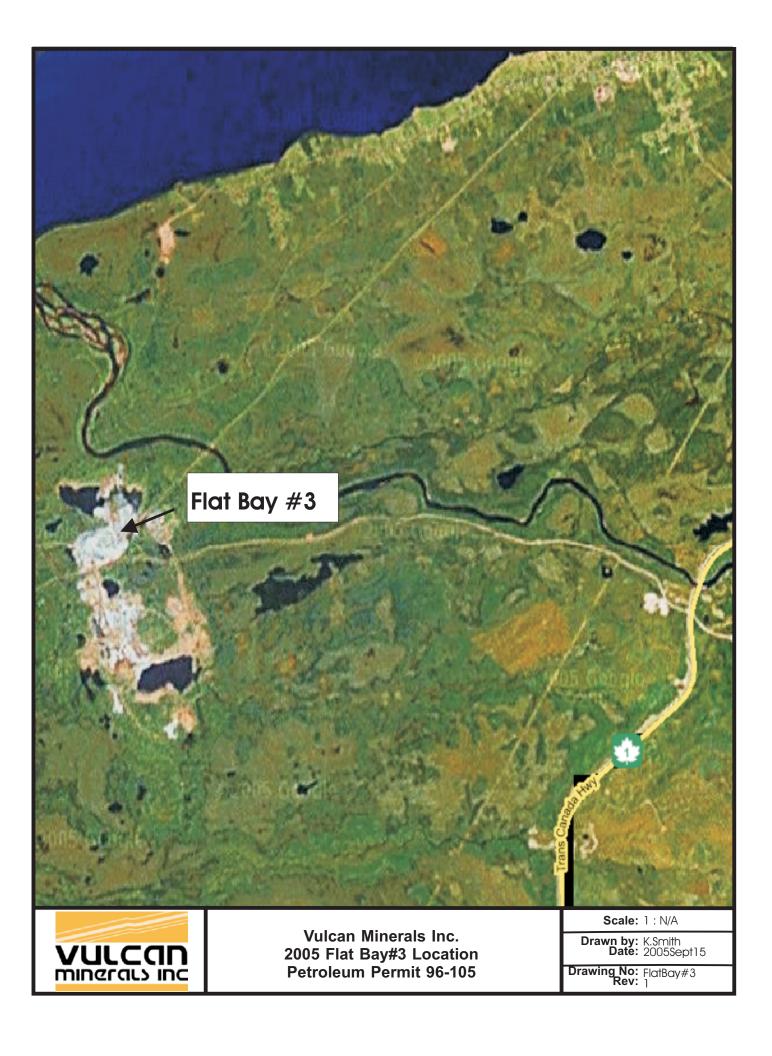
6.7 Formation Flow Tests

Not applicable.



APPENDIX A: WELL LOCATION & MAP

ELEVATIONS WELL HEAD 42.71 VALVE 42.44 VALVE 42.54 FLAT BAY # 1 N 5360238.83 E 384434.94 GROUND 41.73 GRID NORTH NAD27 UTM ZONE 21 TANK ELEVATIONS TOP WELL HEAD 45.95 TLAT BAY # 3 VALVE 45.77 N 5360084.76 NOTE: GROUND 45.36 COORDINATES RELATE TO C.M. 84G4148 HAVING COORDINATES OF N 5361647.39 E 382471.40 AND ELEVATION OF 25.87 E 384421.89 DWG. NO .: PLAN SHOWING LOCATION FOR 5138-1 FLAT BAY # 1 & fLAT bAY # 3 FLAT BAY ROAD SCALE: FLAT BAY, NEWFOUNDLAND AND LABRADOR 1:750 DRAWN BY: R. DAVIS SURVEYS LTD. R.D. P.O. BOX 449 DATE: OF NEWF STEPHENVILLE CROSSING, NL NOV. 4, 2005





APPENDIX B: DRILLING PROGRAM APPROVAL AND AUTHORITY TO DRILL WELL



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

Department of Mines & Energy

DRILLING PROGRAM APPROVAL

APPLICATION

Pursuant to sections 8 and 9 of the Petroleum and Natural Gas Act¹, <u>Vulcan Minerals Inc</u>, as operator on behalf of <u>Vulcan Minerals Inc</u>, holding a subsisting licence, permit or lease issued pursuant to the Petroleum Regulations², namely; <u>16-105/03-106/03-107</u> (licence, permit, or lease #) hereby applies for approval to conduct a drilling program using the drilling rig <u>Ingerscill Rand RDIO</u> and equipment and procedures described in the detailed program dated <u>IO June 2005</u>.

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 **Operator's Representative**

Date: June 10/05.

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:

- This Drilling Program Approval shall, unless otherwise extended or terminated, expire upon the <u>31st</u> day of <u>May</u>, 20 <u>06</u>;
- This Authorization shall be prominently displayed at the well site at all times during which operations are being conducted;
- 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 Mines and Energy;
- The operator shall use the equipment and procedures described in the detailed program dated <u>July 8,2005</u>, 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.

Signed: Director

Effective Date: July 18,2005.

Drilling Program Approval No. 2005-116-01



AUTHORITY TO **DRILL A WELL**

APPLICATION

Pursuant to sections 8 and 9 of the Petroleum and Natural Gas Act¹ and in compliance with section 29 of the Petroleum Drilling Regulations², Vulcan Mineral Inc. , as operator.

hereby applies for Authority to Drill a Well to be known as _____ Flat Bay #3 using the equipment and procedures described in the well program dated 15 August 20 05 Permit, Licence or Lease to which this Program applies: _____96-105

Area: Werken Newfourdland Field/Pool: FLAT RAY Drilling Rig: Ingersoll Rand Rig Type: RD10 Drilling Contractor: Vulcan Minerals Inc.		CO-ORDINATES		
			UTM (NAD 27)	
		Long: Lat:	Northing: 5 360 050m Easting: 384 450m	
		ELEVATION	DEPTH	
		RT/KB/RF: G.L.: 135m	T.D.: 600m TVD: 600m	
ESTIMATES		TARGET HORIZONS		
Spud Date: 22 August 05 Days on Location: 20	Well Cost: \$700,000	Fischelly Br. Cargloner as		

EVALUATION PROGRAM

Ten-metre sample intervals: If high penetration rates	Conventional cores at:
Five-metre sample intervals: From conductor casing to TD	Logs and Tests:
Canned sample intervals:	HRLA - CNL - DSI - MCFL - TLD - CAL

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m)	Cementing Program
244.5	53.6	J55	30	Class A
177.8	25.3	H40	150	Class A
114.3	14.14	J55	600	Class A as per Schlumberger Cement Program
			Cold Marine	
Other Eg	uipment: 21 M	MPa BOPs, R	otating Head, A	nnular Preventer

The undersigned operator's Representative hereby declares that, to the best of the Representative's knowledge, the information contained herein and in the attached retailed program is true, accurate and complete.

u Signed: Operator's tative epre AUTHORIZATION

Date: ..15 August 2005

Whereas the Minister of Nagural Resources has jurisdiction under the Petroleum Drilling Regulations, ("the Regulations").

In accordance with section 32 of the Regulations, the operator named in the Application is authorized to undertake the proposed well program described above subject to the following conditions:

This Authorization shall be prominently displayed at the well site at all times during which operations are being conducted;
 Copies of all logs and well test data shall be submitted to the director by the operator promptly after their acquisition;
 The operator shall comply with all conditions of the Drilling Program Approval No. 2005 -116 - 01 under

under which the above well is to be drilled;

2005-116-01-02

above well is to be unled,
No change in the well program hereby approved may be made unless it is first approved by the director in writing;
This Authorization is conditional on the operator commencing drilling within 120 days of the effective Authorization date; and
The operator shall comply with such other conditions as are appended to this Authorization.

ule C Signed: ... Director

Authority to Drill a Well No.

Effective Date: Sapt. 21 2005

PSN 1000 - P-10



APPENDIX C: CEMENT PROPOSALS AND REPORTS



SURFACE CASING CEMENTATION PROGRAM

Revision:	Version 0
Operating Company:	Vulcan Minerals Inc
Hole Name:	Flat Bay #3
Rig:	Ingersoll Rand RD10
Field:	Flat Bay
Location:	St. Georges Bay,
	Western Newfoundland, Canada
Date Issued:	31 August 2005
Date Revised:	N/A

Purpose

The cement pump to be used is the Bean V65 dual pump rated to 8275-kPa (1200-psi) and 300-l/min (79-gal/min).

Owner and Operator's Name

Vulcan Minerals Inc.

Contact Person for Licence

Patrick Laracy Vulcan Minerals 333 Duckworth Street St. John's, NL A1C 5G1 Tel: 709 754 3186 Fax: 709 754 3946

Drilling Contractor

Vulcan Minerals 333 Duckworth Street St. John's, NL A1C 5G1 Tel: 709 754 3186 Fax: 709 754 3946

On-Site Representation

Thomas Target Rig Manager T.M. Target Consulting Ltd. Cell: 709 649 4957 Karla Smith, P.Eng Project Manager Vulcan Minerals Cell: 709 746 2424

Timing

The proposed cement program is scheduled to occur on second week in September 2005.

Cement Operations Program

Casing Properties

Casing	244.5mm (9 5/8-in)	177.8mm (7-in)
Depth	30-m (98-ft)	150m (492-ft)
Weight	53.6-kg/m (36-lb/ft)	25.3-kg/m (17-lb/ft)
Grade	J-55	H-40
Connection	8rd LTC	8rd STC
Collar OD	10.625-in	7.656-in
Casing Drift ID	8.765-in	6.413-in
Nominal ID	8.921-in	6.538-in

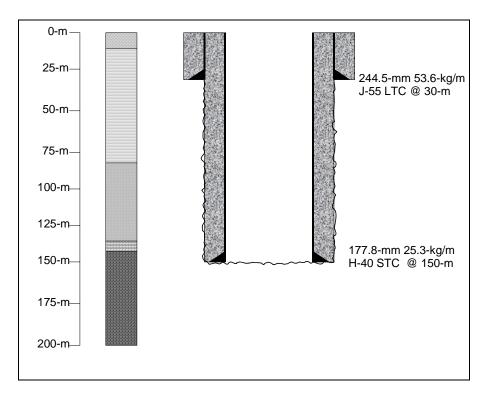
Pumping Volumes

Section	Capacity	Volume	Volume
		(0% Excess)	(75% Excess)
Annular – Casing to Casing	$0.0155 \text{ m}^3/\text{m}$	0.47 m^3	0.47 m^3
Annular – Casing to Open Hole	$0.0118 \text{ m}^3/\text{m}$	1.42 m^3	2.48 m^3
Casing (Shoe Track)	0.0217 m ³ /m	0.20 m^3	0.20 m^3
Casing (Displacement)	0.0217 m ³ /m	3.06 m^3	3.06 m^3
Total	2.08 m^3	3.14 m^3	

Cement System

Additives	Concentration		
Class A Cement			
+ Grace Adva 100	1-liter per m ³ slurry		
(Properties: decrease viscosity and thickness			
without compromising cement strength and anti-			
foam agent)			
Density $1821-kg/m^3$ (15.2-lb/gal)			
Fluid Base 611-litre of fresh water for 1	611-litre of fresh water for 1217-kg cement		

Tested Cement Strength: 21.7-MPa



177.8mm Casing Cementation Operations

- 1. Ensure casing is run with sufficient centralization (1 centralizer every 2 casing joints).
- 2. Check mud pump efficiency and open hole excess requirement.
- 3. Rig up cementing equipment and connect Gardner Denver PY7 triplex pump to freshwater tank.
- 4. Conduct Safety and Procedures meeting with all personnel on location.
- 5. Pressure test treating lines to anticipated maximum surface pressure of 1000-kPa (note cement plug will be bumped with rig pump).
- 6. Prepare to conduct cement job.
- 7. Pump 0.5m^3 of freshwater spacer.
- 8. Pump pre-mix cement (estimated 3.1 m³ assuming shoe at 150-m, 3-m rig elevation to ground level, 9-m shoe track and 75% access required) at a rate of approximately 0.3-m³/min. Collect at least 3 samples of pre-mixed cement at regular intervals of the pumping operation.
- 9. Drop 177.8mm solid top plug.
- 10. Chain down casing or hold down casing with topdrive to prevent floatation.
- 11. Displace cement with required volume fluid (estimated 3.0 m³ assuming shoe at 150-m and 9-m shoe track) with Gardner Denver PY7 Triplex pump at a rate of 0.6-m³/min assuming 95% pumping efficiency.
- 12. For the last 0.5m³ of displacement with water, slow pumping by idling the triplex pump and land plug a minimum of 2000-kPa over the final pumping pressure. Collect samples of cement returns and label.
- 13. Bleed pressure off and ensure that the float is holding.
- 14. Rig down cementing equipment.

Contingency for 177.8mm (7-in) Intermediate Casing

Plug Does Not Bump

The scenario that the plug does not bump, that means the casing cannot be pressure testing with wet cement. Therefore, if plug does not bump then the casing pressure test shall be conducted after cement is set.

Back Flow After Bumping Plug

After successfully bumping the plug, pressure shall be released and backflow measured. If there is indication that the float did not hold, then pressure shall be returned such to stop the backflow while waiting on cement.



APPENDIX D: WELL TERMINATION RECORD & WELL SCHEMATIC



GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Natural Resources, Energy Branch PRD-949/40

WELL TERMINATION RECORD

WELL DATA					
Well Name: Flat Bay #3		CO-ORDINATES			
Operator: Vulcan Minerals Inc.	Long: Lat:	UTM (NAD 27)			
Drilling Rig: Ingersoll Rand RD10		Northing: 5360084.76 Easting: 384421.89			
Rig Type: Hydraulic Single	ELEVATION	DEPTH			
Drilling Contractor: Vulcan Minerals Inc.	RT/KB/RF: 48.66 G.L.: 45.36	TD: 370 TVD: 370			
	FOR NR USE ONLY				
Spud Date: 7 October 2005 TD Date: 12 October 2005 Rig Release Date: 14 October 2005 Well Termination Date: 14 October 2005	For the purpose of interpreting subsection 154(5) of the Petroleum Drilling Regulations, the rig release date is deemed to be: 				

CASING AND CEMENTING PROGRAM

O.D. (mm)	WEIGHT (kg/m)	GRADE	SETTING DEPTH (m)	CEMENTING DETAILS
244.5	53.6	J-55	29	0.5m ³ preflush, 2m ³ 1820-kg/m3 Class A, cement returns
177.8	25.6	H-40	142.57	0.5m ³ preflush, 3m ³ 1820-kg/m3 Class A, cement returns
	·			

PLUGGING PROGRAM

Approval of the following program was obtained by (person) Karla Smith from (person) Wes Foote Letter of the Department of Natural Resources by means of 14 October 2005 dated

Type of Plug	Interval	Felt/Pressure Tested	Cement and Additives	

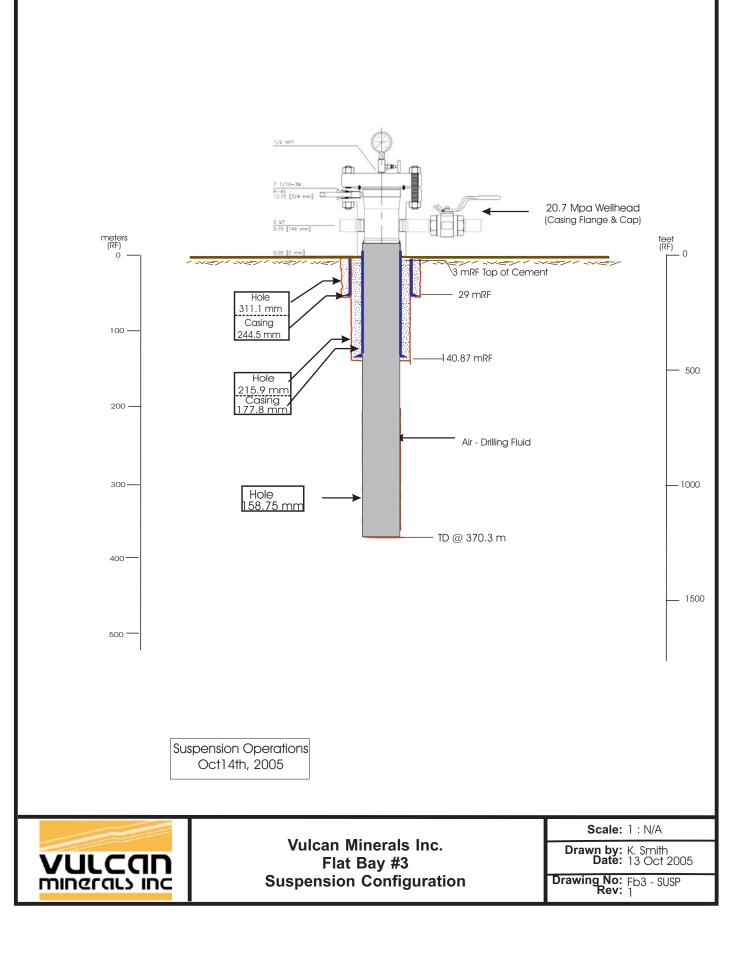
Lost Circulation/Overpressure Zones:

Downhole Completion/Suspension Equipment:

Capped with wellhead - see attached sketch

(Describe and Attach Sketch)

DECLARATION s's Representative hereby declares that on the basis of personal knowledge of operations undertaken at the above The undersigned operate named well, the above information is true, accurate and complete. Operator's Representative Signed 29 .Date Nov 03/05 LANA KRick Name ACKNOWLEDGEMENT Date 14 Jan 04 Acknowledged | ctor







GOVERNMENT OF NEWFOUNDLAND AND LABRADOR Department of Natural Resources, Energy Branch PRD -949/40

WELL TERMINATION RECORD

WELL DATA

Well Name: Flat Bay #3a	CO-ORDINATES		
Operator: Vulcan Minerals Inc.		UTM (NAD 25)	
Drilling Rig: Ingersoll Rand RD10	Long: Lat:	Northing: 5360084 Easting: 384410	
Rig Type: Hydraulic Single Drilling Contractor: Vulcan Minerals Inc.	ELEVATION	DEPTH	
	RT/KB/RF: 48.66 G.L.: 45.36	TD: 36 TVD: 36	
	FOR NR USE ONLY		
Spud Date: 1 October 2005 TD Date: 1 October 2005 Rig Release Date: 1 October 2005 Well Termination Date: 1 October 2005	For the purpose of interpreting subsection 154(5) of the Petroleum Drilling Regulations, the rig release date is deemed to be 		

CASING AND CEMENTING PROGRAM

O.D. (nim)	WEIGHT (kg/m)	GRADE	SETTING DEPTH (m)	CEMENTING DETAILS
244.5	53.6	J-55	18.7	0.5m ³ preflush, 2m ³ 1820-kg/m3 Class A, cement returns
	·**.			

PLUGGING PROGRAM

	Interval	Felt/Pressure Tested	Cement and Additives
Type of Plug			2m ³ 1820-kg/m ³ Class A
Cement	36m to surface	visible	

Lost Circulation/Overpressure Zones:

Downhole Completion/Suspension Equipment:

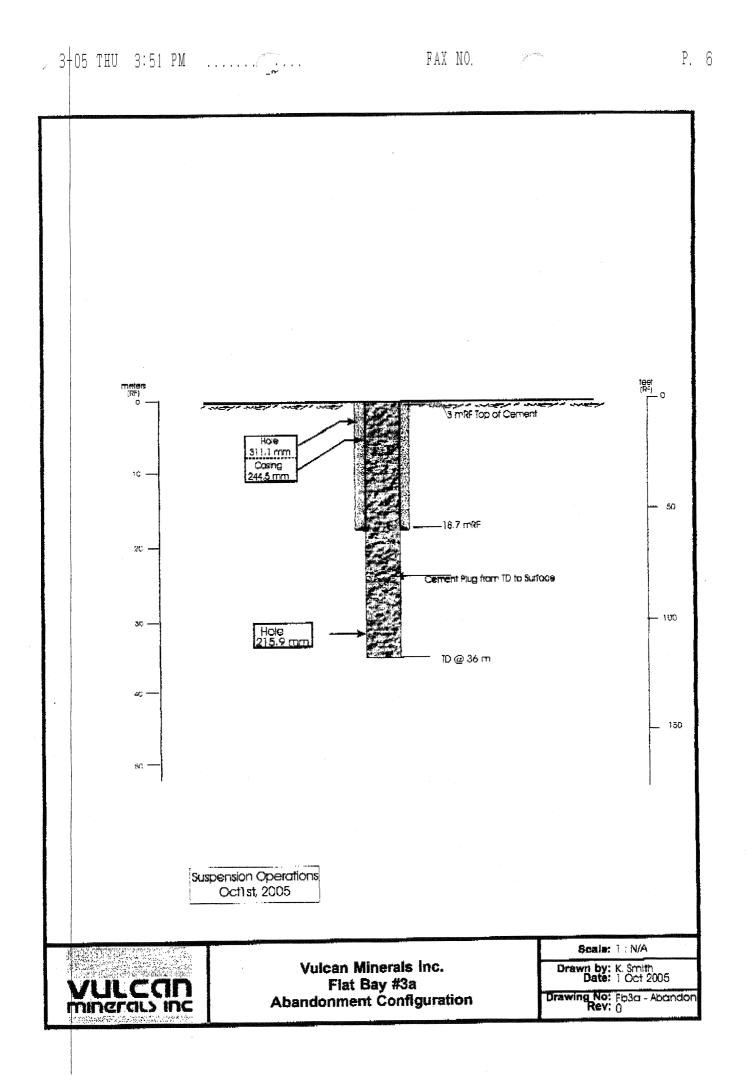
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......

See attached sketch

(Describe and Attach Sketch)

DECLARATION DECLARATION
The undersigned operator's Representative hereby declares that on the basis of personal knowledge of operations undertaken at the above information is truepaccurate and complete.
named well, the above information is interact that and compared
God h A faring Tite / Ver for Operator's Representative
Signed Tath N Janny Title The Der Guerror's Representative
Name Frighch LANAry Date 1000.05/05.
ACKNOWLEDGEMENT
Acknowledged by Date M. Au Date
Detector



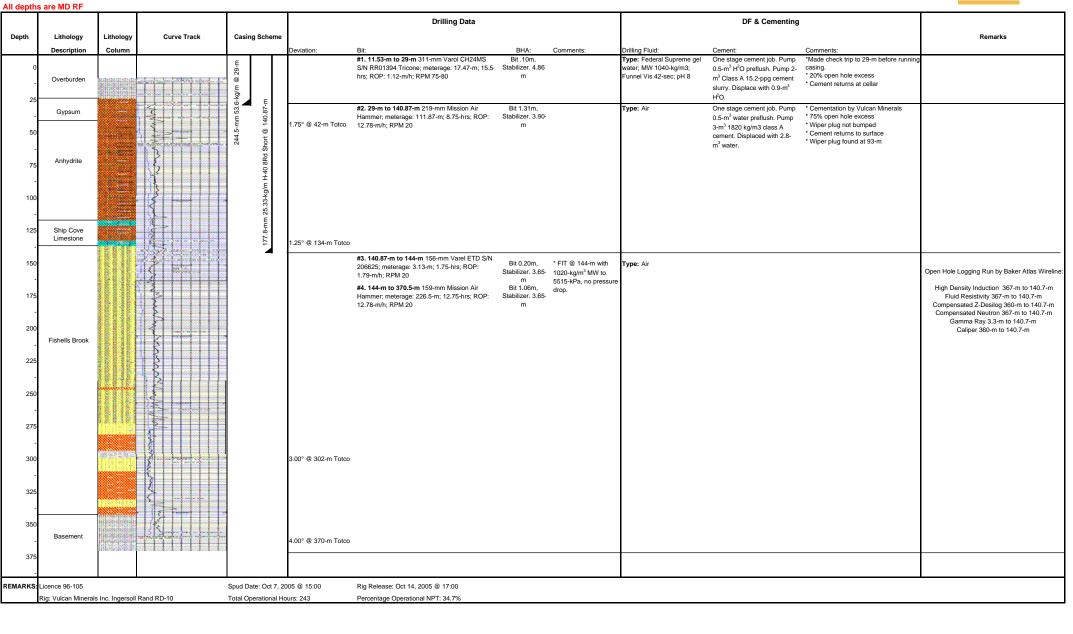


APPENDIX E: COMPOSITE WELL RECORD & TIME VERSUS DEPTH CURVE

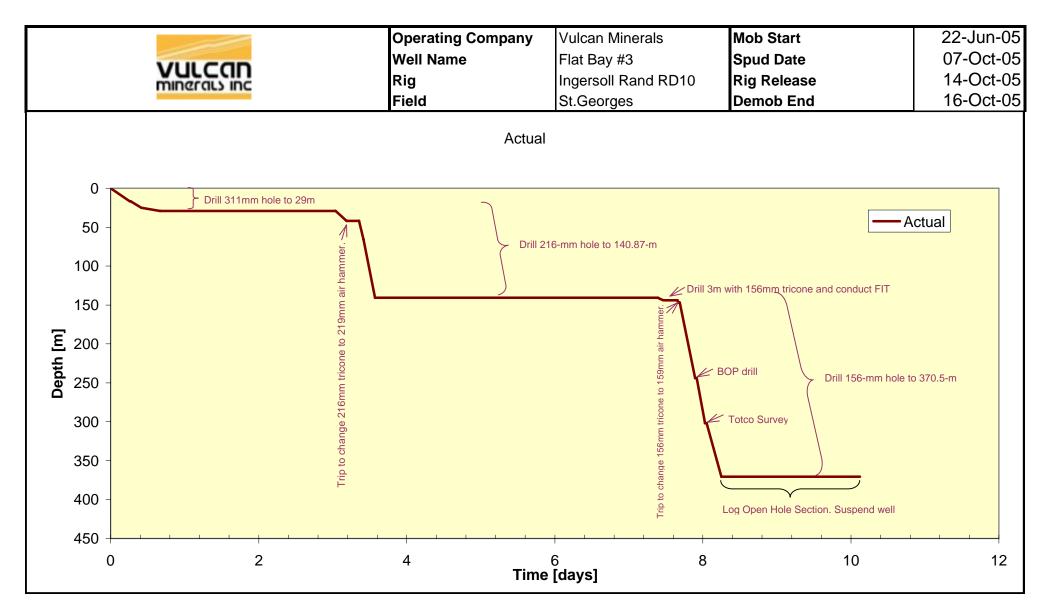
Flat Bay #3 Exploration Well, October 2005

Position: projection NAD 27: 384421.89-mE, 5360084.76-mN, GL + 45.36-m, RF = + 3.3-mGL









Total Non-Productive Time 34.67%



APPENDIX F: DRILL CUTTINGS DESCRIPTION & LITHOLOGY

Geological Report on

VULCAN MINERALS FLAT BAY #3

in Western Newfoundland

for VULCAN MINERALS INC.

Prepared for: Patrick Laracy **Prepared by:** Corey Fitzgerald BSc.

Corey Fitzgerald will use his best effort to furnish his customers with good interpretations and information relating to oil and (or) gas shows. However, Corey Fitzgerald cannot and does not guarantee the accuracy of such information and interpretation and shall not be liable or responsible for liabilities incurred by customer resulting from same.

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WELL ABSTRACT

Based on seismic anomalies, and data gathered from previous drilling in the area Vulcan Minerals decided to drill the <u>FLAT BAY # 3</u> prospect. This well was spudded on October 4th, 2005 @ 1415 hrs. Surface casing was set @ 140.87 meters and a 159 mm main hole was drilled to a depth of 370.5 meters using AIR. Total Depth was reached on October 12th, 2005 @ 1940 hrs. The well was terminated in basement rock; a granitic looking intrusive / metamorphic rock containing abundant quartz, k-feldspar and a soft dark micaceous looking sometime magnetic material possibly hornblende. The top of the terminating rock is 341.0 meters. Live hydrocarbons was encountered @ approximately 45.0 meters within the evaporitic anhydrite / gypsum section and continued and increased into the Fichells Brook Conglomerate (136.0 meters) down to a depth of approximately 195.0 meters where only trace occurrences are present.

WELL DATA SUMMARY

	X7 1 X C	1 7	
Operator:	Vulcan Minerals Inc.		
Client Name:	Vulcan Minerals Inc.		
Well Name:	Flat Bay # 3		
Well Licence Number:	96-105		
Surface Location:	Western Newfoundland, Canada		
Surface Co-ordinates:	Northing: 5360084.76m Easting: 384421.89m		
Bottom Hole Location:	Western Newfoundland, Canada		
Bottom Hole Co-ordinates:	Northing: 5360084.76m Easting: 384421.89m		
Primary Objective:	Test seismic targets		
Spud Time and Date:	1830hrs 10/07/2005		
Total Depth Time and Date:	1800hrs 10/12/2005		
Well Status:	Suspended		
Elevations:	Ground:	45.36 m K.B.:	48.66 m
Total Depth:	Driller:	370.50 m Logger:	370.20 m
Terminating Formation:	Undefined		
Sample Interval:	From:	9.40 m To:	370.50 m
Gas Detector:	Operated from 29.0 - 370.5 meters.		
Geologist:	Corey Fitzgerald		
Drilling Foreman:	Tom Targett		
Comments:	The well was drilled with AIR from 140.87 to 370.5 meters. Gas detection with this system appears to be of poor quality.		

FORMATION TOPS

Formation	Prognosis	Sample Depth	Log Depth
	MD	MD	MD
OVERBURDEN	0.00	0.00	0.00
GYPSUM	12.00	24.00	N/A
ANHYDRITE	85.00	41.00	43.00
SHIP COVE LIMESTONE	137.00	116.00	119.00
FISCHELLS BROOK	142.00	136.00	132.00
BASEMENT	401.00	341.00	340.00

BIT RECORD

Bit #	Size (mm)	Туре	Depth In (m)	Depth Out (m)	Meters Drilled	Hours	Condition
1	311.00	Varel	0.00	29.00	29.00	18.5	
2	216.00	Mission	29.00	140.90	111.90	8.75	
1	156.00	Varel	141.00	144.00	3.00	4.75	49.0 meters of cement drilled
2	159.00	Mission	144.00	370.50	126.50	12.75	

Logging	Company:	Baker	Hughes		G.L. (m):	45.36		
Engineer	r:	Y. (Obiri		K.B. (m):	48.66		
Truck #:	:	HSL	8616		Mud Type:	AIR		
Mud Dei	nsity (Kg/M):	N	/A		Bit Size (mm):	159.00		
Water L	oss (C.C.'s):	N	/A		Depth: Driller (m)	370.50		
Viscosity	v (Sec):	N	/A		Depth: Logger (m)	370.20		
RM:	N/A	Ohm-m @	N/A	${}^{0}C$	Casing: Driller (m)	140.87		
RMF:	N/A	Ohm-m @	N/A	${}^{0}C$	Casing: Logger (m)	140.70		
RMC:	N/A	Ohm-m @	N/A	^{0}C				
Hole Conditions Remarks Prior to Logging: Good								

LOGGING REPORT

Sequence of Operations

Logs	Time Spent	Remarks
		Neutron log is not compensated. Only Short
		Spaced Neutron counts were displayed due to
HDIL/ZDL/CN/GR	1.5	'Air filled borehole'

Run in Hole:	1	Succeeded:	1	Failed:	
Comments:					

MECHANICAL SUMMARY

Hole Size and Casing Summary

Stage	Hole Size	Interval	Casing	Casing
	(mm)	(m)	Size	Wt/Grd/Thread
Surface	216.00	0 – 140.87	177.8mm, 28.8 kg/m	H-40 STC

Mud System Summary

Mud Company:	N/A		Intervals (m – m)
Mud Type:	Surface:	AIR	29.0 - 140.87
	Main Hole:	AIR	140.87 - 370.5

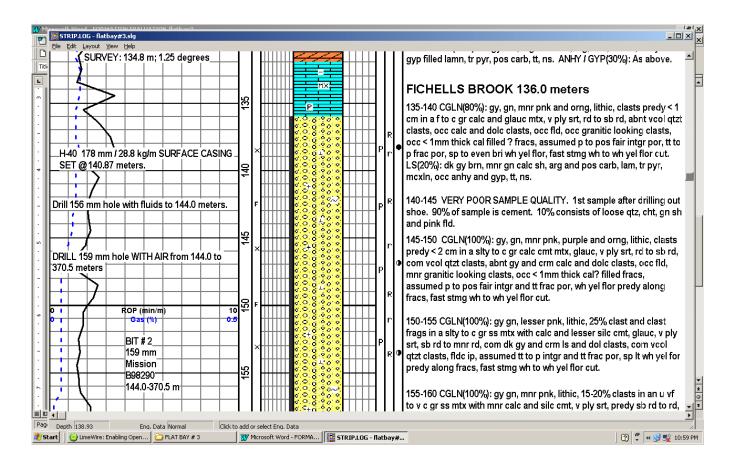
Deviation Surveys

Depth	Angle
42.0	1.75
134.75	1.25
302.0	3.0
370.5	4.0

FORMATION EVALUATION

Fichells Brook Conglomerate (135.0 meters - log depth)

The Fichells Brook Conglomerate in this well is described as a grey, green with minor pink, purple and orange, lithic, conglomerate. Clasts vary in abundance and make up to 50% of sample and consist predominantly of limestone and dolomite with varying amounts of quartzite and granitic looking clasts, in a silty to coarse grained calcareous cement matrix. The conglomerate is glauconitic, very poorly sorted, rounded to sub rounded, common varicolored quartzite clasts, abundant gray and cream calcareous and dolomitic clasts, occasional feldspar and minor granitic looking clasts. Also present are occasional < 1 mm thick calcite? filled fractures, assumed poor to possible fair intergranular and tight fracture porosity. Indication of hydrocarbons first appear in fractures within the anhydrite directly above the Fischells Brook conglomerate. Within the Fichells Brook, hydrocarbons occur at 136.0 meters down to approximately 195.0 meters where only trace amounts occur. The show is described as; white yellow fluorescence predominantly along fractures, occasionally on grains, with a fast streaming white to white yellow fluorescence cut. The Fischell's Brook conglomerate appears to have poor reservoir potential in this well.



DETAILED SAMPLE DESCRIPTIONS

Geologist: Corey Fitzgerald. SPUDDED on Oct. 4th, 2005 at 1415hrs. Total Depth of 370.5 meters reached on October 12th, 2005 @ 1940 hrs

10-15 OVERBURDEN / TILL: predominant white to translucent quartz grains and fragments, fine grained to possible pebble, firm, occasional feldspar, occasional biotite, common calcareous material, occasional dark green crystalline fragments, occasional varicolored chert grains and fragments, predominantly angular, clean, minor gypsum and anhydrite, unconsolidated, common vitreous quartz.

15-20 OVERBURDEN: As above, with an increasing salt and pepper very fine to fine sand component.

20-24 OVERBURDEN: light gray to translucent to white, abundant angular varicolored quartz and chert grains and fragments, very fine grained to pebble, minor biotite, common dark green, crystalline fragments, occasional hard siliceous sandstone.

24-29 OVERBURDEN(50%): As above.

GYPSUM(50%): white, predominantly microcrystalline and slightly chalky, soft to slightly firm in places, massive, occasional limestone, minor dolomitic material, possible minor crystalline anhydrite, weak oil odour when acid added, minor yellow fluorescence, no fluorescence cut.

29-35 GYPSUM(100%): white to light white gray, soft, chalky to microcrystalline, massive, minor dark argillaceous material?, 40% of sample is possibly light white gray microcrystalline anhydrite, 10 to 15% light gray brown microcrystalline to crystalline argillaceous limestone stringers, tight, no shows.

35-40 GYPSUM (100%): white to light white gray, soft, chalky to microcrystalline, massive, minor dark argillaceous material?, 30 to 40% of sample is either microcrystalline gypsum or a light white gray microcrystalline anhydrite, 15 to 20% light gray brown microcrystalline to crystalline argillaceous limestone stringers, tight, no shows.

40-45 ANHYDRITE (80%): blue gray, gray brown, lesser light white gray, microcrystalline to slightly cryptocrystalline, slightly argillaceous in part, dolomitic and calcareous in part possible as stringers, blocky, firm, tight, no shows.

GYPSUM(20%): white to light white gray, predominantly chalky to lesser microcrystalline, soft, massive, tight, no visible cut, faint white yellow oil residue.

45-50 ANHYDRITE(90%): blue gray to increasing gray brown, minor light white gray, firm in part, microcrystalline, argillaceous in part, increasing calcareous and lesser dolomitic within gray brown material, blocky, tight, light faint white yellow oil residue when tested for cut. **GYPSUM(10%):** As above, gypsum getting powdered when drilled and getting washed out of sample.

50-55 ANHYDRITE(70%): blue gray to gray brown, firm, microcrystalline, argillaceous in part, calcareous and lesser dolomitic within gray brown anhydrite, blocky, tight, minor white yellow fluorescence, faint light white yellow oil residue.

GYPSUM(30%): white to light white gray, predominantly chalky to lesser microcrystalline, soft, powdery, massive.

55-60 ANHYDRITE(65%): blue gray to gray brown, firm, microcrystalline, argillaceous in part, calcareous and lesser dolomitic within gray brown material, blocky, tight, minor white yellow fluorescence, faint light white yellow oil residue.

GYPSUM(35%): white to light white gray, predominantly chalky to lesser microcrystalline, soft, powdery, massive, tight, no shows.

60-65 ANHYDRITE (100%): blue gray to gray brown, lesser light white gray, common gypsum, firm, microcrystalline, 30% gray brown argillaceous limestone and lesser dolomitic anhydrite / gypsum fragments, blocky, frosted, tight, possible fracture porosity, minor white yellow fluorescence, faint light white yellow oil residue.

65-70 ANHYDRITE (**60%**): blue gray to gray brown, lesser light white gray, firm, microcrystalline, 30% gray brown argillaceous limestone and lesser dolomitic anhydrite / gypsum fragments, blocky, frosted, tight, possible fracture porosity, no shows. **GYPSUM(40%):** soft chalky to lesser microcrystalline, massive, possible spotty to even oil

staining, spotty yellow fluorescence, slow to moderately streaming white to very faint white yellow fluorescence cut.

70-75 GYPSUM(40%): soft, chalky to lesser microcrystalline, minor crystalline, massive, possible even light brown oil staining, show as described in anhydrite.

ANHYDRITE (60%): blue gray to gray brown, lesser light white gray, firm, microcrystalline, 30% gray brown argillaceous limestone and lesser dolomitic stringers, blocky, frosted, tight, possible fracture porosity, oil odour when acid added, spotty to even light brown oil staining, even yellow fluorescence, slow to moderately streaming white fluorescence cut, white to white yellow fluorescence residue.

75-80 ANHYDRITE(80%) / GYPSUM(20%): blue gray, gray brown, white gray, microcrystalline to lesser crystalline in part, clean, massive, frosted, white chalky soft massive gypsum, firm, 15 to 20% calcareous and lesser dolomitic sections, tight, possible poor fracture porosity, trace to spotty white to white yellow fluorescence predominantly along thin fractures, slow streaming white to faint white yellow fluorescence cut, white to white yellow oil residue.

80-90 ANHYDRITE(90%) / GYPSUM(10%): blue gray, gray brown, white gray, white chalky soft massive gypsum, microcrystalline to lesser crystalline in part, massive, frosted, firm, common calcareous and dolomitic sections, tight, possible fracture porosity, show as above.

90-95 ANHYDRITE(90%) / **GYPSUM(10%):** blue gray, gray brown, white gray, white chalky soft massive gypsum, microcrystalline to lesser crystalline in part, massive, frosted, firm, common calcareous and dolomitic sections, tight, possible poor fracture porosity, spotty yellow fluorescence predominantly along assumed < 1mm fractures, no visible cut, faint white yellow oil residue.

95-100 ANHYDRITE(80%) / GYPSUM(20%): blue gray to increasing gray brown and cream, lesser white gray, white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, hard, common calcareous and dolomitic sections, rare pyrite, tight, possible fracture porosity, spotty yellow fluorescence, slow white to light white yellow fluorescence cut, faint white yellow oil residue.

100-110 ANHYDRITE(75%) / GYPSUM(25%): light gray to common gray brown and cream, lesser blue gray, white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, hard, common gray brown and cream argillaceous calcareous and dolomitic sections, tight, possible fracture porosity, spotty yellow fluorescence, slow white to light white yellow fluorescence cut, faint white yellow oil residue.

110-115 ANHYDRITE(75%) / GYPSUM(25%): white gray to gray brown and cream, lesser blue gray, white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, argillaceous in part, hard, common gray brown and cream calcareous and dolomitic sections, tight, possible poor fracture porosity, spotty yellow fluorescence along fractures, slow white to light white yellow fluorescence cut, faint white yellow oil residue.

115-120 LIMESTONE(40%): brown gray, firm, blocky, argillaceous, frosted, tight, no shows. **ANHYDRITE(25%) / GYPSUM(35%):** white gray to gray brown and cream, lesser blue gray, white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, argillaceous in part, hard, common gray brown and cream calcareous and dolomitic sections, tight to poor intercrystalline porosity, possible poor fracture porosity, possible light brown oil stain, spotty white to dull yellow fluorescence, moderately white to light white yellow fluorescence cut, faint white yellow oil residue.

120-125 ANHYDRITE(85%) / GYPSUM(15%): gray brown and cream, lesser white gray and blue gray, minor white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, argillaceous in part, hard, trace sand grains, common gray brown and cream calcareous and dolomitic sections, tight, possible poor fracture porosity, spotty yellow fluorescence, moderately to slow white to light white yellow fluorescence cut, white yellow oil residue.

125-130 LIMESTONE(40%): dark gray brown, argillaceous, massive, microcrystalline, firm, tight, no shows.

ANHYDRITE(45%) / GYPSUM(15%): gray brown and cream, lesser white gray and blue gray, minor white chalky soft massive gypsum, microcrystalline to crystalline, massive, frosted, argillaceous in part, hard, trace sand grains, common gray brown and cream calcareous and dolomitic sections, tight, possible poor fracture porosity, spotty to even light brown oil stain, even yellow fluorescence along fractures, moderately to slow white to light white yellow fluorescence cut, white yellow oil residue.

130-135 LIMESTONE(70%): dark gray brown, trace green calcareous shale, argillaceous, firm, microcrystalline, anhydrite and gypsum filled lamination, trace pyrite, possible carbonaceous, tight, no shows.

ANHYDRITE / GYPSUM(30%): As above.

FICHELLS BROOK 136.0 meters

135-140 CONGLOMERATE(80%): gray, green, minor pink and orange, lithic, clasts predominantly < 1 cm in a fine to coarse grained calcareous and glauconitic matrix, very poorly sorted, rounded to sub rounded, abundant varicolored quartzite clasts, occasional calcareous and dolomitic clasts, occasional feldspar, occasional granitic looking clasts, occasional < 1mm thick calcite filled ? fractures, assumed poor to possible fair intergranular porosity, tight to poor fracture porosity, spotty to even bright white yellow fluorescence, fast streaming white to white yellow fluorescence cut.

LIMESTONE(20%): dark gray brown, minor green calcareous shale, argillaceous and possible carbonaceous, laminated, trace pyrite, microcrystalline, occasional anhydrite and gypsum, tight, no shows.

140-145 VERY POOR SAMPLE QUALITY. 1st sample after drilling out shoe. 90% of sample is cement. 10% consists of loose quartz, chert, green shale and pink feldspar.

145-150 CONGLOMERATE(100%): gray, green, minor pink, purple and orange, lithic, clasts predominantly < 2 cm in a silty to coarse grained calcareous cement matrix, glauconitic, very poorly sorted, rounded to sub rounded, common varicolored quartzite clasts, abundant gray and cream calcareous and dolomitic clasts, occasional feldspar, minor granitic looking clasts, occasional < 1mm thick calcite? filled fractures, assumed poor to possible fair intergranular and tight fracture porosity, white yellow fluorescence predominantly along fractures, fast streaming white to white yellow fluorescence cut.

150-155 CONGLOMERATE(100%): gray green, lesser pink, lithic, 25% clasts and clast fragments in a silty to coarse grained sandstone matrix with calcareous and lesser siliceous cement, glauconitic, very poorly sorted, sub rounded to minor rounded, common dark gray and cream limestone and dolomite clasts, common varicolored quartzite clasts, feldspathic in part, assumed tight to poor intergranular and tight fracture porosity, spotty light white yellow for predominantly along fractures, fast streaming white to white yellow fluorescence cut.

155-160 CONGLOMERATE(100%): gray green, minor pink, lithic, 15 to 20% clasts in an upper very fine to very coarse grained sandstone matrix with minor calcareous and siliceous cement, very poorly sorted, predominantly sub rounded to rounded, minor sub angular, common k to feldspar, common green material, common varicolored siliceous clasts, occasional dark gray and cream limestone and lesser dolomitic clasts, occasional granitic clasts, occasional thin calcite? filled fractures, minor kaolinitic, assumed tight to possible poor intergranular and tight fracture porosity, show as above.

160-170 CONGLOMERATE(100%): gray green, minor pink, lithic, 15 to 20% clasts in an silty to very coarse grained sandstone matrix with minor calcareous and siliceous cement, very poorly sorted, predominantly sub rounded to rounded, minor sub angular, common k to feldspar, common green material, common varicolored siliceous clasts, occasional dark gray and cream limestone and dolomitic clasts, occasional thin calcite? filled fractures, minor kaolinitic, assumed tight to possible poor intergranular and tight fracture porosity, spotty light white yellow fluorescence, fast streaming light white yellow fluorescence cut.

170-175 CONGLOMERATE(100%): gray green, minor pink, lithic, 15 to 20% clasts in an upper very fine to very coarse grained sandstone matrix with minor calcareous and siliceous cement, very poorly sorted, predominantly sub rounded to rounded, minor sub angular, common k to feldspar, common green material, common varicolored siliceous clasts, occasional dark gray and cream limestone and dolomitic clasts, occasional thin calcite? filled fractures, minor kaolinitic, assumed tight to possible poor intergranular and tight fracture porosity, spotty light white yellow

fluorescence, fast streaming light white yellow fluorescence cut.

175-180 CONGLOMERATE(100%): gray green, minor pink, lithic, 25 to 30% pebble < 1 cm, medium to very coarse grained sandstone matrix, trace calcareous and siliceous ? cement, poorly sorted, rounded to sub rounded, common pink and orange feldspar, common green possible glauconitic material, common varicolored cherty clasts, occasional limestone and lesser dolomitic clasts, occasional thin fractures partly filled with white material possible calcite, assumed tight to possible poor intergranular and tight fracture porosity, spotty light oil stain, spotty light white yellow fluorescence, fast streaming white yellow fluorescence cut.

180-185 CONGLOMERATE(100%): As above, lithic, 20% clasts in a fine to very coarse grained sandstone matrix with minor calcareous and siliceous cement, very poorly sorted, predominantly sub rounded to rounded, common limestone and dolomitic clasts, minor kaolinitic, assumed tight to possible poor intergranular and tight fracture porosity, show as above.

185-190 CONGLOMERATE(100%): light gray cream to light gray green, minor pink, lithic, 15% pebble, predominant very fine to coarse grained, common very coarse grained sandstone matrix, minor calcareous cement, poorly sorted, rounded to sub rounded, occasional to common k to feldspar and green possible glauconitic grains, common varicolored calcareous grains, occasional limestone and varicolored chert clasts, tight to possible poor intergranular and poor fracture porosity, possible trace to spotty light oil stain, trace to spotty white yellow fluorescence, fast streaming white yellow fluorescence cut.

190-195 CONGLOMERATE(100%): light gray green to light gray cream, minor pink, lithic, 15 to 20% < 1 cm clasts, predominantly fine to coarse grained lesser silt and very coarse grained sandstone matrix, minor calcareous and trace siliceous cement, poorly sorted, sub rounded to rounded, abundant varicolored limestone grains and clasts, occasional chert clasts, occasional to common k to feldspar, occasional granitic looking clasts, glauconitic, tight to poor intergranular porosity, assumed poor fracture porosity, trace white yellow fluorescence, fast streaming white yellow fluorescence cut.

195-200 CONGLOMERATE(100%): pink / green gray, lithic, 15% predominantly dark gray cryptocrystalline limestone clasts, silty to coarse grained matrix, calcareous and lesser siliceous cement, poorly sorted, predominantly sub rounded to lesser sub angular, common soft green material, common pink and orange feldspar and quartz grains, minor siliceous grains and clasts, common varicolored calcareous grains, slightly ferruginous staining, tight to poor intergranular porosity, poor fracture porosity, trace to trace spotty yellow fluorescence, fast streaming white yellow fluorescence cut.

200-210 CONGLOMERATE(100%): green / pink gray, lithic, 40% clasts < 2 cm, predominantly fine to very coarse sandstone matrix, silty in part, minor calcareous and trace siliceous cement, very poorly sorted, sub rounded to lesser sub angular, abundant predominantly dark gray and white cream with lesser varicolored limestone and increasing dolomitic grains and clasts, common deep red brown and green siliceous clasts, minor dark chert clasts, glauconitic in part, occasional to common soft green material, feldspathic in part, tight to poor intergranular porosity, porosity fracture porosity, rare white yellow fluorescence, show as above.

210-215 CONGLOMERATE(100%): green / pink gray, lithic, 50% clasts, predominantly fine to very coarse sandstone matrix, silty in part, minor calcareous and trace siliceous cement, very poorly sorted, sub rounded to lesser sub angular, abundant predominantly dark gray and white cream with lesser varicolored limestone and common dolomitic grains and clasts, common red brown and green siliceous clasts, glauconitic in part, occasional to common soft green material, feldspathic in part, minor ferruginous staining, tight to poor intergranular and fracture porosity, no shows.

215-220 CONGLOMERATE(100%): green / pink gray, lithic, 40% clasts, predominantly fine to very coarse sandstone matrix, silty in part, minor calcareous and trace siliceous cement, kaolinite in part, very poorly sorted, sub rounded to minor sub angular, abundant predominantly dark gray and white cream with minor varicolored limestone and dolomitic clasts, common red brown and green siliceous clasts, common soft green material, increasingly feldspathic, tight to poor intergranular and fracture porosity, trace white yellow fluorescence, moderately streaming white yellow fluorescence cut.

220-225 CONGLOMERATE(100%): As above, lithic, 20 to 25% clasts, predominantly fine to very coarse sandstone matrix, silty in part, calcareous and kaolinite cement, sub rounded, abundant limestone and dolomitic clasts, common siliceous clasts, common soft green material, feldspathic, tight to poor intergranular and fracture porosity, rare white yellow fluorescence, moderately streaming white yellow fluorescence cut.

225-230 CONGLOMERATE(100%): green / pink gray, lithic, 25 to 30% clasts, predominantly silty to medium grained, occasional to common coarse grained and lesser very coarse grained matrix, minor calcareous and kaolinitic cement, trace siliceous cement, very poorly sorted, rounded to sub angular, common cryptocrystalline to microcrystalline cream and dark gray limestone and dolomite clast, occasional k to feldspar, common green possible kaolinite material, common varicolored quartzic clasts, assumed tight to poor intergranular and fracture porosity, no shows.

230-235 CONGLOMERATE(100%): green / pink gray, lithic, 25% clasts, predominantly silty to lesser coarse grained matrix, minor calcareous and increasing kaolinitic cement, trace siliceous cement, poorly sorted, rounded to sub angular, common cryptocrystalline to microcrystalline limestone and dolomite clast, occasional k to feldspar, common green material, trace hemitite,

assumed tight to poor intergranular and fracture porosity, no shows.

235-240 SANDSTONE / CONGLOMERATE(60%): red brown, light gray, lithic, 5% clasts, predominantly silty to medium grained, occasional to common coarse to very coarse grained, very poorly sorted, rounded to sub angular, minor calcareous lesser siliceous cement, occasional white and green kaolinitic material, occasional cream and gray calcareous and dolomitic clasts and grains, occasional white chalky calcareous material, occasional varicolored quartzitic clasts, occasional k to feldspar, common green material, firm to friable, tight to poor intergranular porosity, rare white yellow fluorescence, slow streaming white yellow fluorescence cut.

SILTSTONE / CLAYSTONE(40%): red brown, silty, sandy in part, abundant red brown clay, calcareous, siliceous in part, predominantly soft, micaceous in part, slightly argillaceous in part, hemititic, trace magnetic material.

240-245 CONGLOMERATE(100%): As above, pink gray, lithic, 30% clasts, calcareous, poorly sorted, sub rounded to sub angular, kaolinite in part, common varicolored limestone and dolomitic clasts, occasional siliceous clasts, kaolinite in part, common pink feldspar, tight, no shows.

245-250 CONGLOMERATE(100%): orange green gray, lithic, 25% predominantly limestone, dolomite and lesser quartzitic clasts, fine to coarse sandstone matrix, minor calcareous and increasing kaolinitic cement, possible trace siliceous cement, poorly sorted, sub rounded to sub angular, occasional k to feldspar, occasional to common green either glauconitic or kaolinitic material, common calcareous and dolomitic grains, rare pyrite, rare hemitite, minor ferruginous staining, tight, no shows.

250-255 CONGLOMERATE(100%): As above, orange gray, lithic, 30 to 35% limestone, dolomite and minor quartzitic clasts, calcareous and common kaolinite cement, fine to very coarse grained, sub rounded to sub angular, feldspathic, hemititic, occasional ferruginous staining, possible sideritic, assumed tight to poor porosity, no shows.

255-260 CONGLOMERATE(100%): orange pink gray, lithic, 35% clasts as above, upper fine to coarse grained, calcareous and kaolinite cement, sub angular to sub rounded, common ferruginous staining, common k to feldspar, minor red brown siltstone, siliceous in part, common dark green firm to soft possible mafic clasts,

260-265 CONGLOMERATE(100%): orange pink, lithic to sub lithic, 10 to 15% clasts, calcareous and siliceous cement, kaolinite in part, predominantly sub angular to minor sub rounded, ferruginous staining, common k to feldspar, minor red brown siltstone, trace hemitite, occasional dark green material, assumed tight to poor intergranular porosity.

265-270 CONGLOMERATE(100%): red brown, green gray, lithic, 25% limestone to dolomite to quartzite to granitic clasts, very fine to coarse grained with occasional very coarse grained sandstone matrix, minor calcareous and lesser siliceous cement, slightly kaolinitic, abundant red brown and orange tan siliceous grains and fragments, occasional green material, occasional k to feldspar, tight to poor intergranular porosity, no shows.

270-275 SANDSTONE / SILTSTONE(100%): red brown to white, lithic, upper fine to very coarse grained, poorly sorted, rounded to sub rounded, 25 to 30% of sample is a red brown calcareous siltstone/claystone, 15% white kaolinite, occasional limestone grains, occasional green grains, friable, tight to poor intergranular porosity, trace yellow fluorescence, rare white yellow moderately streaming fluorescence cut.

275-280 SANDSTONE / SILTSTONE(100%): red brown to white, lithic, fine to medium grained, very silty, possible a very sandy siltstone, poorly sorted, rounded to sub rounded, 40% of sample is a red brown calcareous siltstone/claystone, 40% white kaolinite, occasional limestone grains, occasional green grains, friable, tight to poor intergranular porosity, no shows.

280-285 SILTSTONE(100%): red brown to white, lithic, occasional very fine to fine grained sand, possible a sandy siltstone, poorly sorted, rounded to sub rounded, abundant red brown calcareous siltstone/claystone, abundant white and light green kaolinite, friable, tight, no shows.

285-295 SILTSTONE(100%): red brown, calcareous, occasional sand, micaceous in part, argillaceous, very clayey, 25% white and light green kaolinite, soft, tight, no shows.

295-300 CLAYSTONE / SANDSTONE(100%): red brown, white, sub lithic, 15% medium to very coarse grained, 85% red brown clayey calcareous and white kaolinitic cement, possible a sandy claystone or a sandy siltstone, sub rounded to angular, poorly sorted, argillaceous in part, tight, no shows.

300-305 SANDSTONE(100%): red brown, white, sub lithic, 50% very fine to upper medium grained, 50% red brown clayey calcareous and white kaolinitic cement, sub rounded to angular, poorly sorted, argillaceous in part, hemititic, tight, no shows.

305-310 SANDSTONE(100%): red brown, white, sub lithic, 30% very fine to coarse grained, occasional very coarse grained, poorly sorted, 70% red brown clayey calcareous and white kaolinitic cement, rounded to sub angular, argillaceous in part, hemititic, tight, no shows.

310-320 SILTSTONE / SANDSTONE(100%): red brown to lesser red gray brown, very micaceous in part, predominantly silty to lower very fine grained, trace fine to coarse sand, minor white kaolinite, calcareous and clayey matrix, sub angular to sub rounded, well sorted, friable, hemititic, tight, no shows.

320-325 SILTSTONE / SANDSTONE(100%): red brown to lesser red gray brown, very micaceous in part, predominantly silty to lower very fine grained, trace fine to coarse sand, minor white kaolinite, calcareous and clayey matrix, sub angular to sub rounded, well sorted, friable, hemititic, tight, no shows.

325-330 SILTSTONE / SANDSTONE(100%): red brown, micaceous, predominantly silty, occasional fine to very coarse sand, occasional fine to coarse sandstone sections, abundant calcareous hemititic clay matrix, occasional white kaolinite, soft to slightly firm in places, argillaceous, tight, no shows.

330-335 SANDSTONE(100%): red white brown, sub lithic to quartzose, predominantly silty to fine grained, moderately to poorly sorted, sub rounded to sub angular, calcareous clayey matrix, occasional kaolinite, very micaceous, friable, hemititic, argillaceous in part, tight to poor intergranular porosity, no shows.

335-340 SILTSTONE / SANDSTONE(100%): red brown to lesser red gray brown, very micaceous, predominantly silty to minor lower very fine grained, occasional white kaolinite, calcareous and clayey matrix, sub angular to sub rounded, friable, hemititic, tight, no shows.

340-345 BASEMENT(100%): red orange, common black, abundant quartz, abundant k to feldspar, common soft dark micaceous material, fragments are angular and range in size from silt to very coarse and may possibly be a detrital granitic sand or an intrusive with finer crystals.

345-355 BASEMENT(100%): red orange, common black, abundant quartz, abundant k to feldspar, common soft to firm dark occasional magnetic material, possible either hornblende or pyroxene.

355-370.5 BASEMENT(100%): red orange and black, hard, siliceous, abundant quartz, abundant k to feldspar, abundant looking dark magnetic in part material, possible hornblende or pyroxene, minor pyrite.

TOTAL DEPTH: 370.5 meters



APPENDIX G: STRATIGRAPHIC COLUMN

LITHOLOGY STRIP LOG WellSight Systems

Scale 1:240 (5"=100') Metric

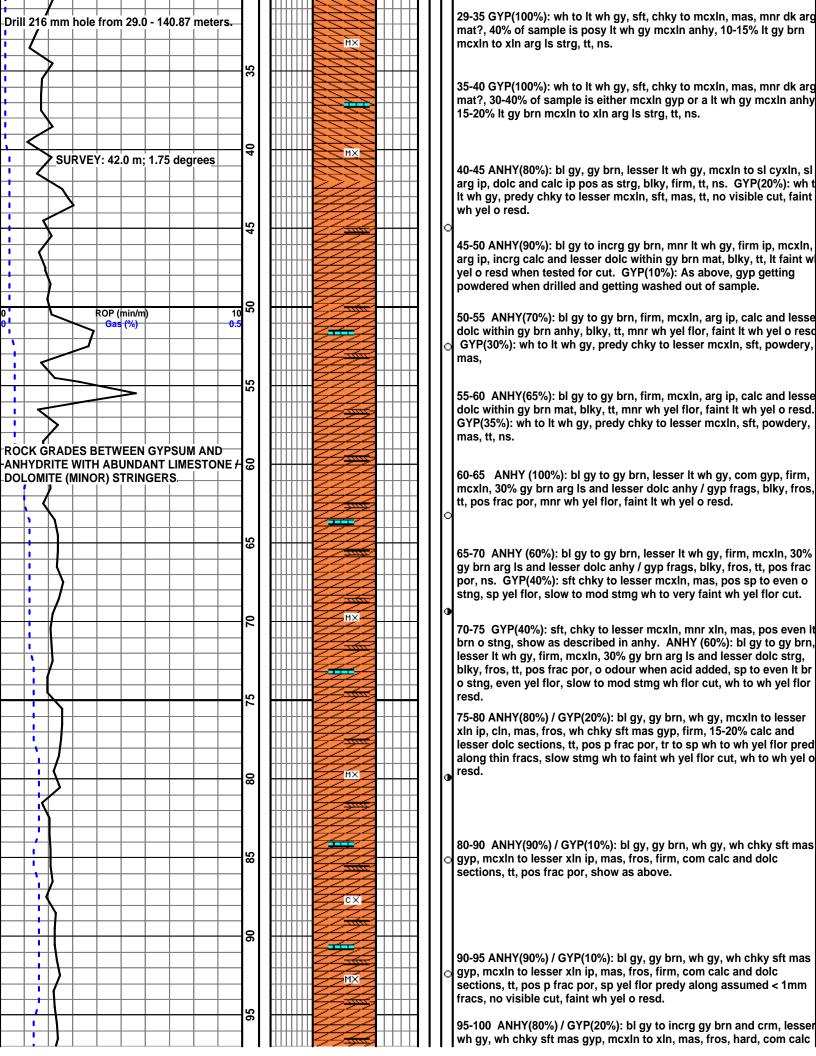
Well Name:	Vulcan Minerals Flat Bay # 3
	St. Georges Bay, Western Newfoundland
Licence Number:	
•	4/10/2005 @1415hrs Drilling Completed: 12/10/2005 @1940hrs
Surface Coordinates:	Northing: 5360084.76
	Easting: 384421.89
Bottom Hole Coordinates:	
Crownal Flowetian (m)	Easting: 384421.89
Ground Elevation (m):	
Logged Interval (m): Formation:	9.4 To: 370.5 Total Depth (m): 370.5
Type of Drilling Fluid:	Printed by WellSight Log Viewer from WellSight Systems 1-800-447-1534 www.WellSight.co
	Trinted by Weiloight Log Viewei from Weiloight Oystenis 1-000-447-1554 www.weiloight.co
	OPERATOR
Company:	Vulcan Minerals Inc.
Address:	333 Duckworth Street
	St. John's, N.L.
	Canada, A1C 1G9

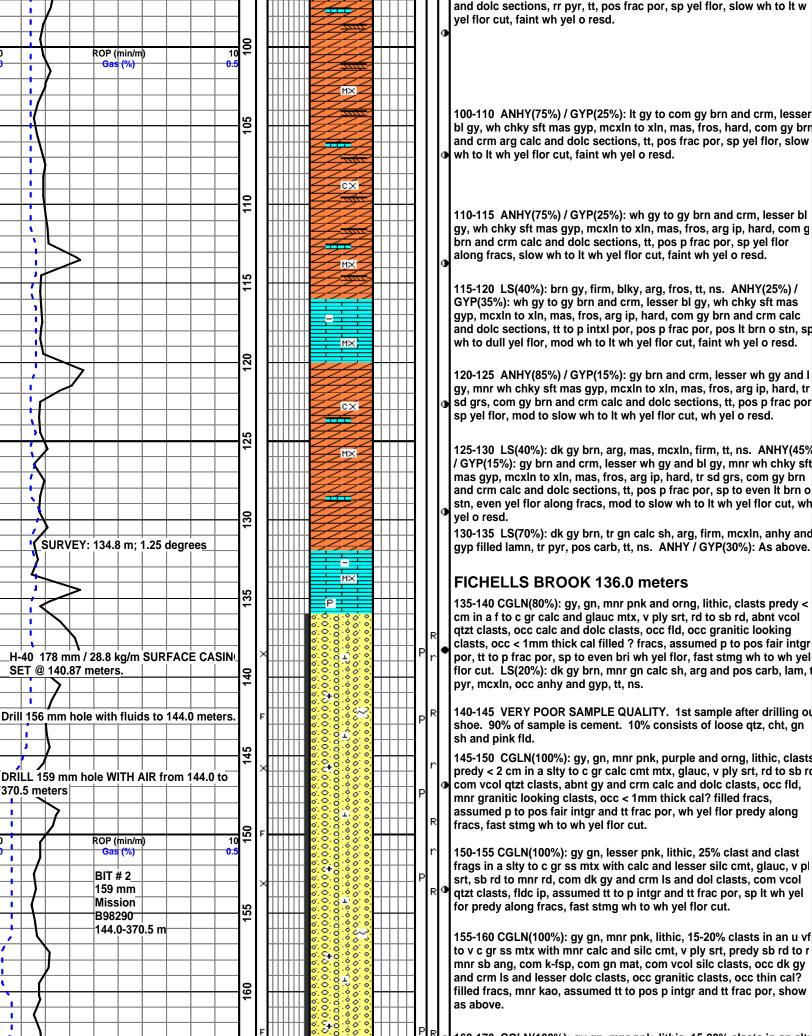
GEOLOGIST

Name: Corey Fitzgerald Company: Address: P.O. Box 244 12 Guy Street, Jerseyside Newfoundland.

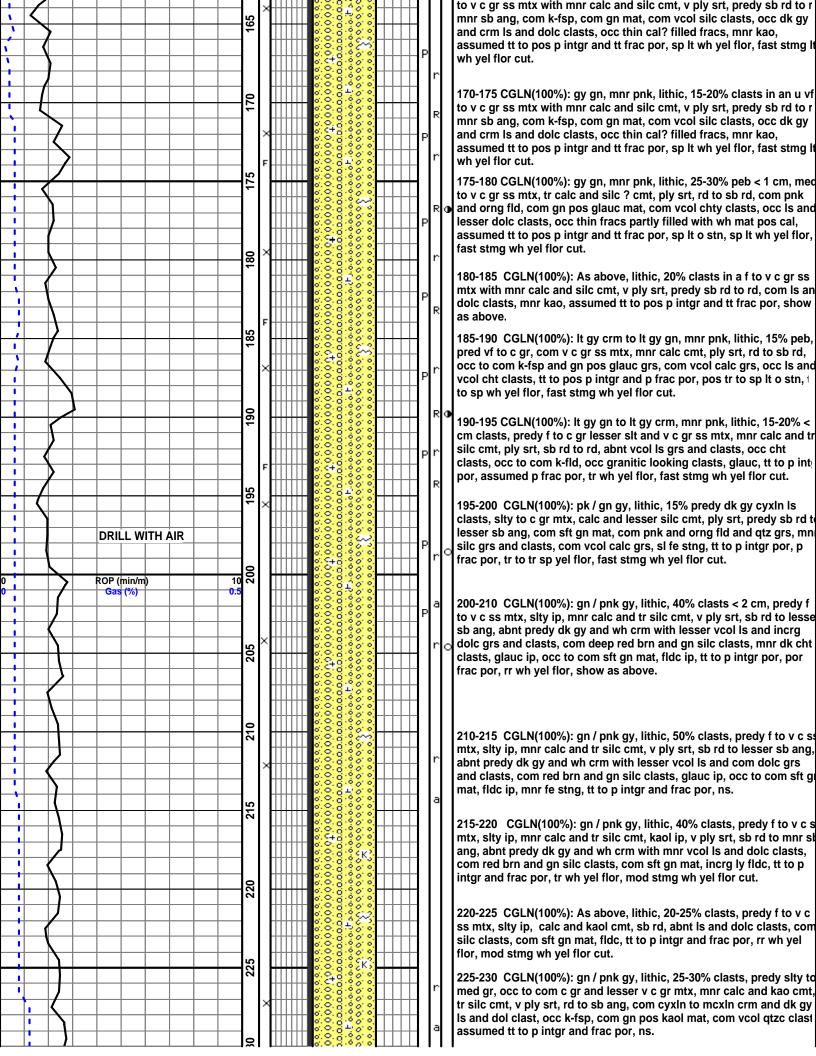
Cores DSTs Comments **ROCK TYPES** $\pi^{\pi}\pi^{\pi}$ -_---Clyst Mrlst Shgy Anhy Gyp ^{யங்குக}்கள் Bent Igne Coal Salt Sltst 40<u>0</u>00 0.0.0.90.0 Congl Lmst Shale Ss Brec 2000000 5 Till Cht Dol 🛰 Meta Shcol

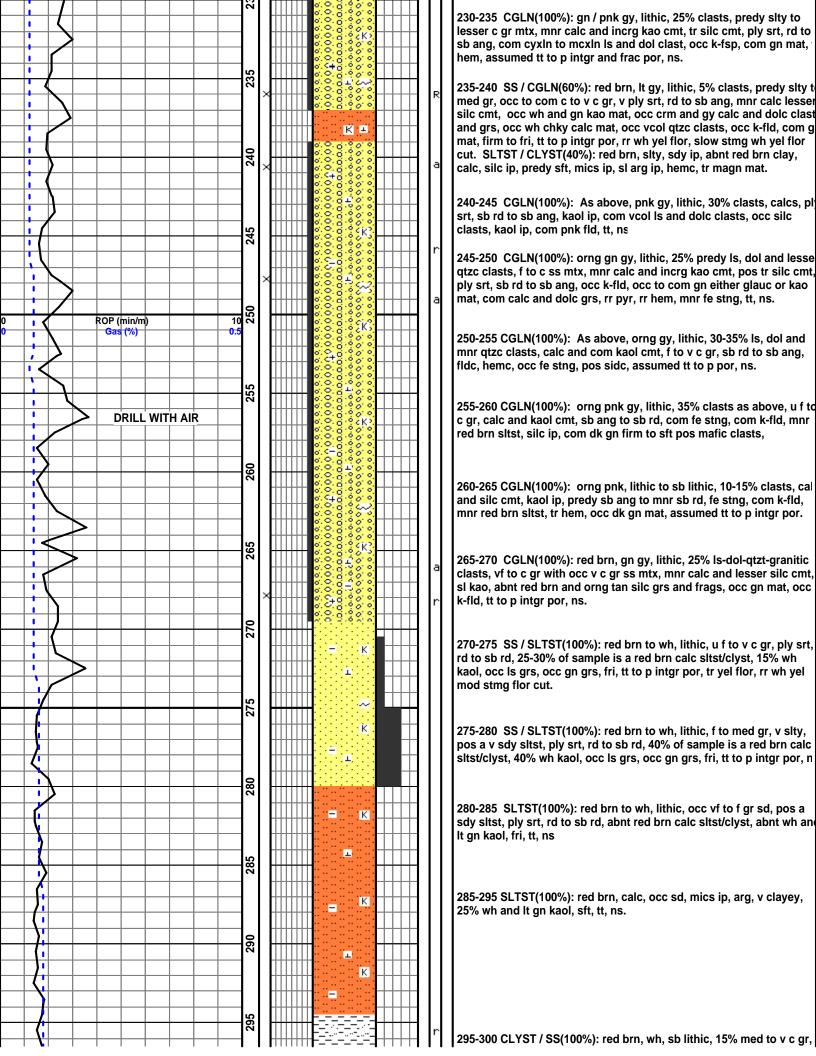
										A	CCE	SSC	DRI	ES	3
	$\mathbf{Z} \mathbf{\nabla} $	ERAL Anhy Arggrr Arg Bent Bit Brecfra Calc Calc Calc Carb Chtdk Chtlt Dol Feldsp Ferrpe Ferr Glau	ag Þar		N N N N N N N N N N N N N N N N N N N	Gyp Hvym Kaol Marl Nodu Phos Pyr Salt Sand Silt Sil Sulpf Tuff	le y			FOS In P C In C In C In C In C In C In C In C In	SIL Alg Am Bel Bio Bra Bry Cel Col Col Col Col Ech Fis For Fos	jae iph im oclst ach /ozo phal ral n hin h ram ssil stro	а		Image: Site of the system Site of the system Site of the system Image: Site of the system Pellet Pellet Image: Site of
	POF E E E X O E	COSITY Earthy Fenest Fractu Inter Moldic Organ Pinpoi	re ic		S S S S S S S S S S S S S S S S S S S	Vugg RTING Well Mode Poor		te		ROU R F a A	Sul Sul	ING unde brnd bang gula OW	ed 	OL	LS
	OP (m as (%)	nin/m)	ve Tr	ack 1			Depth	Ĩ.	18% Porosity	Litholo				Rounding Oil Shows	Geological Descriptions
Rea	ached	ctor pipe s sample p 15hrs.		6) 29.0 me	I		15 10 1				××××××××××××××××××××××××××××××××××××××				Geologist: Corey Fitzgerald. Rig Manager: Tom Targett. Engineer: Karla Smith. SPUDDED on Oct. 4th, 2005 @ 1415hrs. 10-15 OVERBURDEN / TILL: pred wh to trnsl qtz grs and frags, f gr pos peb, firm, occ fld, occ biot, com calc mat, occ dk gn xln frags, occ vcol cht grs and frags, predy ang, cln, mnr gyp and anhy, uncons, com vit qtz. 15-20 OVERBURDEN: As above, with an incrg salt and pepper vf t
Dril	I 311n	nm hole fr BIT # 216 n Miss 4919 29.0-	# 2	4 - 29.0			25 20								 sd component. 20-24 OVERBURDEN: It gy to trnsl to wh, abnt ang vcol qtz and ch grs and frags, vf gr to peb, mnr biot, com dk gn, xln frags, occ hd s ss. 24-29 OVERBURDEN(50%): As above. GYP(50%): wh, predy mcxl and sl chky, sft to sl firm in places, mas, occ ls, mnr dolc mat, pos mnr xln anhy, wk o odour when acid added, mnr yel flor, no flor cu
							ဗ္ဗ	\mathbb{H}			1		+		

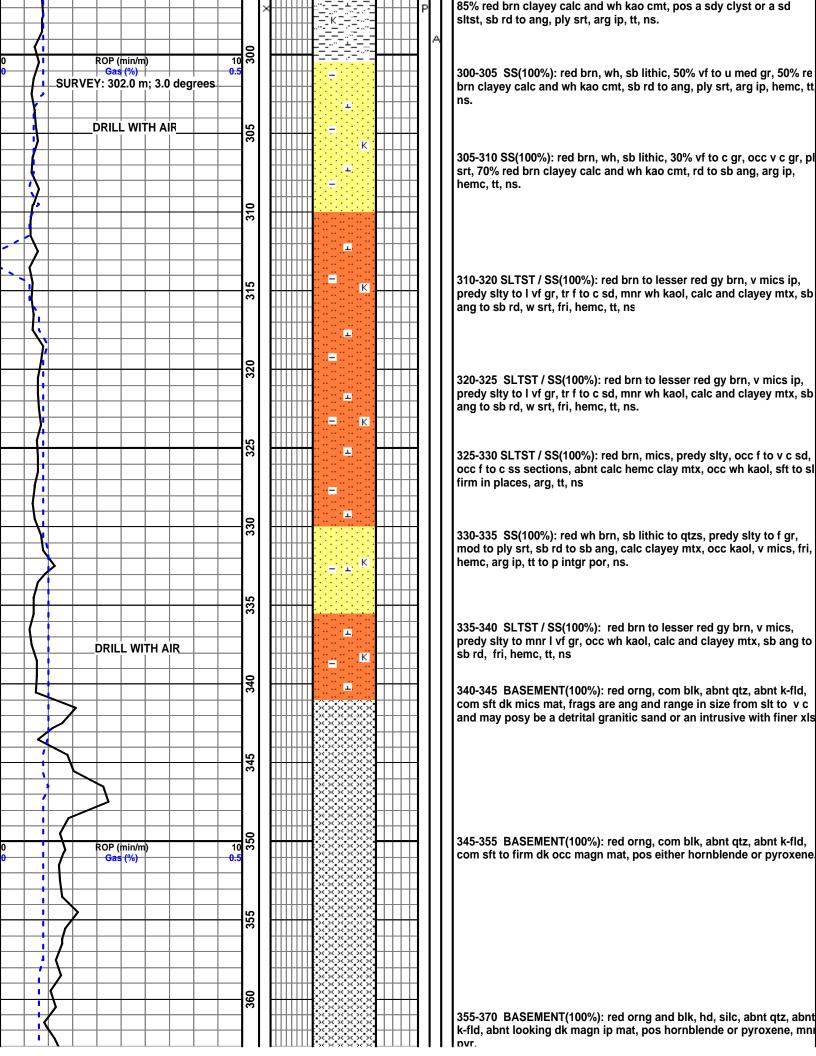




160-170 CGLN(100%): gy gn, mnr pnk, lithic, 15-20% clasts in an slty







	365	
SURVEY: 370.5 m; 4.0 degrees		
· · · · · · · · · · · · · · · · · · ·	2	
TOTAL DEPTH 370.5 meters, reached on Oct. 12th, 2005 @ 1940 hrs	31	
	375	
	õ	



APPENDIX H: DOWNHOLE LOGS

The data for this appendix can be found in the Department of Natural Resource's Confidential Well File room.



APPENDIX I: EMPLOYEE BENEFITS SUMMARY

Flat Bay #3: Drilling Operations

	Resid	dence	
Week	NL	Other	Total
1	9	0	9
2	7	0	7
3	13	0	13
4	14	0	14
5	15	0	15
6	14	2	16

Average number of workers on site each week	12.33
Percentage of workers residents of NL	97.3%
Percentage of workers non-residents of NL	2.7%

Flat Bay #3 Benefits Table

Week			1					2					3		
Position	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total
Project Manager / Engineer					0					0	1	2			1
Supervisors					0					0					0
Rig Mangers	1	1			1	1	7			1	1	7			1
Drillers	2	1			2					0	2	4			2
Floorhands	4	1			4	2	2			2	4	4			4
Geologists					0					0					0
Mud Loggers					0					0					0
MWD/Directional					0					0					0
Wireline Logging					0					0					0
Cementing					0	1	1			1					0
Testing					0					0					0
Administration					0					0					0
Security					0					0	1	6			1
Heavy Equipment Operators	1	1			1	1	3			1	2	4			2
Welders & Helpers	1	1			1	2	7			2	1	3			1
Fuel Hauler					0					0	1	2			1
Remedial Services					0					0					0
Waste Disposal					0					0					0
Total	9		0		9	7		0		7	13		0		13

Flat Bay #3 Benefits Table

Week			4					5					6		
Position	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total	NL Residents	# of Days Worked	Non- NL Residents	# of Days Worked	Total
Project Manager / Engineer	1	3			1	1	3			1	1	3			1
Supervisors					0					0					0
Rig Mangers	1	7			1	1	7			1	1	6			1
Drillers	2	6			2	2	7			2	2	6			2
Floorhands	4	6			4	4	7			4	4	6			4
Geologists	1	2			1	1	7			1	1	6			1
Mud Loggers					0					0					0
MWD/Directional					0					0					0
Wireline Logging					0					0			2	1	2
Cementing	1	2			1	1	2			1	1	1			1
Testing					0					0					0
Administration					0					0					0
Security	1	3			1					0	1	2			1
Heavy Equipment Operators	1	1			1	3	1			3	2	2			2
Welders & Helpers	1	5			1					0					0
Fuel Hauler	1	1			1	1	2			1	1	1			1
Remedial Services					0					0					0
Waste Disposal					0	1	1			1					0
Total	14		0		14	15		0		15	14		2		16



APPENDIX J: DAILY OPERATIONAL REPORTS

Flat Bay		0		45.4	0	REPORT #		DATE:		nber 29, 2005
DEPTH 24:00:		0 m	PROGRESS	15.0	υm	Last 24 Hr Ro		8.00 hr	Ave ROP:	1.9 m/hr
OPER 06:00:	Prepare to	Run 9 5/8" C				FOREMAN:		Targett	MOBILE NO .:	709-689-460
AILY COST:			HOLE CND.:	Go		WEATHER:		lear	TOOLPUSH:	Tom Target
COST:			RIG / RIG #:	Ingersoll R	and RD10	TEMP.:		3°C	T.P. MOBILE:	709-649-495
ORMATION:			K.B. ELEV.:			ROADS:	G	iood		
	BIT PERF	ORMANCE		SUR\	/EYS	DRILLIN	IG FLUID		PUMPS	6
Bit No.	1					Time		Pump No.	1	
Size (mm)	311					Depth(m)		Make	Gardner D	enver
٨fg.	Varel					Density	Water	Model	PY-7	
Гуре	CH24M5					Mud Grad		Liner X Stk	6"	
Serial #	RRO1394					Vis	36	SPM	40	
lozzles	OPEN					PV		Pump Eff.	95%	
From (mKB)	3.3					YP		Pump Rate	0.39	
Го (mKB)						Gels		Pump Press.	350	kPa
Irs on Bit	13 1/2					рН		Drillpipe AV		m/min
VOB (daN)	.5					WL (cc's)		Drillcollar AV		m/min
RPM	90					Filter Cake		Nozzle Vel		m/sec
Condition	Good					Sand (%)				
Pulled For?	TD					Solids (%)		М	UD & CHEN	IICALS
Neters	18.75					Oil (%)		Mud Cycle	80	min
n/hr	1.4					Pf/Mf		Bottoms Up	3	min
Cum Hrs	18 3/4	18 3/4	18 3/4			MBT		Tanks	30	m3
	1					CI (ppm)		Hole Volume	1	m3
зоттомн	OLE ASSE	MBLY				Ca (ppm)		System Vol.	31	m3
No.	Item		Min ID	Connection S	Size & Type					
1	Bit	12.25		6 5/8"REG x	21			Mud & Chemica	als Added:	
2	Stabilizer	12.25		2 7/8" IF x 4.		Mud Co.	МІ	15 GEI		
3						Mud Man		3 Quick Sea	d	
3HA Length:	4.16	Hook Load:		DP size		Mud Up @		1 Sawdus	t	
Avail WOB:		Jts DP Racks	151	DC Conn:						
Its DP in hole:	2	DP on Loc:	153	DP Conn:		VOLUMES	M ³			
							1			
DKILLING	OFERATION		EARDOWN		r	Water added		Mud Daily Cost		
				Move Rig		202201		Mud Cum Cost		
RU / TO	0	Survey		Move Rig				Mud Cum Cost		
Drill Actual	8	Survey Logging		Fishing		WELL CO	NTROL	SOLIDS CO	NTROL	FSI
Drill Actual Reaming	8	Survey Logging Run Casing		Fishing Direct. Drill		WELL CON RSPP	NTROL	SOLIDS CO Shaker Make	NTROL	FSI
Drill Actual Reaming Coring	8	Survey Logging Run Casing Cementing		Fishing Direct. Drill Rathole	2/4	WELL COI RSPP ST/Min	NTROL	SOLIDS CO		1
Drill Actual Reaming Coring Rm Rathole		Survey Logging Run Casing Cementing WOC		Fishing Direct. Drill Rathole Safety Meeting	3/4	WELL COI RSPP ST/Min MACP(kPa)	NTROL	SOLIDS CO Shaker Make Shaker Mesh	NTROL Desilter	FSI
Drill Actual Reaming Coring Rm Rathole Cond / Circ	8	Survey Logging Run Casing Cementing WOC NU BOP's		Fishing Direct. Drill Rathole Safety Meeting Mix mud		WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill	NTROL	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)		1
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs		Fishing Direct. Drill Rathole Safety Meeting	3/4 15	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	NTROL	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)		1
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig		Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt		Fishing Direct. Drill Rathole Safety Meeting Mix mud		WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	NTROL	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)		1
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig		Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST		Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN	15	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill		SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Soring Rm Rathole Sond / Circ Iripping ubricate Rig Repair Rig Slip/Cut Line	1/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools		Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs	15 24	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Calc Hole Fill Act Hole Fill		SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)		1
orill Actual Reaming Soring Rm Rathole Sond / Circ Iripping uubricate Rig Repair Rig Silip/Cut Line	1/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools COR THE DA	TE :	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN	15 24	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
orill Actual Reaming Soring Rm Rathole Sond / Circ Iripping ubricate Rig Repair Rig Bilip/Cut Line Reform S From	1/4 SUMMARY F To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration		Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe	15 24 r 28, 2005	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -		SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Soring Rm Rathole Sond / Circ Iripping ubricate Rig Repair Rig Bilip/Cut Line Reform Cut Cut Content Reform Coto Coto	1/4 SUMMARY F To 15:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00	Wait on Re	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge	15 24 r 28, 2005	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Jubricate Rig Repair Rig Bilp/Cut Line 24 HOUR S From 0:00 15:00	1/4 SUMMARY F To 15:00 15:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50	Wait on Re Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge	15 24 r 28, 2005 merator	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual Reaming Coring Rm Rathole Cond / Circ Tripping uubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00	1/4 SUMMARY F To 15:00 15:30 15:45	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25	Wait on Re Safety Mee Circulate a	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge ting With Crev and Check surf	15 24 r 28, 2005 merator v face Equipm	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45	1/4 SUMMARY F To 15:00 15:30 15:45 19:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25	Wait on Re Safety Mee Circulate at Spud and I	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho	15 24 r 28, 2005 merator v face Equipm ble From Sur	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Coring Rm Rathole Cond / Circ Tripping uubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual teaming coring trm Rathole cond / Circ tripping ubricate Rig tepair Rig tilip/Cut Line team team team team team team team tea	1/4 SUMMARY F To 15:00 15:30 15:45 19:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Coring Rm Rathole Cond / Circ Tripping uubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual teaming coring trm Rathole cond / Circ tripping ubricate Rig tepair Rig tilip/Cut Line team team team team team team team tea	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual teaming coring trm Rathole cond / Circ tripping ubricate Rig tepair Rig tilip/Cut Line team team team team team team team tea	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Coring Rm Rathole Cond / Circ Tripping uubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
brill Actual Reaming Coring Rm Rathole Cond / Circ Tripping uubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 15:00 15:30 15:45 19:00	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual teaming coring trm Rathole cond / Circ tripping ubricate Rig tepair Rig tilip/Cut Line team team team team team team team tea	1/4 SUMMARY F To 15:00 15:30 15:45 19:00 19:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge
vrill Actual teaming coring trm Rathole cond / Circ tripping ubricate Rig tepair Rig tilip/Cut Line team team team team team team team tea	1/4 5UMMARY F To 15:00 15:45 19:00 19:15 0:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 15.00 0.50 0.25 3.25 0.25	Wait on Re Safety Mee Circulate and Spud and I Safety Mee	Fishing Direct. Drill Rathole Safety Meeting Mix mud W.O GEN Total Hrs Septembe placement Ge eting With Crew nd Check surf Drill 311mm Ho eting With Nigh	15 24 r 28, 2005 merator w face Equipm ble From Sur th Crew	WELL COI RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) Event	SOLIDS CO Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days		Centrifuge

Flat Bay DEPTH 24:00:								1		ING REPOR
DEPTH 24:00:			1			REPORT #:	2	DATE:	Septen	nber 30, 2005
		7 m	PROGRESS	3.7	7 m	Last 24 Hr Rot	-	5.50 hr	Ave RO	
OPER 06:00:	Nipple up D	liverter	i			FOREMAN:	Tom	Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND .:			WEATHER:	Ra	ining	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ingersoll R	Rand RD10	TEMP.:	12	2°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	GC	DOD		
		ORMANCE	1	SUR	VEYS	DRILLIN	IG FLUID		PUMP	S
Bit No.	1					Time		Pump No.	1	
Size (mm)	311					Depth(m)		Make	Gardner D	enver
Mfg.	Varel					Density		Model	PY-7	
Туре	CH24M5					Mud Grad		Liner X Stk	6"	
Serial #	RRO1394 OPEN					Vis PV		SPM	40 95%	
Nozzles From (mKB)	3.3					PV YP		Pump Eff. Pump Rate	95 <i>%</i> 0.39	
To (mKB)	5.5					Gels		Pump Rate Pump Press.	350	
Hrs on Bit	13 1/2					pH		Drillpipe AV	000	
WOB (daN)	.5					WL (cc's)		Drillcollar AV		
RPM	90					Filter Cake		Nozzle Vel		
Condition	Good					Sand (%)				
Pulled For?	TD					Solids (%)		М	UD & CHEM	MICALS
Meters	18.75					Oil (%)		Mud Cycle	4	min
m/hr	1.4					Pf/Mf		Bottoms Up	4	min
Cum Hrs	18 3/4	18 3/4	18 3/4			MBT		Tanks		m3
						CI (ppm)		Hole Volume	1	m3
BOTTOMH	IOLE ASSEN	ABLY				Ca (ppm)		System Vol.	1	m3
No.	Item	Max OD	Min ID	Connection S						
1	Bit	12.25		6 5/8"REG x				Mud & Chemi	cals Added:	
2	Stabilizer	12.25		2 7/8" IF x 4.	.5" REG	Mud Co.				
3					1	Mud Man				
BHA Length:		Hook Load:		DP size	-	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	-		M ³			
Jts DP in hole:		DP on Loc:	128	DP Conn:		VOLUMES	IVI			
	OPERATION		EAKDOWN		1	Water added		Mud Daily Co		
RU / TO		Survey		Plug Back		Losses		Mud Cum Cos		
Drill Actual	5 1/2	Logging	4.4/0	Fishing		WELL CON	ITROL	SOLIDS C	ONTROL	501
Reaming		Run Casing	1 1/2	Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing	1/2	Work Pipe		ST/Min		Shaker Mesh	Desilter	Questi;
Rm Rathole	5 1/4	WOC NU BOP's	8	Mix LCM	3/4	MACP(kPa) Calc Hole Fill		Vol LIE (I/min)	Desilter	Centrifuge
Cond / Circ	1 1/4	Test BOPs		Safety meet Weld on Bowl	1	Act Hole Fill		Vol UF (l/min) U.F. (kg/m3)		
Tripping Lubricate Rig	1/4	Drill Out Cmt		BOP Drill	•	Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig	., .	DST				Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY F				er 29, 2005	(0000 hrs -	2400 brc)	201011101		(10 2 1100)
From	То	Duration		Septembe	1 29, 2005		vent			
0:00	0:15	0.25	Ria Service	e / POOH Che	ck Bit	-	Volit			
0:00	5:45	5.50		n Hole From 1						
5:45	7:00	1.25		g Up to Run 9						
7:00	7:30	0.50	Safety Mee		5					
7:30	9:00	1.50	Run Casing							
9:00	12:00	3.00	Circulate C	asing , Wait o	on Cement, F	ab and Weld	d Catwalk , I	Handrails		
12:00	14:15	2.25	Wait on Ce							
	15:00	0.75		et, Cemant ca						
14:15		8.00		ment, (Cut ou		,				
14:15 15:00	23:00		Cut Casino	, Weld Colar	For Casing b	owl				
14:15	23:00 0:00	1.00	Out Oasing							
14:15 15:00		1.00								
14:15 15:00		1.00								
14:15 15:00		1.00								
14:15 15:00		1.00								
14:15 15:00		1.00								
14:15 15:00 23:00	0:00	1.00								
14:15 15:00	0:00	1.00								

Flat Bay		alo						Ditti		NG REPOR
		_				REPORT #:	3	DATE:	1	per 1, 2005
DEPTH 24:00:		.7 m	PROGRESS	:		Last 24 Hr Rot		Torgott	Ave ROP	
OPER 06:00:	Weld on Ca	asing Bowi				FOREMAN:		Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND .:			WEATHER:		lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	, v	Rand RD10	TEMP.:		4°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.0	3 m	ROADS:	G	ood		
		ODMANCE		SUD	VEYS		G FLUID	1	PUMPS	
Bit No.	2	ORMANCE		SUR	VETS	Time	GFLUID	Pump No.		>
Size (mm)	216					Depth(m)		Make	Gardner De	enver
Mfg.	Smith					Density	Water	Model	PY-7	
туре	ER6508					Mud Grad	mator	Liner X Stk	6"	
Serial #	MN2106					Vis		SPM	40	
Nozzles	OPEN					PV		Pump Eff.	95%	
From (mKB)	3.3					YP		Pump Rate	0.39	
To (mKB)						Gels		Pump Press.	100	
Hrs on Bit						рН		Drillpipe AV		
WOB (daN)	1					WL (cc's)		Drillcollar AV		
RPM	90					Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)		М	UD & CHEN	IICALS
Meters						Oil (%)		Mud Cycle	79	min
m/hr						Pf/Mf		Bottoms Up	2	min
Cum Hrs						МВТ		Tanks	30	m3
						CI (ppm)		Hole Volume	1	m3
BOTTOMH	IOLE ASSEI	1				Ca (ppm)		System Vol.	31	m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1	Bit	0.25		4.5 REG	_ /=	-		Mud & Chemi		
2	Stabilizer	3.65		4.5REG x 2	7/8IF	Mud Co.		SODA ASH	2	
3					-	Mud Man		LCM	5	
BHA Length:	3.9	Hook Load:	404	DP size	5 mm	Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:	-		M ³	-		
Jts DP in hole:	2	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M			
	OPERATIO				1	Water added		Mud Daily Cos		
RU / TO		Survey		Plug Back		Losses	TRAI	Mud Cum Cos		
Drill Actual		Logging		Fishing		WELL CON	TROL	SOLIDS CO	ONTROL	FSI
Reaming		Run Casing	1/2	Work w/Pason Work Pipe		RSPP ST/Min		Shaker Make Shaker Mesh	220 \	(230 x 140
Coring Rm Rathole		Cementing WOC	11	Mix LCM		MACP(kPa)		Sliaker West	Desilter	Centrifuge
Cond / Circ	1/2	NU BOP's	7 1/2	Safety meet	1/2	Calc Hole Fill		Vol UF (l/min)	Desilier	Centinuge
Tripping	172	Test BOPs	1 1/2	Weld on Bowl	1/2	Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig		Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST		woo	4	Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:	1	(to 24:00)
	SUMMARY F				er 30, 2005	(0000 hrs - :	2400 bre)			(.0 200)
From	To	Duration		Cepternue	, 50, 2005		vent			
0:00	6:00	6.00	Weld on C	ollar, Install C	asing Bowl F			ab and Weld	Flow line	
6:00	10:00	4.00	Wait on Or							
10:00	12:00	2.00		ement for Top	Fill					
12:00	14:30	2.50		ement for Top						
	15:00	0.50		nductor With						
14:30	10.00		Nipple up							
	16:30	1.50				nent @15mtr	s			
14:30		1.50 0.50	Make up B	it, Stabilizer, I	Rin, rag Cen					
14:30 15:00	16:30			it , Stabilizer, l ment , Safet r				r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30 17:00	16:30 17:00 0:00	0.50						r,Geo-graph,	Don SCBA	
14:30 15:00 16:30	16:30 17:00 0:00	0.50						r,Geo-graph,	Don SCBA	

										NG KEFUKI
Flat Bay		_	1		_	REPORT #:	4	DATE:	1	ber 2, 2005
DEPTH 24:00:	36.0	0 m	PROGRESS:	17.	3 m	Last 24 Hr Rot		10.00 hr	Ave ROF	
OPER 06:00:	Skid Rig					FOREMAN:		Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND.:			WEATHER:		lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ŷ	Rand RD10	TEMP.:		4°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
						1		1		
	BIT PERFO	ORMANCE	1	SUR	VEYS	DRILLIN			PUMPS	3
Bit No.	2					Time	1200	Pump No.		
Size (mm)	216					Depth(m)	35	Make		
Mfg.	Smith					Density	1005	Model		
Туре	ER6508					Mud Grad	20	Liner X Stk		
Serial #	MN2106					Vis PV	28	SPM		
Nozzles From (mKB)	Open 18					PV YP		Pump Eff.		
To (mKB)	35					Gels		Pump Rate Pump Press.		
Hrs on Bit	9					pH		Drillpipe AV		
WOB (daN)	2					WL (cc's)		Drillcollar AV		
RPM	90					Filter Cake		Nozzle Vel		
Condition	Good					Sand (%)				
Pulled For?	AirHammer					Solids (%)		M	UD & CHEN	IICALS
Meters	17					Oil (%)		Mud Cycle		min
m/hr	-					Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks	30	m3
						CI (ppm)		Hole Volume	1	m3
BOTTOMH	OLE ASSEM	BLY				Ca (ppm)		System Vol.	31	m3
No.	Item	Max OD	Min ID	Connection 3	Size & Type					
1	Bit	0.25		4.5 REG				Mud & Chemic	als Added:	
2	Stabilizer	3.65		4.5REG x 2	7/8IF	Mud Co.				
3						Mud Man				
BHA Length:	3.9	Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	97	DC Conn:						
Jts DP in hole:	4	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATION	S TIME BR	EAKDOWN			Water added		Mud Daily Cos	st	
RU / TO	5	Survey		Plug Back		Losses		Mud Cum Cos	t	
Drill Actual	10	Logging		Fishing		WELL CON	TROL	SOLIDS CO	ONTROL	
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh	230 >	<230 x 140
Rm Rathole		woc		Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ	4 1/4	NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)		
Tripping	3 1/2	Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig	1/4	Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig	1	DST				Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY F	OR THE DA	TE :	October	r 1, 2005	(0000 hrs - 2	2400 hrs)			
From	То	Duration				E	/ent			
0:00	0:30	0.50	Drill Out Ce							
0:30	3:30	3.00	-	n Hole From 1						
3:30	6:30	3.00		mp and Rag I						
6:30	11:45	5.25		n Hole From	28mtrs To 3	5mtrs				
11:45	12:00	0.25	Rig Service							
12:00	13:15	1.25		ntrs 216mm H		m				
13:15	14:30	1.25		laterial (Saw	,					
14:30	15:30	1.00		end on Mud						
15:30	16:30	1.00	v	wline , Annula						
16:30 19:30	19:30 20:00	3.00 0.50		Hole To Char to 17m ,Poo						
20:00		4.00		repare to Skic		nammer and	Januar			
20:00	0:00	4.00	rkig Out , P	repare 10 SKIC	a rkiy					
24 HOUR F	orcast ·		<u> </u>							
	010031.									
Prepare to	Skid Ria									

Flat Bay	#3					REPORT #:	5	DATE:	L	ber 3, 2005
DEPTH 24:00:	Skid D:~		PROGRESS			Last 24 Hr Rot		Toractt	Ave ROP	
OPER 06:00:	Skid Rig					FOREMAN:	Iom	Targett	MOBILE NO .:	709-689-4601 Tom Targett
DAILY COST:			HOLE CND.:	Ingeree!! F	and PD40	WEATHER:			TOOLPUSH:	
CUM COST: FORMATION:			RIG / RIG #: K.B. ELEV.:	-	Rand RD10	TEMP.: ROADS:			T.P. MOBILE:	709-649-4957
FURIMATION.			N.D. ELEV	0.0)	RUADS.				
		ORMANCE		SUR	VEYS		G FLUID	1	PUMPS	
Bit No.				30K	VEIS	Time	GFLUID	Pump No.	FUNIFS)
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.		
Hrs on Bit						рН		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)			UD & CHEN	
Meters m/hr						Oil (%) Pf/Mf		Mud Cycle		min
m/nr Cum Hrs						Pt/Mt MBT		Bottoms Up Tanks		min m3
Cummis						Cl (ppm)		Hole Volume		m3
воттомн	OLE ASSEI	MBLY		μ		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type			Cystem vol.	1	
1	Bit	0.25		4.5 REG	0.20 di 1990			Mud & Chemio	cals Added:	
2	Stabilizer	3.65		4.5REG x 2	7/8IF	Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:						
Jts DP in hole:		DP on Loc:	128	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATIO	NS TIME BR	EAKDOWN			Water added		Mud Daily Cos	st	
RU / TO	12	Survey		Plug Back		Losses		Mud Cum Cos	st	
Drill Actual		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	ONTROL	
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh	230 x	230 x 140
Rm Rathole		WOC		Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ		NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)		
Tripping		Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig		Drill Out Cmt DST		BOP Drill		Lst BOP Drill:		O.F. (kg/m3) Hours/Days		
Repair Rig				Wait on Daylight		Calc Hole Fill		Hours/Davs		
					10			· · · · · · · · · · · · · · · · · · ·		(, 01.00)
		Hndle Tools		Total Hrs	12	Act Hole Fill		Boiler Hrs:		(to 24:00)
		Hndle Tools	TE :		12 2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From	То	Hndle Tools FOR THE DA Duration		October	2, 2005	Act Hole Fill (0000 hrs -	2400 hrs) vent	· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From	То	Hndle Tools FOR THE DA Duration		October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00 12:00	To 12:00 0:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00	To 12:00 0:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)
24 HOUR S From 0:00 12:00	To 12:00 0:00	Hndle Tools FOR THE DA Duration 12.00	Tear Out, F	October Prepared to Sk	2, 2005	Act Hole Fill (0000 hrs -		· · · · · · · · · · · · · · · · · · ·		(to 24:00)

Flat Bay	<u>n wine</u> #3					DEDODT	6			NG REPOR
	#J		PROCESSO			REPORT #:		DATE:	Octob Ave ROF	per 4, 2005
DEPTH 24:00: OPER 06:00:	Rig up		PROGRESS			Last 24 Hr Rot FOREMAN:		Targett	Ave ROP MOBILE NO.:	, 709-689-4601
DAILY COST:	itig up		HOLE CND.:			WEATHER:		ear	TOOLPUSH:	Tom Targett
					Pand PD10			°C		
CUM COST: FORMATION:			RIG / RIG #: K.B. ELEV.:	-	Rand RD10 3 m	TEMP.: ROADS:		bod	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	0.0		RUADS:	0	JUU		
				SUD	VEYS		IG FLUID	1	PUMPS	
Bit No.		ORMANCE		308	VEIS	Time		Pump No.	PUIVIPS)
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.		
Hrs on Bit						рН		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)		M	UD & CHEN	IICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						мвт		Tanks		m3
						Cl (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSE	MBLY				Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1	Bit	0.25		4.5 REG				Mud & Chemie	cals Added:	
2	Stabilizer	3.65		4.5REG x 2	7/8IF	Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size	-	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	-					
Jts DP in hole:		DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATIO	NS TIME BR	EAKDOWN			Water added		Mud Daily Cos	st	
RU / TO	17	Survey		Plug Back		Losses		Mud Cum Cos	t	
Drill Actual		Logging		Fishing		WELL CON	ITROL	SOLIDS CO	ONTROL	
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh	230 >	<230 x 140
Rm Rathole		WOC		Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ		NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)		
Tripping		Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig		Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST		Wait on Daylight	7	Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	SUMMARY I	OR THE DA	TE :	October	3, 2005	(0000 hrs -	2400 hrs)			
From	То	Duration				E	vent			
0:00	7:00	7.00	Wait on Da							
7:00	0:00	17.00		ling Gravel, S						
				Pump , Wire ir				wline, Make	up Stabilize	er,
	-		Droppped I	Bushing in Ho	le, Try and F	ish out with N	Magnet			
	-									
24 HOUR F	orcast :		1							
	υισασιί									

Flat Bay	#3					REPORT #:	7	DATE:	Octol	ber 5, 2005
DEPTH 24:00:		0 m	PROGRESS	25.	.0 m	Last 24 Hr Rota	ating Time:	9.50 hr	Ave ROF	
OPER 06:00:	Circulating					FOREMAN:	Tom	Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND.:	Go	boc	WEATHER:	С	lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ingersoll F	Rand RD10	TEMP.:	1	2°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	iood		
	BIT PERF	ORMANCE		SUR	VEYS	DRILLIN	G FLUID		PUMPS	8
Bit No.	RR#1					Time	2300	Pump No.	1	
Size (mm)	311					Depth(m)	24	Make	Gardner D	enver
Mfg.	Varel					Density	1040	Model	PY-7	
Туре	CH24MS					Mud Grad		Liner X Stk	6"x 7"	
Serial #	RR01394					Vis	42	SPM	40	
Nozzles	OPEN					PV		Pump Eff.	95%	
From (mKB)	0					YP		Pump Rate	0.39	
To (mKB)	29 9					Gels		Pump Press.	350	
Hrs on Bit WOB (daN)	9					pH WL (cc's)		Drillpipe AV Drillcollar AV		
RPM	2 90					Filter Cake		Nozzle Vel		
Condition	50					Sand (%)		NOZZIE VEI		
Pulled For?						Solids (%)		М	UD & CHEN	MICALS
Meters	29					Oil (%)		Mud Cycle	69	min
m/hr	-					Pf/Mf		Bottoms Up	5	min
Cum Hrs						МВТ		Tanks	25	m3
						CI (ppm)		Hole Volume	2	m3
BOTTOMH	OLE ASSE	MBLY				Ca (ppm)		System Vol.	27	m3
No.	Item	Max OD	Min ID	Connection	Size & Type					
1	Bit	0.51		4.5 REG				Mud & Chemi	cals Added:	
2	Stabilizer	3.65		4.5REG x 2	7/8IF	Mud Co.		40 Gel		
3						Mud Man		2 Soda Ash		
BHA Length:	4.1622	Hook Load:	2	DP size	5 mm	Mud Up @				
Avail WOB:		Jts DP Racks	98	DC Conn:	-		M ³	-		
Jts DP in hole:	3	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M			
	OPERATIO		EAKDOWN			Water added		Mud Daily Co		
RU / TO	1	Survey		Plug Back		Losses		Mud Cum Cos		
Drill Actual	9 1/2	Logging		Fishing	12	WELL CON	TROL	SOLIDS C	ONTROL	501
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make	220.	FSI
Coring		Cementing WOC		Work Pipe		ST/Min MACP(kPa)		Shaker Mesh		x230 x 140
Rm Rathole Cond / Circ	1	NU BOP's		Mix LCM Safety meet	1/4	Calc Hole Fill		Vol UF (l/min)	Desilter	Centrifuge
Tripping		Test BOPs		Weld on Bowl	1/-	Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig	1/4	Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST				Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
			TE·		r 4, 2005	(0000 hrs - 2	2400 hrs)			(11 - 11)
From	То	Duration		OCIODE	, 2000		ent			
0:00	12:00	12.00	Fish For B	ushing Insert		_ L V				
12:00	13:00	1.00		/eld Conducto	or					
13:00	14:00	1.00	Circulate a	nd Condition	Mud					
14:00	14:15	0.25	Safety Mee							
14:15	20:15	6.00		Drill From Sur	face to 17mtr	S				
20:15	20:30	0.25	Rig Service							
20:30	0:00	3.50	Drill From	17 to 25mtrs						
24 HOUR F	Forcast ·									
24 HOUR F	Forcast :									

Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	29.	0 m Wait on Cer 2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming	PROGRESS nent HOLE CND.: RIG / RIG #: K.B. ELEV.:	Go Ingersoll F 3.3	0 m bod Rand RD10 3 m VEYS	REPORT #: Last 24 Hr Rota FOREMAN: WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis PV	Tom C 1 G 3 FLUID 2200 29 1040	lear 1°C ood Pump No. Make Model Liner X Stk	Octol Ave ROF MOBILE NO.: TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner Do PY-7 6"x 7"	709-689-4601 Tom Targett 709-649-4957
OPER 06:00: 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 BOTTOMHC	BIT PERF RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	Wait on Cer PRMANCE 2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming	HOLE CND.: RIG / RIG #:	Go Ingersoll F 3.3	ood Rand RD10 3 m	FOREMAN: WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis	Tom C 1 G 3 FLUID 2200 29 1040	Targett lear 1°C ood Pump No. Make Model Liner X Stk	MOBILE NO.: TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner Do PY-7	709-689-4601 Tom Targett 709-649-4957
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 BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	DRMANCE 2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming	HOLE CND.: RIG / RIG #:	Ingersoll F 3.3	Rand RD10 3 m	WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis	C 1 G 3 FLUID 2200 29 1040	lear 1°C ood Pump No. Make Model Liner X Stk	TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner Do PY-7	Tom Targett 709-649-4957 S
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 BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming	RIG / RIG #:	Ingersoll F 3.3	Rand RD10 3 m	TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis	1 G G FLUID 2200 29 1040	1°C ood Pump No. Make Model Liner X Stk	T.P. MOBILE: PUMPS 1 Gardner Do PY-7	709-649-4957
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 BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming		3.3	3 m	ROADS: DRILLING Time Depth(m) Density Mud Grad Vis	G 3 FLUID 2200 29 1040	Pump No. Make Model Liner X Stk	PUMPS 1 Gardner De PY-7	8
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 BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming	<u>K.B. ELEV.:</u>	10		DRILLING Time Depth(m) Density Mud Grad Vis	G FLUID 2200 29 1040	Pump No. Make Model Liner X Stk	1 Gardner De PY-7	
Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming		SUR	VEYS	Time Depth(m) Density Mud Grad Vis	2200 29 1040	Make Model Liner X Stk	1 Gardner De PY-7	
Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	RR#1 311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	2 311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming			VETS	Time Depth(m) Density Mud Grad Vis	2200 29 1040	Make Model Liner X Stk	1 Gardner De PY-7	
Size (mm) Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	311 Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	311 Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming				Depth(m) Density Mud Grad Vis	29 1040	Make Model Liner X Stk	Gardner De PY-7	enver
Mfg. Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	Varel CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	Hughs EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming				Density Mud Grad Vis	1040	Model Liner X Stk	PY-7	
Type Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	CH24MS RR01394 OPEN 0 29 9 2 90 1 TD	EP5070 622507 OPEN 17 29 2 3/4 1 80 3 Reaming				Mud Grad Vis		Liner X Stk		
Serial # Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	RR01394 OPEN 0 29 9 2 90 1 TD	622507 OPEN 17 29 2 3/4 1 80 3 Reaming								
Nozzles From (mKB) To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	OPEN 0 29 9 2 90 1 TD	OPEN 17 29 2 3/4 1 80 3 Reaming					42	SPM	40	
To (mKB) Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	29 9 2 90 1 TD	29 2 3/4 1 80 3 Reaming				PV		Pump Eff.	95%	
Hrs on Bit WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	9 2 90 1 TD	2 3/4 1 80 3 Reaming				YP		Pump Rate	0.39	
WOB (daN) RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	2 90 1 TD	1 80 3 Reaming				Gels		Pump Press.	350	
RPM Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	90 1 TD	80 3 Reaming				рН		Drillpipe AV		
Condition Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	1 TD	3 Reaming				WL (cc's)		Drillcollar AV		
Pulled For? Meters m/hr Cum Hrs BOTTOMHC No.	TD	Reaming				Filter Cake		Nozzle Vel		
Meters m/hr Cum Hrs BOTTOMHC No.		Ŭ				Sand (%)				
m/hr Cum Hrs BOTTOMHC No.	29	10				Solids (%)		M	UD & CHEN	/ICALS
Cum Hrs BOTTOMHC No.		12				Oil (%)		Mud Cycle	6	min
BOTTOMHC No.						Pf/Mf		Bottoms Up	6	min
No.						MBT		Tanks	_	m3
No.						CI (ppm)		Hole Volume	2	m3
						Ca (ppm)		System Vol.	2	m3
	Item		Min ID	Connection S	Size & Type					
	Bit	0.29		6 5/8 Reg	- /01-	-		Mud & Chemic		
	Stabilizer	3.65		4.5REG x 2		Mud Co.		GEL 30	1	
-	x/o	0.2		6 5/8Reg x 4	1/2 REG	Mud Man		Soda Ash 2		
BHA Length:	4.14	Hook Load:	97	DP size	-	Mud Up @				
Avail WOB:		Jts DP Racks	-	DC Conn:			M ³	-		
Jts DP in hole:	4	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	IVI	-		
DRILLING C	OPERATIO		EAKDOWN	1		Water added		Mud Daily Cos		
RU / TO		Survey		Plug Back		Losses		Mud Cum Cos		
Drill Actual	6	Logging	2.2/4	Fishing		WELL CON	ROL	SOLIDS CO		FSI
Reaming	2 3/4	Run Casing	3 3/4	Work w/Pason		RSPP		Shaker Make	220.5	x230 x 140
Coring		Cementing		Work Pipe		ST/Min MACP(kPa)		Shaker Mesh		
Rm Rathole Cond / Circ	3 3/4	WOC NU BOP's		Mix LCM Safety meet	1/4	MACP(KPa) Calc Hole Fill		Vol UF (l/min)	Desilter	Centrifuge
Tripping	7 1/2	Test BOPs		Weld on Bowl	1/4	Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig	1 1/2	Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST				Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR SU			TE .		5, 2005	(0000 hrs - 2	400 hra)	Bollof File.		(10 24.00)
From	To	Duration		October	5, 2005		ent			
0:00	6:00	6.00	Drill 311mm	n Hole From 2	25 to 29mtrs	L V				
6:00	7:00	1.00	Circulate H							
7:00	7:30			Hole From 29	to 27mtrs					
7:30	9:00	1.50		eld Breakout						
9:00	10:00			Hole From 27		own Stabilizer	and Bit			
10:00	10:15		Safety Mee			-				
10:15	12:00			Run 9 5/8" Ca	asing to 17mt	rs				
12:00	16:30	4.50		ulation @ 17m	, 0		Casing			
16:30	17:00	0.50		HA and Run ii						
17:00	20:45	3.75		n 17 to 21mtrs	,	mtrs				
20:45	21:15	0.50		ole Clean,Co						
21:15	22:00	0.75		,Circulate Hol			wn Stab an	d Bit		
22:00	0:00	2.00	Rig to and	Run 9 5/8" Ca	asing to 29mt	rs				
	4									
24 HOUR Fo	orcast :									

Flat Bay	#3					REPORT #:	9	DATE:	Octob	oer 7, 2005
DEPTH 24:00:		.0 m	PROGRESS			Last 24 Hr Rot		DATE.	Ave ROF	
OPER 06:00:	Circulating	-	FRUGRESS			FOREMAN:		Targett	MOBILE NO.:	709-689-4601
	Onculating	Casing		G	bod			lear		Tom Targett
DAILY COST:			HOLE CND.:			WEATHER:			TOOLPUSH:	
CUM COST:			RIG / RIG #:	v	Rand RD10	TEMP.:		3°C	T.P. MOBILE:	709-649-495
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
	BIT PERF	ORMANCE		SUR	VEYS	DRILLIN	G FLUID		PUMPS	6
Bit No.						Time		Pump No.	1	
Size (mm)						Depth(m)		Make	Gardner De	enver
Mfg.						Density		Model	PY-7	
Гуре						Mud Grad		Liner X Stk	6"x 7"	
Serial #						Vis		SPM	40	
Nozzles						PV		Pump Eff.	95%	
From (mKB)						YP		-	0.39	
. ,						Gels		Pump Rate	350	
Fo (mKB)								Pump Press.	350	
Hrs on Bit						рН		Drillpipe AV		
NOB (daN)						WL (cc's)		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)		M	UD & CHEN	NICALS
Meters						Oil (%)		Mud Cycle		min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						мвт		Tanks		m3
						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSE	MBLY		-11		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	ou (ppiii)		Cystem vol.		ino
1	Bit	0.29		6 5/8 Reg				Mud & Chemi	oolo Addod:	
2	Stabilizer	3.65		4.5REG x 2	7/815	Mud Co.		widd & Chernie	cais Audeu.	
3	x/o	0.2		6 5/8Reg x 4	+ 1/2 REG	Mud Man				
BHA Length:		Hook Load:		DP size	-	Mud Up @				
Avail WOB:		Jts DP Racks		DC Conn:	-		3	_		
Jts DP in hole:		DP on Loc:	128	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATIO		EAKDOWN	4		Water added		Mud Daily Cos	st	
DRILLING	OPERATIO	NS TIME BR	EAKDOWN					Mud Daily Cos Mud Cum Cos		
RU / TO	OPERATIO	NS TIME BR Survey	EAKDOWN	Plug Back		Water added Losses		Mud Cum Cos	st	
RU / TO Drill Actual	OPERATIO	NS TIME BR Survey Logging	EAKDOWN	Plug Back Fishing		Water added Losses WELL CON		Mud Cum Cos SOLIDS CO	st	FSI
RU / TO Drill Actual Reaming	OPERATIO	NS TIME BR Survey Logging Run Casing		Plug Back Fishing Work w/Pason		Water added Losses WELL CON RSPP		Mud Cum Cos SOLIDS CO Shaker Make	ontrol	FSI (230 x 140
RU / TO Drill Actual Reaming Coring		NS TIME BR Survey Logging Run Casing Cementing	3/4	Plug Back Fishing Work w/Pason Work Pipe		Water added Losses WELL CON RSPP ST/Min		Mud Cum Cos SOLIDS CO	ontrol 230 >	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole		NS TIME BR Survey Logging Run Casing Cementing WOC		Plug Back Fishing Work w/Pason Work Pipe Mix LCM	1/4	Water added Losses WELL CON RSPP ST/Min MACP(kPa)		Mud Cum Cos SOLIDS CO Shaker Make Shaker Mesh	ontrol 230 > Desilter	
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ	8 3/4	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's	3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet	1/4	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill		Mud Cum Cos SOLIDS Co Shaker Make Shaker Mesh Vol UF (I/min)	ontrol 230 > Desilter	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping		NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl	1/4	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill		Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	ontrol 230 > Desilter	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig		NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt	3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet	1/4	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:		Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	ontrol 230 > Desilter	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Iripping Lubricate Rig		NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill		Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig		NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt	3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:		Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	ontrol 230 > Desilter	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping .ubricate Rig Repair Rig Slip/Cut Line		NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	3/4 14 1/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs		Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	ITROL	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line	8 3/4	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools	3/4 14 1/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs	24	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Calc Hole Fill Calc Hole Fill Act Hole Fill (0000 hrs -	ITROL	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From	8 3/4 SUMMARY F	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE DA Duration	3/4 14 1/4 NTE :	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October	24	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Calc Hole Fill Calc Hole Fill Act Hole Fill (0000 hrs -	ITROL 2400 hrs)	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00	8 3/4 SUMMARY F To 8:45	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75	3/4 14 1/4 NTE : Circulate C	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing	24	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Calc Hole Fill Calc Hole Fill Act Hole Fill (0000 hrs -	ITROL 2400 hrs)	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45	8 3/4 SUMMARY F To 8:45 9:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE DA Duration 8.75 0.25	3/4 14 1/4 NTE : Circulate C Safety mee	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Easing	24	Water added Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Calc Hole Fill Calc Hole Fill Act Hole Fill (0000 hrs -	ITROL 2400 hrs)	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00	8 3/4 SUMMARY F To 8:45 9:00 9:45	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE DA Duration 8.75 0.25 0.75	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing	24 r 6, 2005	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 -	ITROL 2400 hrs) vent	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00	8 3/4 SUMMARY F To 8:45 9:00 9:45	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE DA Duration 8.75 0.25 0.75	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Fripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45 12:00	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00 0:00 	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge
U / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Jubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 8:45 9:00 9:45	8 3/4 SUMMARY F To 8:45 9:00 9:45 12:00 0:00 	NS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools OR THE DA Duration 8.75 0.25 0.75 2.25	3/4 14 1/4 ATE : Circulate C Safety mee Cement 9 5 Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October Casing eting 5/8" Casing ement (Flush	24 r 6, 2005 Pump and Li	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 - Ei nes,Cut Flow	ITROL 2400 hrs) vent v Line and 0	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ontrol 230 > Desilter	x230 x 140 Centrifuge

1	#0									
Flat Bay		0.m		~~~	0	REPORT #:		DATE:		per 8, 2005
DEPTH 24:00: OPER 06:00:	66 Clean Mud	.0 m Tanks	PROGRESS	37.	0 m	Last 24 Hr Ro		6.00 hr Targett	Ave ROF	6.2 m/hr 709-689-4601
	Clean Muu	Tanks		G	bod			izzle	MOBILE NO .:	
DAILY COST:			HOLE CND.:			WEATHER:			TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	•	Rand RD10	TEMP.:		D°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.0	3 m	ROADS:	G	ood		
				CUD	VEYS		IG FLUID	1	DUMD	
Bit No.		ORMANCE		42 m	1.75 °	Time	GFLUID	Pump No.	PUMPS 1	>
Size (mm)	4 216	216		42 111	1.75	Depth(m)		Pump No. Make	Gardner De	enver
Mfg.	SMITH	Mission				Density		Model	PY-7	
туре	ER6508	1411331011				Mud Grad		Liner X Stk	6"x 7"	
Serial #	mn2106	4919				Vis		SPM	40	
Nozzles	OPEN	OPEN				PV		Pump Eff.	95%	
From (mKB)	22	29				YP		Pump Rate	0.39	
To (mKB)	29	140				Gels		Pump Press.	350	
Hrs on Bit	1	5				pН		Drillpipe AV		
WOB (daN)	1	2				WL (cc's)		Drillcollar AV		
RPM	90	20				Filter Cake		Nozzle Vel		
Condition	2	2				Sand (%)				
Pulled For?	Air Ham	TD				Solids (%)		М	UD & CHEN	MICALS
Meters	7	37				Oil (%)		Mud Cycle	58	min
m/hr	1.0	7.4				Pf/Mf		Bottoms Up	6	min
Cum Hrs	1	5				MBT		Tanks	20	m3
						CI (ppm)		Hole Volume	2	m3
воттомн	IOLE ASSEI	MBLY				Ca (ppm)		System Vol.	22	m3
No.	Item	Max OD	Min ID	Connection \$	Size & Type	,				
1	Hammer	1.31		4.5REG				Mud & Chemie	cals Added:	
2	Stabilizer	3.9		4.5REG x 2	7/8IF	Mud Co.				
3						Mud Man				
BHA Length:	5.21	Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	93	DC Conn:						
Jts DP in hole:	8	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
	OPERATIO	NS TIME BR				Water added		Mud Daily Cos	st	
RU / TO	11	Survey	3/4	Plug Back		Losses		Mud Cum Cos		
Drill Actual	6	Logging		Fishing		WELL COM	NTROL	SOLIDS CO	ONTROL	
Reaming	0	Run Casing	1/2	Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh	230 >	x230 x 140
Rm Rathole		woc	2	Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ		NU BOP's	3	Safety meet		Calc Hole Fill		Vol UF (l/min)		0
Tripping	1/2	Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig	1/4	Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST				Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
	SUMMARY F		TE :		r 7, 2005	(0000 hrs -	2400 hrs)			*
From	То	Duration		00100001	, _000		vent			
0:00	2:00	2.00	Wait on Ce	ment						
2:00	2:30	0.50	Torque Cas							
2:30	3:00	0.50		HA and Run ii	n Hole					
3:00	6:00	3.00		Diverter,Rotati		wline,4"Gut L	_ine,Functio	Diverter		
6:00	7:00	1.00		ment From 22						
7:00	7:15	0.25	Rig Service							
7:15	12:00	4.75		Hole,Lay Dow	n Tri-cone,M	ake up Air H	lammer			
12:00	15:00	3.00		harge Line to				Diverter Line		
	18:30	3.50		29 tro 42mtrs						
15:00		0.75		12mtrs 1.75 D	egrees					
18:30	19:15				-					
	19:15 22:30	3.25	Change ou							
18:30				2mtrs to 66m	ntrs					
18:30 19:15	22:30	3.25			ntrs					
18:30 19:15	22:30	3.25			ntrs					
18:30 19:15	22:30	3.25			ntrs					
18:30 19:15 22:30	22:30 0:00	3.25			htrs					
18:30 19:15	22:30 0:00	3.25			itrs					
18:30 19:15 22:30 24 HOUR F	22:30 0:00	3.25	Drill From 4		ntrs					

	#3					REPORT #:	11	DATE:	Octol	oer 9, 2005
DEPTH 24:00:).0 m	PROGRESS	. 74.	0 m	Last 24 Hr Rot		3.75 hr	Ave ROF	
OPER 06:00:	Wait on Ce	ment				FOREMAN:		Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND .:	Go	bod	WEATHER:		lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ingersoll F	Rand RD10	TEMP.:	8	3°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	, v	3 m	ROADS:		ood		
							_			
	BIT PERF	ORMANCE		SUR	VEYS	DRILLIN	IG FLUID		PUMPS	3
Bit No.	BITTER			42 m	1.75 °	Time		Pump No.	1	
Size (mm)				134 m	1.25 °	Depth(m)	140	Make	Gardner De	enver
Mfg.						Density	8.33	Model	PY-7	
Туре						Mud Grad		Liner X Stk	6"x 7"	
Serial #						Vis		SPM	40	
Nozzles						PV		Pump Eff.	95%	
From (mKB)						YP		Pump Rate	0.01	
To (mKB)						Gels		Pump Press.	350	
Hrs on Bit						рН		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)		М	UD & CHEN	NICALS
Meters						Oil (%)		Mud Cycle	2266	min
m/hr						Pf/Mf		Bottoms Up		min
Cum Hrs						МВТ		Tanks	22	m3
L						CI (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEI	MBLY				Ca (ppm)		System Vol.	22	m3
No.	Item	Max OD	Min ID	Connection S	Size & Type					
1								Mud & Chemie	cals Added:	
2						Mud Co.		2 Soda Ash		
3						Mud Man				
BHA Length:		Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:						
Jts DP in hole:		DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATIO	NS TIME BE	REAKDOWN	1	1	Water added		Mud Daily Cos	st	
RU / TO		Survey	1/4	Plug Back		Losses		Mud Cum Cos	st	
RU / TO		Survey	1	Plug Back		Losses	TROL			
RU / TO Drill Actual	3 3/4	Survey Logging	1				ITROL	Mud Cum Cos SOLIDS CO Shaker Make		FSI
RU / TO Drill Actual Reaming		Survey Logging Run Casing	1/4	Plug Back Fishing Work w/Pason		Losses WELL CON	ITROL	SOLIDS CO	ONTROL	FSI <230 x 140
RU / TO Drill Actual		Survey Logging	1/4 3 3/4	Plug Back Fishing		Losses WELL CON RSPP ST/Min	ITROL	SOLIDS CO Shaker Make	ONTROL	
RU / TO Drill Actual Reaming Coring Rm Rathole		Survey Logging Run Casing Cementing	1/4 3 3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM	1/2	Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	SOLIDS CO Shaker Make Shaker Mesh	230 x	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ	3 3/4	Survey Logging Run Casing Cementing WOC NU BOP's	1/4 3 3/4	Plug Back Fishing Work w/Pason Work Pipe	1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	230 x	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping	3 3/4	Survey Logging Run Casing Cementing WOC	1/4 3 3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet	1/2	Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3)	230 x	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig	3 3/4 1 1/2 6 3/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	1/4 3 3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl	1/2 5 1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill	ITROL	SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	230 x	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig	3 3/4 1 1/2 6 3/4 1/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST	1/4 3 3/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks	5 1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	NTROL	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line	3 3/4 1 1/2 6 3/4 1/4 1/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools	1/4 3 3/4 1 1/2	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs	5 1/2 24	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill		SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3)	230 x	x230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE DA	1/4 3 3/4 1 1/2 ATE :	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs	5 1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration	1/4 3 3/4 1 1/2 ATE :	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October	5 1/2 24 8, 2005	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -		SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To 3:45	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hindle Tools COR THE D/ Duration 3.75	1/4 3 3/4 1 1/2 ATE : Drill 216mr	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6	5 1/2 24 8, 2005 56m to 141mt	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To 3:45 4:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D / Duration 3.75 0.50	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Check	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De	5 1/2 24 8, 2005 66m to 141mi tector	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 - Eitrs	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To 3:45 4:15 4:45	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hindle Tools COR THE D / Duration 3.75 0.50 0.50	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Check Rig Service	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1	5 1/2 24 8, 2005 66m to 141mi tector	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 - Eitrs	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45	3 3/4 1 1/2 6 3/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D / Duration 3.75 0.50 0.50	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Check Rig Service Pull out of	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1 Hole	5 1/2 24 8, 2005 66m to 141mi tector	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 - Eitrs	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15	3 3/4 1 1/2 6 3/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hindle Tools COR THE D Duration 3.75 0.50 0.50 0.50 0.25	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Check Rig Service Pull out of Safety Mee	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1 Hole eting	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1	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 - Etrs 1/4 Degrees	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D Duration 3.75 0.50 0.50 0.50 0.25 5.50	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Check Rig Service Pull out of Safety Mee Move Hold	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1 Hole eting ing Tanks , Pu	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1	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 - Etrs 1/4 Degrees	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1 Hole eting ing Tanks , Pu	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1	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 - Etrs 1/4 Degrees	2400 hrs) vent	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15	3 3/4 1 1/2 6 3/4 1/4 1/4 UUMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De e / Survey @ 1 Hole eting ing Tanks , Pu	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1 134mtrs (1 1	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 - E trs I/4 Degrees	2400 hrs) vent) Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	230 x	x230 x 140 Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75 1.00	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October n Hole From 6 k with Gas De 2 / Survey @ 1 Hole eting ing Tanks , Pu e ents with Wate	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 140mtrs (1 140mtrs (1 140m	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 - E trs I/4 Degrees Clean Mud T Ash, Circulate	2400 hrs) vent) Tanks e Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15	3 3/4 1 1/2 6 3/4 1/4 1/4 UUMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October m Hole From 6 k with Gas De a / Survey @ 1 Hole eting ing Tanks , Pu a e unks with Wate vn Discharge I	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1 134mtrs (1 1 14mtrs (1 14mtrs (1 1 14mtrs (1 1 14mtrs (1 1 14mtrs (1 1 14mtr	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 - E trs 1/4 Degrees Clean Mud T Ash, Circulate Head, Diverte	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75 1.00	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri-	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October m Hole From 6 k with Gas De a / Survey @ 1 Hole eting ing Tanks , Pu a e unks with Wate vn Discharge I -cone,RIH,Fill	5 1/2 24 8, 2005 66m to 141mt tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 14mtrs (1 1 14	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 - E trs Clean Mud T Ash, Circulate Head, Diverte uid, FlowChe	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 UMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00 18:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.25 5.50 0.25 0.75 1.00 5.50	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of I Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri- Annular, Rcc	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October m Hole From 6 k with Gas De 2 / Survey @ 1 Hole sting ing Tanks , Pu e unks with Wate vn Discharge I -cone,RIH,Fill	5 1/2 24 8, 2005 66m to 141mi tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 104 tector 134mtrs (1 1 104 tector 13	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 - E trs Clean Mud T Ash, Circulate Head, Diverte uid, FlowChe	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 SUMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D . Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75 1.00	1/4 3 3/4 1 1/2 ATE : Drill 216mr Flow Checl Rig Service Pull out of I Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri Annular,Rcc Rig to and	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October m Hole From 6 k with Gas De a / Survey @ 1 Hole sting ing Tanks , Pu a back with Wate yn Discharge I -cone,RIH,Fill otating Head,F Run 7" Casing	5 1/2 24 8, 2005 66m to 141mi tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 104 Line to S 105 Line to S	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 Fill Clean Mud T Ash, Circulate Head, Diverte uid, FlowChe Shaker	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00 18:30 	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D/ Duration 3.75 0.50 0.50 0.25 5.50 0.25 0.75 1.00 5.50	1/4 3 3/4 1 1/2 XTE : Drill 216mr Flow Checl Rig Service Pull out of I Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri Annular, Rc Rig Service	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October In Hole From 6 k with Gas De A / Survey @ 1 Hole sting e mks with Wate vn Discharge I -cone,RIH,Fill batting Head,F Run 7" Casing a / Safety Mee	5 1/2 24 8, 2005 66m to 141mi tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 100 Line to S 100 Line to S	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 - E trs 1/4 Degrees Clean Mud T Ash, Circulate Head,Diverte uid,FlowChe Shaker hange)	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 3:45 4:15 5:15 5:30 11:00 11:15 12:00 13:00 13:00 19:00 19:15	3 3/4 1 1/2 6 3/4 1/4 1/4 UMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00 18:30 	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D/ Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 0.75 1.00 5.50	1/4 3 3/4 1 1/2 Safet Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri- Annular,Rcc Rig Service Run 15 joir	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October m Hole From 6 k with Gas De a / Survey @ 1 Hole sting ing Tanks , Pu a back with Wate yn Discharge I -cone,RIH,Fill otating Head,F Run 7" Casing	5 1/2 24 8, 2005 66m to 141mi tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 104 Line to S 105 Line 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 (0000 hrs - E trs 1/4 Degrees Clean Mud T Ash, Circulate Head,Diverte uid,FlowChe Shaker hange)	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00	3 3/4 1 1/2 6 3/4 1/4 1/4 1/4 UMMARY I To 3:45 4:15 4:45 5:15 5:30 11:00 11:15 12:00 13:00 18:30 	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools COR THE D/ Duration 3.75 0.50 0.50 0.50 0.25 5.50 0.25 5.50 0.25 1.00 5.50 0.25 0.75	1/4 3 3/4 1 1/2 Safet Drill 216mr Flow Checl Rig Service Pull out of Safety Mee Move Hold Rig Service Run in Hole Fill Mud Ta Nipple Dow Pick up Tri- Annular,Rcc Rig Service Run 15 joir	Plug Back Fishing Work w/Pason Mix LCM Safety meet Weld on Bowl BOP Drill Clean Tanks Total Hrs October In Hole From 6 k with Gas De a / Survey @ 1 Hole sting ing Tanks , Pu a hole sting cone,RIH,Fill otating Head,F Run 7" Casing a / Safety Mee ints of 7" 17-Ib/	5 1/2 24 8, 2005 66m to 141mi tector 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 134mtrs (1 1 104 Line to S 105 Line 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 (0000 hrs - E trs 1/4 Degrees Clean Mud T Ash, Circulate Head,Diverte uid,FlowChe Shaker hange)	2400 hrs) vent) Tanks e Tanks er Tanks	SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	DNTROL 230 ; Desilter	x230 x 140 Centrifuge (to 24:00)

EASSEM	DRMANCE	PROGRESS: HOLE CND.: RIG / RIG #: K.B. ELEV.:	Gc Ingersoll R 3.3	ood Rand RD10 3 m VEYS 1.75 ° 1.25 °	REPORT #: Last 24 Hr Rota FOREMAN: WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%) Solids (%)	Tom C E G	DATE: Targett lear 3°C Ood Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump	Octob Ave ROF MOBILE NO.: TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner Da PY-7 6"x 7" 40 95% 0.01 350	709-689-4601 Tom Targett 709-649-4957
T PERF(DRMANCE	HOLE CND.: RIG / RIG #:	Go Ingersoll R 3.3 SUR 42 m	Rand RD10 3 m VEYS 1.75 °	FOREMAN: WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)	Tom C E G	lear 3°C ood Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Rate Pump Press. Drillpipe AV Drillcollar AV	MOBILE NO.: TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner De PY-7 6"x 7" 40 95% 0.01	709-689-4601 Tom Targett 709-649-4957
T PERFC	DRMANCE	RIG / RIG #:	Ingersoll R 3.3 SUR 42 m	Rand RD10 3 m VEYS 1.75 °	WEATHER: TEMP.: ROADS: DRILLING Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)	C ٤ G	lear 3°C ood Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Rate Pump Press. Drillpipe AV Drillcollar AV	TOOLPUSH: T.P. MOBILE: PUMPS 1 Gardner De PY-7 6"x 7" 40 95% 0.01	Tom Targett 709-649-4957
EASSEM		RIG / RIG #:	Ingersoll R 3.3 SUR 42 m	Rand RD10 3 m VEYS 1.75 °	TEMP.: ROADS:	8 G	Port Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	T.P. MOBILE: PUMPS 1 Gardner De PY-7 6"x 7" 40 95% 0.01	709-649-4957
EASSEM			3.3 SUR 42 m	3 m VEYS 1.75 °	ROADS: DRILLING Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)	G	OOD Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	PUMPS 1 Gardner De PY-7 6"x 7" 40 95% 0.01	3
EASSEM		K.B. ELEV.:	SUR 42 m	VEYS 1.75 °	DRILLING Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)		Pump No. Make Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	1 Gardner De PY-7 6"x 7" 40 95% 0.01	
EASSEM			42 m	1.75 °	Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)	S FLUID	Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	1 Gardner De PY-7 6"x 7" 40 95% 0.01	
EASSEM			42 m	1.75 °	Time Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)	<u>FLUID</u>	Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	1 Gardner De PY-7 6"x 7" 40 95% 0.01	
	IBLY				Depth(m) Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)		Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	PY-7 6"x 7" 40 95% 0.01	enver
	IBLY		134 m	1.25 °	Density Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)		Model Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	PY-7 6"x 7" 40 95% 0.01	enver
	IBLY				Mud Grad Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)		Liner X Stk SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	6"x 7" 40 95% 0.01	
	IBLY				Vis PV YP Gels pH WL (cc's) Filter Cake Sand (%)		SPM Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	40 95% 0.01	
	IBLY				PV YP Gels pH WL (cc's) Filter Cake Sand (%)		Pump Eff. Pump Rate Pump Press. Drillpipe AV Drillcollar AV	95% 0.01	
	IBLY				YP Gels pH WL (cc's) Filter Cake Sand (%)		Pump Rate Pump Press. Drillpipe AV Drillcollar AV	0.01	
	IBLY				Gels pH WL (cc's) Filter Cake Sand (%)		Pump Press. Drillpipe AV Drillcollar AV		
	IBLY				pH WL (cc's) Filter Cake Sand (%)		Drillpipe AV Drillcollar AV	350	
	IBLY				WL (cc's) Filter Cake Sand (%)		Drillcollar AV		
	IBLY				Filter Cake Sand (%)				
	IBLY				Sand (%)		Nozzle Vel		
	IBLY						1		
	IBLY				Solide (9/)		I		
	IBLY				Solius (%)		M	UD & CHEN	IICALS
	IBLY				Oil (%)		Mud Cycle		min
	IBLY				Pf/Mf		Bottoms Up		min
	IBLY	1			МВТ		Tanks		m3
	IBLY				CI (ppm)		Hole Volume		m3
m					Ca (ppm)		System Vol.		m3
	Max OD	Min ID	Connection S	Size & Type					
							Mud & Chemic	cals Added:	
					Mud Co.				
					Mud Man				
	Hook Load:		DP size		Mud Up @				
	Jts DP Racks	101	DC Conn:	-					
	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M°			
ERATION	IS TIME BR	EAKDOWN			Water added		Mud Daily Cos	st	
	Survey		Plug Back		Losses		Mud Cum Cos	st	
	Logging		Fishing		WELL CONT	ROL	SOLIDS CO	ONTROL	
	Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
	Cementing		Work Pipe		ST/Min		Shaker Mesh	230 >	(230 x 140
	WOC		Mix LCM		MACP(kPa)			Desilter	Centrifuge
	NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)		
	Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
	Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
	DST		Wait on Cement	24	Calc Hole Fill		Hours/Days		
	Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
IMARY F	OR THE DA	TE :	October	9,2005	(0000 hrs - 2	400 hrs)			
	-		0010001	0,2000	`	,			
		Wait on Ce	ment						
				Job, Make u	p all Bolts on I	Diverter, F	Rotating Head	d , Rig out 4	" Gut line
		Prepare Ca	sing Bowl and	d x/o Spools	For Nipple up	, Change	out Gauges	on Compres	sor and
		Stand Pipe		•		-		•	
		-							
ast :			-						
	ERATION	Jts DP Racks DP on Loc: ERATIONS TIME BR Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools MARY FOR THE DA To Duration	Jts DP Racks 101 DP on Loc: 153 ERATIONS TIME BREAKDOWN Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools MARY FOR THE DATE : To Duration 0:00 24.00 Wait on Ce Prepare Check Fluid Prepare Ca	Jts DP Racks 101 DC Conn: DP on Loc: 153 DP Conn: ERATIONS TIME BREAKDOWN Plug Back Logging Fishing Run Casing Work w/Pason Cementing Work Pipe WOC Mix LCM NU BOP's Safety meet Test BOPs Weld on Bowl Drill Out Cmt BOP Drill DST Wait on Cement Hndle Tools Total Hrs MARY FOR THE DATE : October 0:00 24.00 Wait on Cement Prepare for Cement Check Fluid end in Mud	Jts DP Racks 101 DC Conn: 2 7/8IF DP on Loc: 153 DP Conn: 2 7/8IF ERATIONS TIME BREAKDOWN Plug Back Logging Fishing Run Casing Work w/Pason Cementing Work w/Pason Cementing Work w/Pason Cementing Work Pipe WOC Mix LCM NU BOP's Safety meet Test BOPs Weld on Bowl Drill Out Cmt BOP Drill DST Wait on Cement 24 MARY FOR THE DATE : October 9, 2005 24 0:00 24.00 Wait on Cement Job, Make u 0:00 24.00 Wait on Cement Job, Make u Prepare for Cement Job, Make u Check Fluid end in Mud Pump ,Spot fluit Prepare Casing Bowl and x/o Spools	Jts DP Racks 101 DC Conn: DP on Loc: 153 DP Conn: 2 7/8IF VOLUMES ERATIONS TIME BREAKDOWN Water added Survey Plug Back Losses Logging Fishing WELL CONT Run Casing Work w/Pason RSPP Cementing Work Pipe ST/Min WOC Mix LCM MACP(kPa) NU BOP's Safety meet Calc Hole Fill Test BOPs Weld on Bowl Lst BOP Drill: DST Wait on Cement 24 Hndle Tools Total Hrs 24 MARY FOR THE DATE : October 9, 2005 (0000 hrs - 2 To Duration Even 0:00 24.00 Wait on Cement Prepare for Cement Job, Make up all Bolts on I Check Fluid end in Mud Pump ,Spot Manifold , Strir Prepare Casing Bowl and x/o Spools For Nipple up Prepare Casing Bowl and x/o Spools For Nipple up	Jts DP Racks 101 DC Conn: DP on Loc: 153 DP Conn: 2 7/8IF ERATIONS TIME BREAKDOWN Water added Survey Plug Back Losses Logging Fishing WELL CONTROL Run Casing Work w/Pason RSPP Cementing Work W/Pason Calc Hole Fill WOC Mix LCM MACP(kPa) NU BOP's Safety meet Calc Hole Fill Test BOPs Weld on Bowl Act Hole Fill DST Wait on Cement 24 Hndle Tools Total Hrs 24 Act Hole Fill Act Hole Fill MARY FOR THE DATE : October 9, 2005 (0000 hrs - 2400 hrs) To Duration Event 0:00 24.00 Wait on Cement Job, Make up all Bolts on Diverter , F Check Fluid end in Mud Pump ,Spot Manifold , String HCR Li Prepare Casing Bowl and x/o Spools For Nipple up , Change	Jts DP Racks 101 DC Conn: 2 7/8IF VOLUMES M ³ ERATIONS TIME BREAKDOWN Water added Mud Daily Condition Mud Daily Condition Mud Daily Condition Survey Plug Back Losses Mud Cum Cost Logging Fishing Mud Cum Cost Run Casing Work w/Pason RSPP Shaker Make Cementing Work Pipe ST/Min Shaker Mesh WOC Mix LCM MACP(kPa) Vol UF (l/min) NU BOP's Safety meet Calc Hole Fill Vol UF (l/min) Test BOPs Weld on Bowl Act Hole Fill U.F. (kg/m3) DST Wait on Cement 24 Act Hole Fill Hours/Days MARY FOR THE DATE : October 9, 2005 (0000 hrs - 2400 hrs) Boiler Hrs: 0:00 24.00 Wait on Cement Event 0:000 hrs. Prepare for Cement Job, Make up all Bolts on Diverter , Rotating Heal 0:00 24.00 Wait on Cement Prepare Casing Bowl and x/o Spools For Nipple up , Change out Gauges	Jts DP Racks 101 DC Conn: 2 7/8IF VOLUMES M ³ ERATIONS TIME BREAKDOWN Water added Mud Daily Cost Survey Plug Back Losses Mud Cum Cost Logging Fishing Water added Mud Cum Cost Run Casing Work w/Pason RSPP Shaker Make 230 x WOC Mix LCM MACP(kPa) Vol UF (l/min) Desilter VOU USOP's Safety meet Calc Hole Fill Vol UF (l/min) D.F. (kg/m3) DST Wait on Cement 24 Act Hole Fill D.F. (kg/m3) D.F. (kg/m3) DST Wait on Cement 24 Act Hole Fill Boiler Hrs: Boiler Hrs: MARY FOR THE DATE : October 9, 2005 (0000 hrs - 2400 hrs) Total Hrs 24 Act Hole Fill Boiler Hrs: 0:00 24.00 Wait on Cement 24 Act Hole Fill Boiler Hrs: Boiler Hrs: 0:00 24.00 Wait on Cement 24 Act Hole Fill Boiler Hrs: Boiler Hrs: 0:00 24.00 Wait on Cement 24 Act Hole Fill Boiler

	#3					REPORT #:	13	DATE:	Octob	er 11, 2005
DEPTH 24:00:	140).0 m	PROGRESS	:		Last 24 Hr Rot	tating Time:		Ave ROP	I
OPER 06:00:	Nipple up					FOREMAN:	Tom	Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND.:			WEATHER:	Dr	izzle	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ingersoll F	Rand RD10	TEMP.:	9	°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
	BIT PERF	ORMANCE		SUR	VEYS	DRILLIN	ig fluid		PUMPS	3
Bit No.				42 m	1.75 °	Time		Pump No.	1	
Size (mm)				134 m	1.25 °	Depth(m)		Make	Gardner De	enver
Mfg.						Density		Model	PY-7	
Туре						Mud Grad		Liner X Stk	6"x 7"	
Serial #						Vis		SPM	40	
Nozzles						PV		Pump Eff.	95%	
From (mKB)						YP		Pump Rate	0.01	
To (mKB)						Gels		Pump Press.	350	
Hrs on Bit						pH		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM Condition						Filter Cake Sand (%)		Nozzle Vel		
Condition Pulled For?						Sand (%) Solids (%)		м	UD & CHEN	
Meters						Oil (%)		Mud Cycle		min
m/hr						Off (%) Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
ounnino						CI (ppm)		Hole Volume		m3
воттомн	OLE ASSEI	MBLY		11		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	ou (ppiii)		Cystem vol.		ino
1		indix 0 D						Mud & Chemi	cals Added:	
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:						
Jts DP in hole:		DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING (OPERATIO			4	1	Water added		Mud Daily Cos	st	
RU / TO		Survey		Plug Back		Losses		Mud Cum Cos	st	
RU / TO		Survey		1			ITROL			
				Plug Back		Losses	ITROL	Mud Cum Cos		FSI
RU / TO Drill Actual Reaming		Survey Logging	1	Plug Back Fishing		Losses WELL CON	ITROL	Mud Cum Cos SOLIDS CO	ONTROL	FSI (230 x 140
RU / TO Drill Actual		Survey Logging Run Casing		Plug Back Fishing Work w/Pason		Losses WELL CON RSPP	ITROL	Mud Cum Cos SOLIDS CO Shaker Make	ONTROL	
RU / TO Drill Actual Reaming Coring	1/2	Survey Logging Run Casing Cementing	1	Plug Back Fishing Work w/Pason Work Pipe	1/2	Losses WELL CON RSPP ST/Min	ITROL	Mud Cum Cos SOLIDS CO Shaker Make	ONTROL 230 ×	(230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ		Survey Logging Run Casing Cementing WOC	1	Plug Back Fishing Work w/Pason Work Pipe Mix LCM	1/2 4 1/2	Losses WELL CON RSPP ST/Min MACP(kPa)	ITROL	Mud Cum Cos SOLIDS Co Shaker Make Shaker Mesh	ONTROL 230 ×	(230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole		Survey Logging Run Casing Cementing WOC NU BOP's	1	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet		Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill	ITROL	Mud Cum Cos SOLIDS CO Shaker Make Shaker Mesh Vol UF (I/min)	ONTROL 230 ×	(230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping	1/2	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs	1	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl	4 1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill: Calc Hole Fill	ITROL	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	(230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line	1/2 1/4	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools	1 17 1/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl		Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Act Hole Fill Lst BOP Drill:	ITROL	Mud Cun Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3)	ONTROL 230 ×	(230 x 140
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S	1/2 1/4 UMMARY I	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hndle Tools	1 17 1/4	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs	4 1/2	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs)	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From	1/2 1/4 UMMARY I To	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration	1 17 1/4 ATE :	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October	4 1/2 24 10, 2005	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) vent	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00	1/2 1/4 UMMARY I To 11:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOP's Drill Out Cmt DST Hindle Tools FOR THE D/ Duration 11.00	1 17 1/4 ATE : Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V	4 1/2 24 10, 2005	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) vent	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 111:00	1/2 1/4 UMMARY I To 11:00 11:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50	1 17 1/4 ATE : Wait on Ce Circulate H	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V Iole	4 1/2 24 10, 2005	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) vent	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 111:00 111:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V Iole etting	4 1/2 24 10, 2005 Weld 2"Drain	Losses WELL CON RSPP ST/Min MACP(kPa) Calc Hole Fill Lst BOP Drill: Calc Hole Fill Act Hole Fill Act Hole Fill (0000 hrs -	2400 hrs) vent	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 111:00 111:30 111:45	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump .5Cu	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V tole eting ubic meters of	4 1/2 24 10, 2005 Weld 2"Drain Water	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 - Eta on Conductor	2400 hrs) vent pr	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 111:00 111:30 111:45 12:00	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump .5Cu Pump 3 Cu	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V lole etting ubic meters of ubic Meters of	4 1/2 24 10, 2005 Weld 2"Drain Water	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 - Eta on Conductor	2400 hrs) vent pr	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45	1/2 1/4 UMMARY I 11:00 11:30 11:45 12:00 12:45 19:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.25 0.25 0.75 6.25	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump .5Cu Pump 3 Cu Wait on Ce	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V lole etting ubic meters of abic Meters of ement	4 1/2 24 10, 2005 Veld 2"Drain Water Cement,20M	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 - Eta on Conductor	2400 hrs) vent pr	Mud Cum Cos SOLIDS C(Shaker Make Shaker Mesh Vol UF (l/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days	ONTROL 230 ×	Centrifuge
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.25 0.25 0.25 0.75 6.25 0.50	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump .5Cu Pump 3 Cu Wait on Ce Rig Service	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V tole etting ubic meters of pubic Meters of ement e, Safety Mee	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Slip/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45	1/2 1/4 UMMARY I 11:00 11:30 11:45 12:00 12:45 19:00	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.25 0.25 0.75 6.25	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V tole etting ubic meters of abic Meters of ement e, Safety Mee emove 7"casin	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Silp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.25 0.25 0.25 0.75 6.25 0.50	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ement,ut and V tole etting ubic meters of abic Meters of ement e, Safety Mee emove 7"casin	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Silp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Repair Rig Silp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
RU / TO Drill Actual Reaming Coring Rm Rathole Cond / Circ Tripping Lubricate Rig Bilp/Cut Line 24 HOUR S From 0:00 11:00 11:30 11:45 12:00 12:45 19:00 19:30	1/2 1/4 UMMARY I To 11:00 11:30 11:45 12:00 12:45 19:00 19:30 22:30	Survey Logging Run Casing Cementing WOC NU BOP's Test BOPs Drill Out Cmt DST Hndle Tools FOR THE D/ Duration 11.00 0.50 0.25 0.25 0.75 6.25 0.50 3.00	1 17 1/4 ATE : Wait on Ce Circulate H Safety Mee Pump 3 Cu Pump 3 Cu Wait on Ce Rig Service Cut and Re Conductor	Plug Back Fishing Work w/Pason Work Pipe Mix LCM Safety meet Weld on Bowl BOP Drill Total Hrs October ment,ut and V tole etting ubic meters of ubic Meters of ement e, Safety Mee emove 7"casing and 7" Casing	4 1/2 24 10, 2005 Weld 2"Drain Water Cement,20W sting ag,Remove F	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 - E on Conductor IA , 15.2 ppg	2400 hrs) vent or Cement	Mud Cum Cos SOLIDS CC Shaker Make Shaker Mesh Vol UF (I/min) U.F. (kg/m3) O.F. (kg/m3) Hours/Days Boiler Hrs:	ONTROL 230 > Desilter	(to 24:00)
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Tripping Lubricate Rig 3/4 1/4 Test BOPs Drill Out Cmt DST 5 1/2 3 Weld on Bowl BOP Drill Act Hole Fill Lst BOP Drill: Calc Hole Fill U.F. (kg/m3) D.F. (kg/m3) Hours/Days 24 HOUR SUMMARY FOR THE DATE : October 11, 2005 October 11, 2005 (0000 hrs - 2400 hrs) Boiler Hrs: Boiler Hrs: (to 24: Hours/Days 24 HOUR SUMMARY FOR THE DATE : October 11, 2005 October 11, 2005 (0000 hrs - 2400 hrs) Event 0:00 11:00 11:00 Nipple UP BOP's Event 0000 hrs 11:00 11:00 Stop Pressure Test BOP's Event 0000 hrs 11:00 19:00 2.50 Fab and Weld Flowline 000 hrs 11:00 19:00 19:30 0.50 Rig Service / Crew Change 000 hrs 19:45 0.255 19:45 0.255 BOP Drill BOP Drill 1000 coment 1000 coment 1000 coment 1000 coment 23:30 0:00 0.50 Drill From 141mtrs to 142trs 1000 coment 1000 coment 1000 coment 23:30 0:00 0.50 Drill From 141mtrs to 142trs 1000 coment 1000 coment 10:00 10:00 10:00 coment	Rm Rathole		WOC		Mix LCM		MACP(kPa)	5543		Desilter	Centrifuge
Lubricate Rig Repair Rig Sip/Cut Line		- / /			2	1/4			. ,		
Repair Rig DST Total Hrs 24 Calc Hole Fill Hours/Days Slip/Cut Line Total Hrs 24 Act Hole Fill Boiler Hrs: (to 24) 24 HOUR SUMMARY FOR THE DATE : October 11, 2005 (0000 hrs - 2400 hrs) Event 0:00 11:00 11.00 Nipple UP BOP's Event 11:00 16:30 5.50 Pressure Test BOP's Event 16:30 19:00 2.50 Fab and Weld Flowline Event 19:00 19:30 0.50 Rig Service / Crew Change Event 19:01 19:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 20:30 0.50 Drill From 141mtrs to 142trs Event Event Event											
Stip/Cut Line Hndle Tools Total Hrs 24 Act Hole Fill Boiler Hrs: (to 24) 24 HOUR SUMMARY FOR THE DATE : October 11, 2005 (0000 hrs - 2400 hrs) Event 0000 11:00 11:00 11:00 Nipple UP BOP's Event 0000 11:00 16:30 5.50 Pressure Test BOP's 16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs	-	1/4		3	BOP Drill	1/4					
24 HOUR SUMMARY FOR THE DATE : October 11, 2005 (0000 hrs - 2400 hrs) From To Duration Event 0:00 11:00 11.00 Nipple UP BOP's 11:00 16:30 5.50 Pressure Test BOP's 16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs					T-4-111	24					(42.24:00)
From To Duration Event 0:00 11:00 11.00 Nipple UP BOP's 11:00 16:30 5.50 Pressure Test BOP's 16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs				TC .		1			Duller HIS.		(10 24.00)
0:00 11:00 11:00 Nipple UP BOP's 11:00 16:30 5.50 Pressure Test BOP's 16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs					October	11, 2005					
11:00 16:30 5.50 Pressure Test BOP's 16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs				Nipple UP I	BOP's						
16:30 19:00 2.50 Fab and Weld Flowline 19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole , Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs											
19:00 19:30 0.50 Rig Service / Crew Change 19:30 19:45 0.25 BOP Drill 19:45 20:30 0.75 Make up BHA , Run in Hole , Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs											
19:45 20:30 0.75 Make up BHA , Run in Hole ,Tag Cement @ 93mtrs 20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			0.50	<u> </u>	/ Crew Chan	ge					
20:30 23:30 3.00 Drill out Cement 23:30 0:00 0.50 Drill From 141mtrs to 142trs 4 4 4 5 4 4 6 4 4 6 4 4 6 4 4 7 4 4 6 4 4 7 4 4 6 4 4 7 4 4 6 4 4 7 4 4 6 4 4 7 4 4 8 4 4 9 4 4 10 4 4 10 4 4 10 4 4					-			-	-		
23:30 0:00 0.50 Drill From 141mtrs to 142trs 20:00 0.50 Drill From 141mtrs to 142trs 20:00 <t< td=""><td></td><td></td><td></td><td>Make up Bl</td><td>HA , Run in H</td><td>ole ,Tag Cer</td><td>nent @ 93mt</td><td>trs</td><td></td><td></td><td></td></t<>				Make up Bl	HA , Run in H	ole ,Tag Cer	nent @ 93mt	trs			
Image: Second						~					
24 HOUR Forcast :	23:30	0:00	0.50	Drill From 1	41mtrs to 142	2trs					
24 HOUR Forcast :											
24 HOUR Forcast :											
24 HOUR Forcast :											
	24 HOUR F	orcast :									
Drill 156mm to 144mtrs ,Leak off Test ,POOH , Change to Air Hammer , RIH , Continue Drilling			s look off T	ast POOU	Change to A	ir Hammer					

vuica								1		
Flat Bay			T			REPORT #:	15	DATE:	L	tober 13, 2005
DEPTH 24:00:).0 m	PROGRESS	228	.0 m	Last 24 Hr Rot		14.00 hr	Ave ROP	
OPER 06:00:	Wait on Log	ggers		0		FOREMAN:		Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND.:		bod	WEATHER:		lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ş	Rand RD10	TEMP.:		°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
		ORMANCE		SUD	VEYS	DRILLIN			PUN	ADS.
Bit No.		2		42 m	1.75 °	Time	2:30	Pump No.	1	1173
Size (mm)	156	159		134 m	1.75 °	Depth(m)	144	Make	Gardner De	enver
Mfg.	Varel	Mission		302 m	3.00 °	Density	1020	Model	PY-7	
Туре	ET034	Hammer		370 m	4.00 °	Mud Grad		Liner X Stk	6"x 7"	
Serial #	206625	898290				Vis		SPM	40	
Nozzles	OPEN	OPEN				PV		Pump Eff.	95%	
From (mKB)	141	144				YP		Pump Rate	0.01	
To (mKB)	144					Gels		Pump Press.	350	
Hrs on Bit	1 1/4	5 1/4				pН		Drillpipe AV		
WOB (daN)	1	2				' WL (cc's)		Drillcollar AV		
RPM	90	20				Filter Cake		Nozzle Vel		
Condition	1	1				Sand (%)				
Pulled For?	Air Ham					Solids (%)			MUD & CH	IEMICALS
Meters	2	100				Oil (%)		Mud Cycle	728	min
m/hr						Pf/Mf		Bottoms Up	728	min
Cum Hrs						мвт		Tanks	_	m3
						CI (ppm)		Hole Volume	7	m3
BOTTOMH	OLE ASSE			1		Ca (ppm)		System Vol.	7	m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	Ca (ppiii)		Gystern vol.		110
1	BIT	156mm	NIIT ID	3 1/2 REG		-1		Mud & Chemio	als Added.	
2	Stabilizer	156		3 1/2 REG x	2 7/8"IF	Mud Co.			cais Added.	
3	Otabilizor	100		o me neo x	21/01	Mud Oo. Mud Man				
BHA Length:	1	Hook Load:	I	DP size		Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:	-					
	31	DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
Jts DP in hole:	-	NS TIME BR			2 1/0IF	Water added		Mud Daily Cos	4	
RU / TO		Survey	1	Plug Back		Losses		Mud Cum Cos		
Drill Actual	14	Logging		Fishing		WELL CON		SOLIDS CO		
Reaming	1	Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring	•	Cementing		Work Pipe		ST/Min		Shaker Mesh	22	30 x230 x 140
Rm Rathole		WOC		Mix LCM		MACP(kPa)		onaker ween	Desilter	Centrifuge
Cond / Circ		NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)	Desiter	Continugo
Tripping	4 3/4	Test BOPs	1 1/4	Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig	1/2	Drill Out Cmt	, .	BOP Drill	1/4	Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig	1/2	DST		Wait on Orders	3/4	Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
		OR THE DA	TF ·		12, 2005	(0000 hrs - 1	2400 hrs)			(
From	То	Duration		0010001	12, 2000	(00001113	Event			
0:00	1:15	1.25	Drill Out flo	at and shoe a	t 141m and	continue to di	rill to 144m			
1:15	2:30	1.25							sure drop. G	iradient 48.3-kPa/m
2:30	3:30	1.00		Hole , Change	Ŷ	Ŷ		•	•	
3:30	4:45	1.25		to 141mtrs						
4:45	5:45	1.00	Ream From	n 141 to 144m	ntrs					
5:45	6:00	0.25		h Hole From 1		irs				
6:00	6:30	0.50	Replace Ga	asket on Discl	harge Line					
6:30	11:30	5.00		47mts to 244						
11:30	11:45	0.25	Bop Drill							
11:45	12:00	0.25	Rig Service	1						
12:00	14:45	2.75		44mtrs to 302	2mtrs					
14:45	15:15	0.50	Survey @ 3	302mtrs , 3 De	egrees					
15:15	20:00	4.75	,	02mtrs to 370	•					
20:00	21:00	1.00	Safety Mee	ting / Wait on	Orders					
21:00	21:30	0.50	Survey @ 3	370m 4degree	es					
21:30	0:00	2.50	Pull out of I	Hole , Lay Do	wn Air Hamr	ner				
24 HOUR F	orcast :									
Wait on Log	ggers									

		1013						DAIL		NG REPORT
Flat Bay						REPORT #:	16	DATE:	1	er 14, 2005
DEPTH 24:00:).0 m	PROGRESS:			Last 24 Hr Rota		T 44	Ave ROP	
OPER 06:00:	Wait on Or	ders	1			FOREMAN:		Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND.:			WEATHER:		lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	, v	and RD10	TEMP.:		D°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
		00111105						1	DUMD	
Bit No.	BII PERF	ORMANCE		42 m	VEYS 1.75 °	DRILLING Time	3 FLUID	Pump No.)
Size (mm)				134 m	1.75 °	Depth(m)		Pump No. Make	Gardner De	nver
Mfg.				302 m	3.00 °	Density		Model	PY-7	
туре				370 m	4.00 °	Mud Grad		Liner X Stk	6"x 7"	
Serial #						Vis		SPM	40	
Nozzles						PV		Pump Eff.	95%	
From (mKB)						YP		Pump Rate	0.01	
To (mKB)						Gels		Pump Press.	350	
Hrs on Bit						рН		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM						Filter Cake		Nozzle Vel		
Condition						Sand (%)				
Pulled For?						Solids (%)		-	UD & CHEN	
Meters						Oil (%)		Mud Cycle		min
m/hr Cum Hrs						Pf/Mf MBT		Bottoms Up Tanks		min m3
						Cl (ppm)		Hole Volume		m3
BOTTOMH	OLE ASSEI									m3
No.	Item	Max OD	Min ID	Connection S	Size & Type	Ca (ppm)		System Vol.		1113
1	BIT	159mm		3 1/2 REG		-		Mud & Chemio	cals Added:	
2	Stabilizer	156		3 1/2 REG x	2 7/8"IF	Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:						
Jts DP in hole:		DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING	OPERATIO	NS TIME BR	EAKDOWN			Water added		Mud Daily Cos	st	
RU / TO		Survey		Plug Back		Losses		Mud Cum Cos	st	
Drill Actual		Logging	3 1/4	Fishing		WELL CON	TROL	SOLIDS CO	ONTROL	
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh		(230 x 140
Rm Rathole		WOC		Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ	3	NU BOP's		Safety meet		Calc Hole Fill		Vol UF (I/min)		
Tripping Lubricate Rig	3	Test BOPs Drill Out Cmt		Weld on Bowl BOP Drill		Act Hole Fill Lst BOP Drill:		U.F. (kg/m3) O.F. (kg/m3)		
Repair Rig		DIM OUL CHIL		Wait on Loggers	17 3/4	Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
			TE .		13, 2005		100 hrs)	Doller 113.		(10 24:00)
From		Duration		October	13, 2005	(0000 hrs - 2	ent			
0:00	17:45	17.75	Wait on Lor	ggers / Rig Ou	ut		5/IL			
17:45	10:45	3.00	Wiper Trip							
10:45	0:00	13.25		ers , Safety M	leeting, Log	Hole				
			0 00							
24 HOUR F	orcast :									
				for Rig Move						

Flat Bay #	#3					REPORT #:	17	DATE:	Octob	er 15, 2005
DEPTH 24:00:).0 m	PROGRESS	:		Last 24 Hr Rota	ating Time:	- i .	Ave ROF	
OPER 06:00:	Wait on Da	ylight	·			FOREMAN:	Tom	Targett	MOBILE NO .:	709-689-4601
DAILY COST:			HOLE CND .:			WEATHER:	С	lear	TOOLPUSH:	Tom Targett
CUM COST:			RIG / RIG #:	Ingersoll F	Rand RD10	TEMP.:	1	0°C	T.P. MOBILE:	709-649-4957
FORMATION:			K.B. ELEV.:	3.3	3 m	ROADS:	G	ood		
	BIT PERF	ORMANCE		SUR	VEYS	DRILLIN	G FLUID		PUMPS	5
Bit No.				42 m	1.75 °	Time		Pump No.	1	
Size (mm)				134 m	1.25 °	Depth(m)		Make	Gardner D	enver
Mfg.				302 m	3.00 °	Density		Model	PY-7	
Туре				370 m	4.00 °	Mud Grad		Liner X Stk	6"x 7"	
Serial #						Vis		SPM	40	
Nozzles						PV		Pump Eff.	95%	
From (mKB)						YP		Pump Rate	0.01	
To (mKB)						Gels		Pump Press.	350	
Hrs on Bit						pH		Drillpipe AV		
WOB (daN)						WL (cc's)		Drillcollar AV		
RPM Condition						Filter Cake		Nozzle Vel		
Condition Pulled For?						Sand (%) Solids (%)		м	UD & CHEN	
Meters						Oil (%)		Mud Cycle		min
m/hr						Oli (%) Pf/Mf		Bottoms Up		min
Cum Hrs						MBT		Tanks		m3
Calific						CI (ppm)		Hole Volume		m3
воттомно	DI E ASSEI			1		Ca (ppm)		System Vol.		m3
No.	Item	Max OD	Min ID	Connection \$	Size & Type	Ga (ppili)		Gystern vol.		1115
1		indix 0 D						Mud & Chemi	cals Added:	
2						Mud Co.				
3						Mud Man				
BHA Length:		Hook Load:		DP size		Mud Up @				
Avail WOB:		Jts DP Racks	101	DC Conn:						
Jts DP in hole:		DP on Loc:	153	DP Conn:	2 7/8IF	VOLUMES	M ³			
DRILLING C	OPERATIO	NS TIME BF				Water added		Mud Daily Co	st	
RU / TO	11	Survey		Plug Back		Losses		Mud Cum Cos		
Drill Actual		Logging	2 1/2	Fishing		WELL CON	TROL	SOLIDS C	ONTROL	
Reaming		Run Casing		Work w/Pason		RSPP		Shaker Make		FSI
Coring		Cementing		Work Pipe		ST/Min		Shaker Mesh	230	x230 x 140
Rm Rathole		woc		Mix LCM		MACP(kPa)			Desilter	Centrifuge
Cond / Circ		NU BOP's		Safety meet		Calc Hole Fill		Vol UF (l/min)		
Tripping		Test BOPs		Weld on Bowl		Act Hole Fill		U.F. (kg/m3)		
Lubricate Rig		Drill Out Cmt		BOP Drill		Lst BOP Drill:		O.F. (kg/m3)		
Repair Rig		DST		Wait on Orders	10 1/2	Calc Hole Fill		Hours/Days		
Slip/Cut Line		Hndle Tools		Total Hrs	24	Act Hole Fill		Boiler Hrs:		(to 24:00)
24 HOUR S	UMMARY I	OR THE D	ATE :	October	14, 2005	(0000 hrs - 2	2400 hrs)			
From	То	Duration				Ev	vent			
0:00	2:30	2.50		ogging (Bake						
2:30	13:00	10.50		ders (Load						
13:00	19:00	6.00		nd Rig Out. Ri	ig release on	14Oct05 at 1	7:00			
19:00	0:00	5.00	Wait on Da	aylight						
			-							
			-							
24 HOUR F	orcast :									