



Baker Atlas

FILE NO:	COMPANY	NALCOR ENERGY
API NO:	WELL	NALCOR ET AL FINNEGAN #1
	FIELD	FINNEGAN
	PROVINCE	NEWFOUNDLAND AND LABRADOR
Ver. 3.87	LOCATION:	OTHER SERVICES XMAC-GR-3CAL HD1L-GR-CAL DZDL-CN-GR-XYCAL RCOR / VSP BHP / SBT
LICENSE: 2010-128-04	LAT 49.92 N LONG 63.33 W	ELEVATIONS: KB 125.00 M DF GL 118.75 M
PERMANENT DATUM LOG MEASURED FROM DRILL MEAS. FROM	G.L. ELEVATION 118.75 M K.B. 6.25 M ABOVE P.D. KELLY BUSHING	

DATE		27-NOV-2010			
RUN	TRIP	2	1		
SERVICE ORDER		CA209243			
DEPTH DRILLER		3130.0 M			
DEPTH LOGGER		NA			
BOTTOM LOGGED INTERVAL		3009.2 M			
TOP LOGGED INTERVAL		2275 M			
CASING DRILLER		244.5 MM		② 2276.0 M	
CASING LOGGER		2275.0 M			
BIT SIZE		216.0 MM			
TYPE OF FLUID IN HOLE		GELCHEM			
DENSITY	VISCOSITY	1245.0 G/L	82.0 S		
PH	FLUID LOSS	10.0	5.7 ML		
SOURCE OF SAMPLE		TOOL MEASURED			
RM AT MEAS. TEMP.		0.674 OHMM	② 47.4 DEGC	②	
RMF AT MEAS. TEMP.		0.583 OHMM	② 47.4 DEGC	②	
RMC AT MEAS. TEMP.		0.809 OHMM	② 47.4 DEGC	②	
SOURCE OF RMF		RMC	CALCULATED	CALCULATED	
RM AT BHT		0.601 OHMM	② 54.0 DEGC	②	
TIME SINCE CIRCULATION		8.7 HOURS			
MAX. RECORDED TEMP.		54.0 DEGC			
EQUIP. NO.	LOCATION	HL4291	OH NISKU		
RECORDED BY		S.CREWE\J. HOUSE			
WITNESSED BY		R.STRICKLAND\N. WATSON			

IN MAKING INTERPRETATIONS OF LOGS OUR EMPLOYEES WILL GIVE CUSTOMER THE BENEFIT OF THEIR BEST JUDGEMENT. BUT SINCE ALL INTERPRETATIONS ARE OPINIONS BASED ON INFERENCES FROM ELECTRICAL OR OTHER MEASUREMENTS, WE CANNOT, AND WE DO NOT GUARANTEE THE ACCURACY OR CORRECTNESS OF ANY INTERPRETATION. WE SHALL NOT BE LIABLE OR RESPONSIBLE FOR ANY LOSS, COST, DAMAGES, OR EXPENSES WHATSOEVER INCURRED OR SUSTAINED BY THE CUSTOMER RESULTING FROM ANY INTERPRETATION MADE BY ANY OF OUR EMPLOYEES.

BOREHOLE RECORD		
BIT SIZE	FROM	TO
444.5 MM	0.0 M	570.0 M
311.0 MM	570.0 M	2285.0 M
216.0 MM	2285.0 M	3130.0 M

CASING RECORD				
SIZE	WEIGHT	GRADE	FROM	TO
339.7 MM	81.1 KG/M	K-55	0.0 M	570.0 M
244.5 MM	64.7 KG/M	NA	570.0 M	2276.0 M
177.8 MM				

REMARKS

RUN 2 TRIP 1 : TIME STOPPED CIRCULATION: 27-NOV-2010 09:30 AM

DIRECTIONAL SURVEY OBTAINED FROM 4401

TD NOT LOGGED DUE TO DOWNHOLE CONDITIONS

SAMPLE MEASURED:

RM 0.955 @ 15.2 DEG

RMF 0.825 @ 15.2 DEG

RMC 1.146 @ 15.2 DEG

RIG: STONEHAM 11

CREW: S.CREWE, J.HOUSE, L.BAZIAN, J.HENNESSEY, C.DROVER, J.WOODS, J.JEWEL,

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	1	SWIVEL	3944XB	73682	FREE
2	1	DHPA	4430XB	10152148	FREE
2	1	TMA	3981XB	370721	FREE
2	1	COMM	3514XB	150740	FREE
2	1	WTS DGR/SLJ	1329XB	370830	FREE
2	1	ACOUSTIC EL	1677EA	10149056	CENTRALIZED
2	1	XMAC RX MDR	1678MB	10039363	CENTRALIZED
2	1	XMAC ISO	1678PB	10148319	FREE
2	1	XMAC TX ELC	1678BA	370862	CENTRALIZED
2	1	XMAC TX ELC	1678FA	10051497	CENTRALIZED
2	1	ORIT	4401XB	10119993	FREE
2	1	WTS DBL KNJ	3939XA	10238695	FREE
2	1	STAR II PS	1022PA	10569170	FREE
2	1	F/ GOM	1036EA	10103726	FREE
2	1	STAR MANDRE	4236MA	10103666	6-PAD DEVICE

INSTRUMENT CONFIGURATION

Source File: /dat1a/pass/nalcor_finn_run2/r2t1-tdg

CABLEHEAD

Diameter : 8.6 cm
 Length : 167.6 cm
 Weight : 10.9 kg
 Series : CABL338
 Mnemonic : CBLH

SWIVEL

Diameter : 8.6 cm
 Length : 101.6 cm
 Weight : 30.0 kg
 Series : 3944XB
 Mnemonic : SWVL

DOWNHOLE POWER ADAPTER

Diameter : 9.2 cm
 Length : 160.7 cm
 Weight : 39.1 kg
 Series : 4430XB
 Mnemonic : DHPA

TTRM SUB

Diameter : 9.2 cm
 Length : 116.8 cm
 Weight : 28.2 kg
 Series : 3981XA
 Mnemonic : TTRM
 Tensile Str. : 16818 kg

WTS COMMON REMOTE

Diameter : 9.2 cm
 Length : 194.0 cm
 Weight : 57.3 kg
 Series : 3514XB
 Mnemonic : WTS
 Tensile Str. : 35455 kg
 Compressive : 51818 kg

DIGITAL SPECTRALOG

Diameter : 9.2 cm
 Length : 222.8 cm
 Weight : 59.1 kg
 Series : 1329XA

34.74 m

CABLEHEAD TOP 33.90 m

 TEMP MP 29.69 m
 RM MP 29.62 m

Mnemonic : DSL
Tensile Str. : 35455 kg
Compressive : 38636 kg

GR MP — 25.59 m

ARRAY ACOUSTILOG ELECTRONICS, 8 CHANNEL

Diameter : 8.8 cm
Length : 238.3 cm
Weight : 46.4 kg
Series : 1677EA
Mnemonic : XMAC
Tensile Str. : 23636 kg
Compressive : 32727 kg

CROSS MULTIPOLE ARRAY ACOUSTILOG

Diameter : 9.8 cm
Length : 332.4 cm
Weight : 101.8 kg
Series : 1678MB
Mnemonic : XMAC
Tensile Str. : 13636 kg
Compressive : 13636 kg

R8 — 21.07 m
R7 — 20.92 m
R6 — 20.77 m
R5 — 20.62 m
R4 — 20.46 m
R3 — 20.31 m
R2 — 20.16 m
R1 — 20.01 m

SHEAR WAVE ACOUSTILOG

Diameter : 9.2 cm
Length : 152.4 cm
Weight : 61.4 kg
Series : 1678PB
Mnemonic : XMAC
Tensile Str. : 20455 kg
Compressive : 20455 kg

MULTI-POLE ARRAY ACOUSTIC

Diameter : 9.8 cm
Length : 241.3 cm
Weight : 77.3 kg
Series : 1678BA
Mnemonic : XMAC
Tensile Str. : 13636 kg
Compressive : 13636 kg

MONOPOLE T2 — 17.42 m
QUADRUPOLE T5 — 17.42 m

X-DIPOLE T3 — 16.88 m
Y-DIPOLE T4 — 16.88 m

MONOPOLE T1 — 16.35 m

MULTI-POLE ARRAY ACOUSTIC

Diameter : 8.8 cm
Length : 131.8 cm
Weight : 26.4 kg
Series : 1678FA
Mnemonic : MAC
Tensile Str. : 35455 kg

DIGITAL ORIENTATION

Diameter : 8.8 cm
Length : 329.4 cm
Weight : 50.0 kg
Series : 4401XB
Mnemonic : ORIT
Tensile Str. : 35455 kg

ORIENT MP — 10.85 m

KNUCKLE JOINT (DOUBLE)

Diameter : 8.8 cm
Length : 141.8 cm
Weight : 40.9 kg
Series : 3939XA
Mnemonic : KNIT

Tensile Str. : 14545 kg
Compressive : Borehole Size Dependent

C6PC IMAGER POWER SUPPLY

Diameter : 9.2 cm
Length : 276.9 cm
Weight : 52.7 kg
Series : 1022PA
Mnemonic : C6PC
Tensile Str. : 35455 kg
Compressive : 25455 kg

C6PC IMAGER ELECTRONICS

Diameter : 9.2 cm
Length : 276.9 cm
Weight : 42.7 kg
Series : 1036EA
Mnemonic : C6PC
Tensile Str. : 35455 kg
Compressive : Borehole Size Dependent

C6PC IMAGER MANDREL

Diameter : 13.3 cm
Length : 381.0 cm
Weight : 126.4 kg
Series : 4236MA
Mnemonic : C6PC

BULL PLUG 3 3/8

TOTAL LENGTH: 34.74 m
TOTAL WEIGHT: 859.5 kg
MAX DIAMETER: 13.3 cm



PAD MP 1.09 m

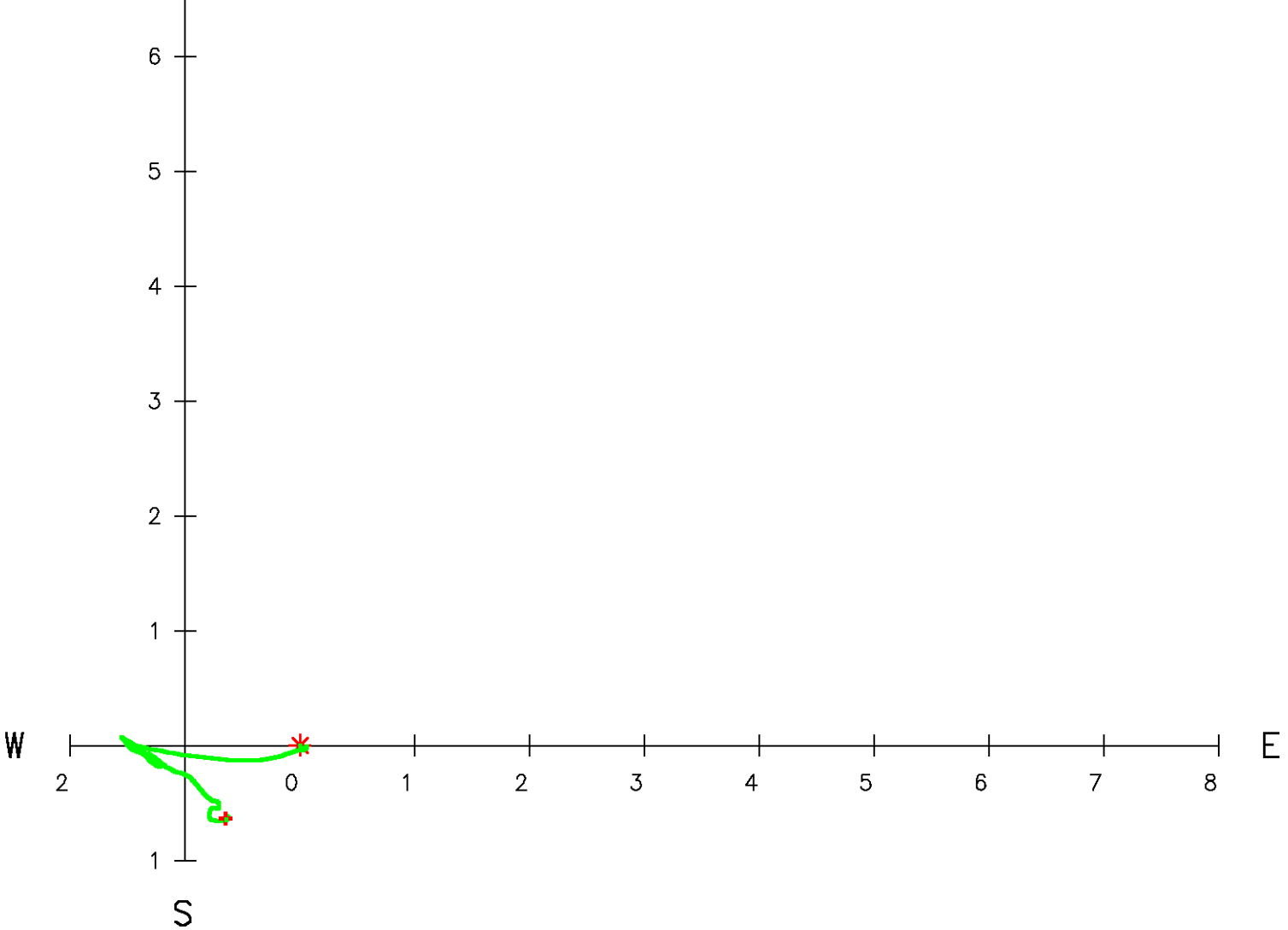
0.00 m

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


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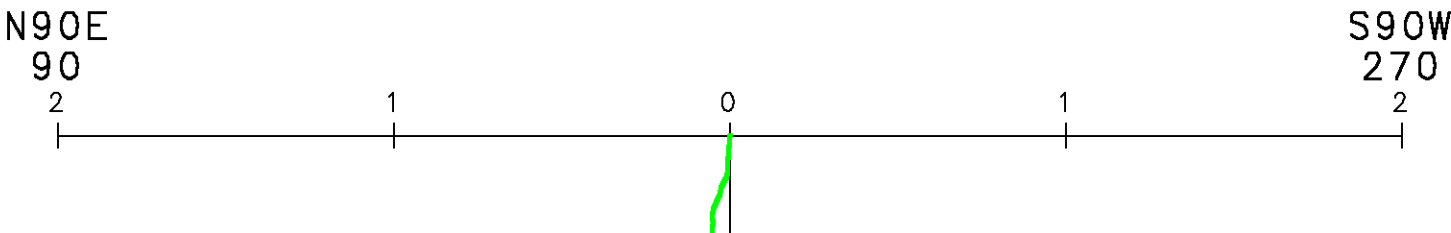
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PLAN VIEW

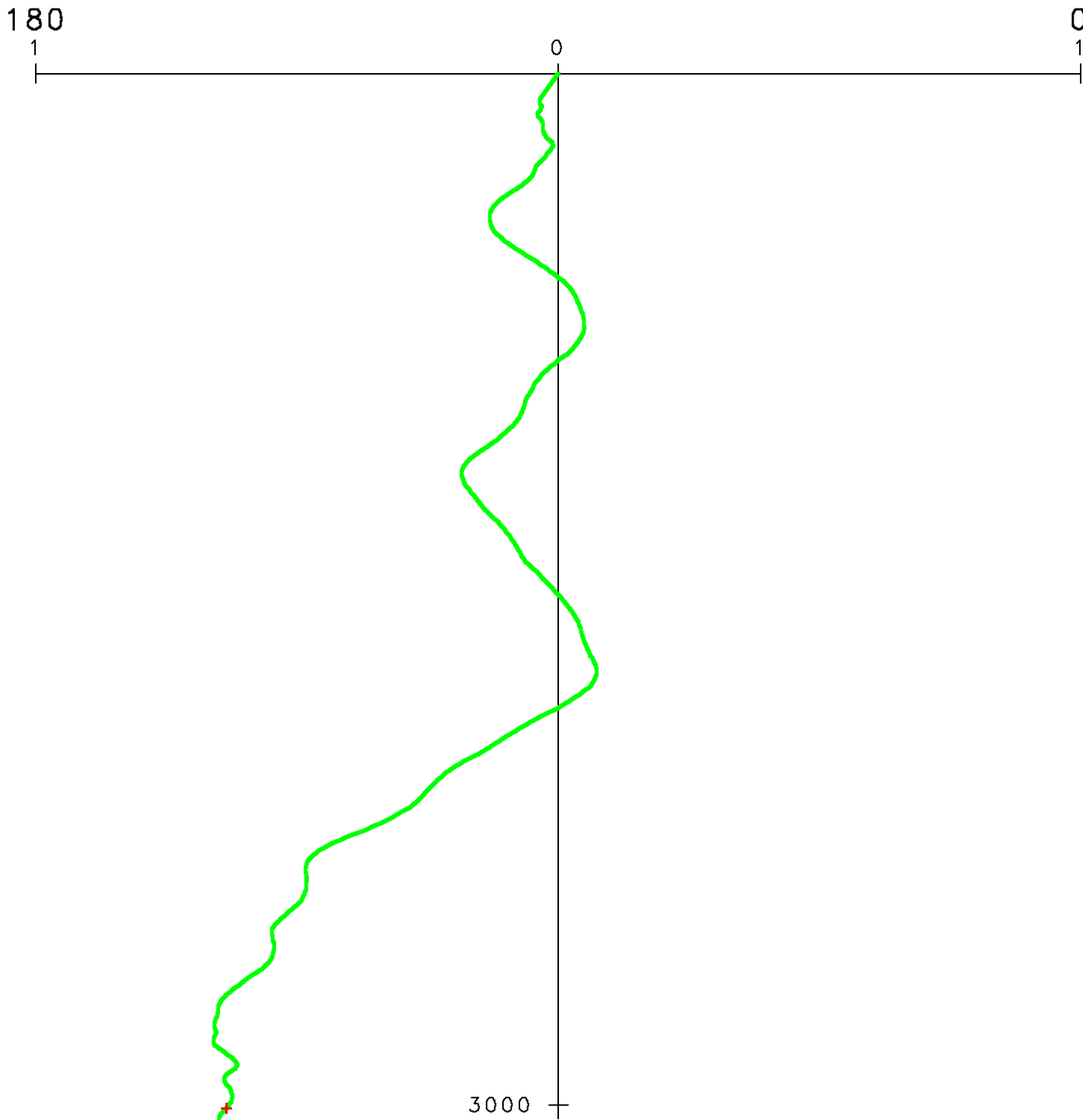
 : WELLBORE COURSE	FINAL EAST-WEST DRIFT	0.65 M	WEST
 : MEASURED DEPTH TIE-IN	FINAL NORTH-SOUTH DRIFT	0.65 M	SOUTH
 : WELLHEAD POSITION	FINAL DRIFT DISTANCE	0.92 M	
	FINAL DRIFT DIRECTION	S 44.80 W	
	DRIFT UNITS	METERS	
	DEPTH UNITS	METERS	



3000 +

SIDE VIEW FROM AZIMUTH 0

	: WELLBORE COURSE	MAX. DRIFT N90 E	0.06 M
	: MEASURED DEPTH TIE-IN	MAX. DRIFT S90 W	1.56 M
	: WELLHEAD POSITION	BOTTOM TVD THIS INTERVAL	3009.98 M
		DRIFT UNITS	METERS
		DEPTH UNITS	METERS






SIDE VIEW FROM AZIMUTH 90

~	: WELLBORE COURSE	MAX. DRIFT S0E	0.66 M
+	: MEASURED DEPTH TIE-IN	MAX. DRIFT N0E	0.07 M
*	: WELLHEAD POSITION	BOTTOM TVD THIS INTERVAL	3009.98 M
		DRIFT UNITS	METERS
		DEPTH UNITS	METERS



DEPTH VS. DRIFT

 : WELLBORE COURSE	MAX. DRIFT FROM WELLHEAD	1.56 M
 : MEASURED DEPTH TIE-IN	BOTTOM TVD THIS INTERVAL	3009.98 M
 : WELLHEAD POSITION	DRIFT UNITS	METERS
	DEPTH UNITS	METERS

NALCOR ENERGY INC.
NALCOR ET AL FINNEGAN #1

DEPTH	DEVIATION		T.V.D.	DRIFT COORDINATES			
	ANGLE	AZIMUTH		STATION		TOTAL	
				N-S	E-W	N-S	E-W
2217.42	0.0	0.0	2217.42	0.00N	0.00E	0.00N	0.00E
2267.42	0.1	344.7	2267.42	0.02S	0.05E	0.02S	0.05E
2317.42	0.9	260.9	2317.42	0.10S	0.35W	0.12S	0.30W
2367.42	0.8	284.7	2367.41	0.11N	1.09W	0.02S	1.39W
2417.42	0.1	158.8	2417.40	0.06N	0.14W	0.04N	1.53W
2467.42	0.3	97.9	2467.40	0.11S	0.15E	0.06S	1.38W
2517.42	0.1	229.7	2517.40	0.12S	0.16E	0.18S	1.22W
2567.42	0.1	319.7	2567.40	0.09N	0.12W	0.09S	1.34W
2617.42	0.2	301.5	2617.40	0.11N	0.12W	0.01N	1.46W
2667.42	0.0	315.2	2667.40	0.06N	0.10W	0.07N	1.56W
2717.42	0.4	119.3	2717.40	0.17S	0.24E	0.09S	1.32W
2767.42	0.3	115.6	2767.40	0.18S	0.34E	0.27S	0.97W
2817.42	0.1	112.7	2817.40	0.21S	0.21E	0.48S	0.76W
2867.42	0.2	273.9	2867.40	0.07S	0.04E	0.55S	0.72W
2917.42	0.2	124.9	2917.40	0.09S	0.06W	0.64S	0.78W
2967.42	0.1	253.4	2967.40	0.03N	0.14E	0.61S	0.64W
3007.42	0.1	235.8	3007.40	0.04S	0.00W	0.65S	0.65W



THE FIRST POINT INFORMATION:

2217.42 0.0 0.0 2217.42 0.00N 0.00E 0.00N 0.00E

THE LAST POINT INFORMATION:

3007.42 0.1 235.8 3007.40 0.04S 0.00W 0.65S 0.65W

FINAL EAST-WEST DRIFT = 0.65 W
FINAL NORTH-SOUTH DRIFT = 0.65 S
FINAL DRIFT DISTANCE = 0.92 M
FINAL DRIFT DIRECTION = S 44.80 W

 Baker Atlas 	COMPANY <u>NALCOR ENERGY</u>		FILE NO: _____
	WELL <u>NALCOR ET AL FINNEGAN #1</u>		API NO: _____
	FIELD <u>FINNEGAN</u>		
	PROVINCE <u>NEWFOUNDLAND AND LABRADOR</u>		
	LOCATION:	ELEVATIONS:	
		KB 125.00 M	
		DF	LICENSE:
		GL 118.75 M	2010-128-04
	LAT <u>49.92 N</u> LONG <u>63.33 W</u>	DATE <u>27-NOV-2010</u>	