

Baker Atlas

FILE NO:	COMPANY			PARAMOUNT RESOURCES LTD.
	WELL			PARAMOUNT ET AL LARD K-29A
API NO:	FIELD			FORT LARD
	PROVINCE			NORTHWEST TERRITORIES
Var: 3.87	LOCATION:			OTHER SERVICES
LWI:	LIC#: 1125			ZDL-CN-GR
300K296030123303	RIG: AK17A 58			HDIL-GR
	GRID: 60-30-123-30			HDIP/CBIL
				DSL
PERMANENT DATUM	G.L.	ELEVATION	ELEVATIONS:	
LOG MEASURED FROM	K.B.	6.8 M	ABOVE P.D.	KB 416.4 M
DRILL MEAS. FROM	KELLY BUSHING			DF
				GL 409.6 M
DATE	16-OCT-2005	TVD		
RUN	TRIP	2	1	1
SERVICE ORDER	203169			
DEPTH DRILLER	3620 M 2682.5 M			
DEPTH LOGGER	3618.2 M 2681.7 M			
BOTTOM LOGGED INTERVAL	3600.6 M 2678.2 M			
TOP LOGGED INTERVAL	2480 M 2403.0 M			
CASING DRILLER	177.8 MM 2567 M 2464.7 M			
CASING LOGGER	2568 M 177.8 MM 2465.7 M			
BIT SIZE	156 MM			
TYPE OF FLUID IN HOLE	GELCHEM			
DENSITY	VISCOSITY	1070 G/G3	38 S	
PH	FLUID LOSS	10.5	9.1 C3	
SOURCE OF SAMPLE	FLOWLINE			
RM AT MEAS. TEMP.	1.89 OHMM 20.5 DEGC			
RMF AT MEAS. TEMP.	1.84 OHMM 20.5 DEGC			
RMC AT MEAS. TEMP.	2.15 OHMM 20.5 DEGC			
SOURCE OF RMF	RMC	MEAS	MEAS	
RM AT BIT	0.47 OHMM 145.4 DEGC			
TIME SINCE CIRCULATION	29.25			
MAX. RECORDED TEMP.	145.4 DEGC			
EQUIP. NO.	LOCATION	EG544 G. PRAIRIE		
RECORDED BY	D. BUSKER / T. FISHER			
WITNESSED BY	K. ROBERTSON			

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.

REMARKS

RUN 2 TRIP 1 : LOG RECORDED VIA PIPE CONVEYED WITH THE NAUTILUS HITEMP HDIL/XMAC/DEN/CN/DSL IN A HIGH RESOLUTION MODE ON A DOWNLOG AND AN UPLUG. THE DOWNLOG WAS RECORDED AS A GRANDSLAM WITH AN XMAX IN THE MONOPOLE/DIPOLE SETTING AND THE UPLUG AS A GRANDSLAM AND XMAC IN A X-DIPOLE MODE. NO CALIPER COULD BE RUN WITH THE NAUTILUS DENSITY DUE TO HIGH ANGLE. SPIKES ON GR ARE CREATED NOW & THEN DUE TO MAKING A PIPE CONNECTION.

LOST COMMUNICATION WITH TOOL STRING AT 2850 M WHILE COMING UP WITH MAIN PASS DUE TO LINE GETTING KINKED. AFTER CORRECTING PROBLEM, MADE ANOTHER RUN IN THE HOLE TO LOG SECTION MISSED. BOTH LOGS WERE SPLICED TOGETHER FOR FINAL PRESENTATION. USED DOWN LOG AS REPEAT PASS. PRESENTED DELTA T ON A 100-300 USEC/M SCALE

CIRCULATION STOPPED @ 1430 13-OCT-05.
MAX DEVIATION = 84.8 DEGS.
LOG WAS TIED INTO RUN 1 DATED 21-SEP-05.

RUN 2 TRIP 1 :

EQUIPMENT DATA

RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	1	SWVL	3844XC	094415	FREE
2	1	PWRSUB	4430XB	389992	FREE
2	1	TTRM	3981XA	10080042	FREE
2	1	COMR	3514XA	10051809	FREE
2	1	GR	1328XA	172708	DECENT
2	1	CN	2447XA	10040879	DECENT
2	1	DEN	2233EA	10077790	DECENT
2	1	DEN	2233MA	10129053	DECENT
2	1	XMAC	1687EA	119772	CENT
2	1	XMAC	1678MA	188383	CENT
2	1	XMAC	1678PB	10141932	CENT
2	1	XMAC	1668BA	154071	CENT
2	1	HDIL	1515EA	10064999	38MM S.O.
2	1	HDIL	1515MA	10064999	38MM S.O.

INSTRUMENT CONFIGURATION

Source File: /data/pass/paramount_lard/xmac-tdg

PIPE CONVEYANCE
Series : CABLPCL
Mnemonic : PCL
Diameter : 5.00"
Weight : 45.5 kg
Length : 231.8 cm

DOWNHOLE POWER ADAPTER
Series : 4430XB
Mnemonic : DHPA
Diameter : 3.62"
Weight : 38.4 kg
Length : 180.5 cm

SWIVEL
Series : 3944XD
Mnemonic : SWVL
Diameter : 3.50"
Weight : 29.5 kg
Length : 106.7 cm

HP TTRM SUB
Series : 3981XA
Mnemonic : TTRM
Diameter : 3.63"
Weight : 38.4 kg
Length : 118.8 cm
Measure Point: 42.2 cm: TEMP MP
Measure Point: 34.5 cm: RM MP

HT/HP WTS COMMON REMOTE
Series : 3514XA
Mnemonic : WTS
Diameter : 4.17"
Weight : 128.8 kg
Length : 276.9 cm

HT/HP DIGITAL SPECTRALOG
Series : 1329XA
Mnemonic : DSL
Diameter : 4.17"
Weight : 128.8 kg
Length : 281.9 cm

TEMP MP : 42.00 m
RM MP : 41.92 m

47.73 m

Measure Point: 79.2 cm: GR MP

GR MP — 36.78 m

NAUTILUS COMPENSATED NEUTRON

Series : 2447XA
Mnemonic : CN
Diameter : 4.17"
Weight : 118.9 kg
Length : 285.2 cm
Source Type : N/A
Strength : N/A
Measure Point: 80.3 cm: LSN MP
Measure Point: 88.1 cm: SSN MP

LSN MP — 33.94 m
SSN MP — 33.82 m

TOOL TURNER

Series : N/A
Mnemonic : N/A
Diameter : 3.63"
Weight : 11.4 kg
Length : 83.5 cm

NAUTILUS SLICK DENSITY ELECTRONICS

Series : 2233EA
Mnemonic : HTD
Diameter : 4.16"
Weight : 97.7 kg
Length : 281.7 cm

NAUTILUS SLICK DENSITY MANDREL

Series : 2233MA
Mnemonic : HTD
Diameter : 4.16"
Weight : 97.7 kg
Length : 287.0 cm
Source Type : N/A
Strength : N/A
Measure Point: 109.5 cm: LSD MP
Measure Point: 96.5 cm: SSD MP

LSD MP — 28.11 m
SSD MP — 27.98 m

HT/HP DIGITAL ORIENTATION

Series : 4401XB
Mnemonic : ORIT
Diameter : 3.88"
Weight : 140.9 kg
Length : 388.6 cm
Measure Point: 8.6 cm: ORIENT MP

ORIENT MP — 23.19 m

HT/HP ARRAY ACOUSTIC LOG ELECTRONICS

Series : 1867EA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 118.4 kg
Length : 297.2 cm

HT/HP CROSS MULTI-POLE ARRAY ACOUSTIC LOG

Series : 1878MA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 180.2 kg
Length : 431.8 cm
Measure Point: 187.6 cm: R8
Measure Point: 152.4 cm: R7
Measure Point: 137.2 cm: R6
Measure Point: 121.9 cm: R5
Measure Point: 106.7 cm: R4
Measure Point: 91.4 cm: R3
Measure Point: 76.2 cm: R2
Measure Point: 61.0 cm: R1

R8 — 17.51 m
R7 — 17.38 m
R6 — 17.21 m
R5 — 17.06 m
R4 — 16.91 m
R3 — 16.75 m
R2 — 16.60 m
R1 — 16.45 m

SHEAR WAVE ACOUSTIC LOG

Series : 1878PB
Mnemonic : XMAC
Diameter : 3.83"
Weight : 81.4 kg
Length : 152.4 cm

HP/HT MULTI-POLE ARRAY ACOUSTIC

Series : 1868BA
Mnemonic : MAC
Diameter : 3.62"
Weight : 79.5 kg
Length : 210.8 cm
Measure Point: 185.1 cm: MONOPOLE T2 MP
Measure Point: 142.2 cm: DIPOLE T4 MP
Measure Point: 111.8 cm: DIPOLE T3 MP
Measure Point: 88.9 cm: MONOPOLE T1 MP

MONOPOLE T2 MP — 13.86 m
DIPOLE T4 MP — 13.63 m
DIPOLE T3 MP — 13.32 m
MONOPOLE T1 MP — 13.10 m

HI/HP MULTI-POLE ARRAY ACOUSTIC
Series : 1868FA
Mnemonic : MAC
Diameter : 3.88"
Weight : 70.5 kg
Length : 190.5 cm

HP/HT HIGH DEFINITION INDUCTION TOOL
Series : 1515XA
Mnemonic : HDIL
Diameter : 4.17"
Weight : 200.5 kg
Length : 1030.2 cm
Measure Point: 557.3 cm: RXCB MP
Measure Point: 310.9 cm: XMTR MP

BULL PLUG 3 1/8
TOTAL LENGTH: 47.80 m
TOTAL WEIGHT: 1585.0 kg
MAX DIAMETER: 0'5.00"

RXCB MP 5.57 m

XMTR MP 3.11 m

0.00 m

TRUE VERTICAL DEPTH
MAIN PASS
UP LOG

eXpress Unknown eXpress 3.1 last updated 28Sep2005 17:22 Sep 28, 2005 Cplot 8.1 Fri Oct 21 02:16:28 2005
Updates: 1 Percpl /main/61 Pdf_Cpp /main/16 Fileview 4.34

CURVE DESCRIPTION REPORT

CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Oct 21 02:15:28 2005	CABLE HEAD TENSION
F1:DT24QI	DTC. I	Oct 21 02:15:30 2005	INTERVAL TRANSIT TIME OVER 24 INCH INTERVAL
F1:GR	GR	Oct 21 02:15:30 2005	GAMMA RAY
F1:MMRK	MMRK	Oct 21 02:15:32 2005	MINUTE MARK
F1:TEN	TEN	Oct 21 02:15:35 2005	DIFFERENTIAL TENSION
F1:TT	TT	Oct 21 02:15:35 2005	INTEGRATED TRAVEL TIME FROM ACOUSTIC DELTA-T

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	DT24QI	14.48	GR	36.77	TEN	0.00

Project : /data/ddc/203169
User : jlanwel
Presentation : calsunsv2:/data/ddc/203169/t_mac_main_up.pdf [1:240 Scale]
Plot Interval : 2378.74 - 2681.78 Meters
Data File 1 : F1 : calsunsv2:/data/ddc/203169/allcav.tif
Created On : Oct 21 02:15:28 2005
Company : PARAMOUNT RESOURCES LTD
Well : PARAMOUNT ET AL LIARD K-29A
Field : FORT LIARD
File Interval : 2378.74 - 2681.78 Meters
Oct : I87ba

GR BACKUP

TOOL STICKING

GAMMA RAY [gr]

(gAPI)

DIFF. TENSION [ten]

1900 100

(kgf)

CH-TENSION [cht]

5300 300

(kgf)

MINUTE MARK

1

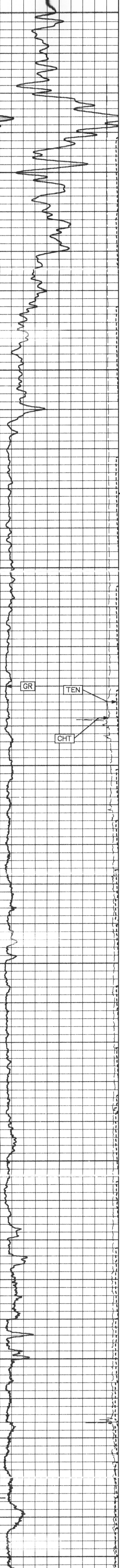
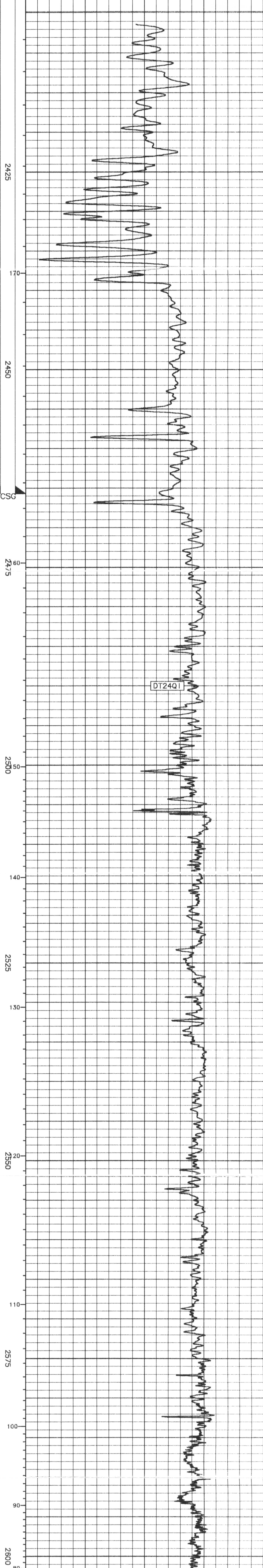
METERS

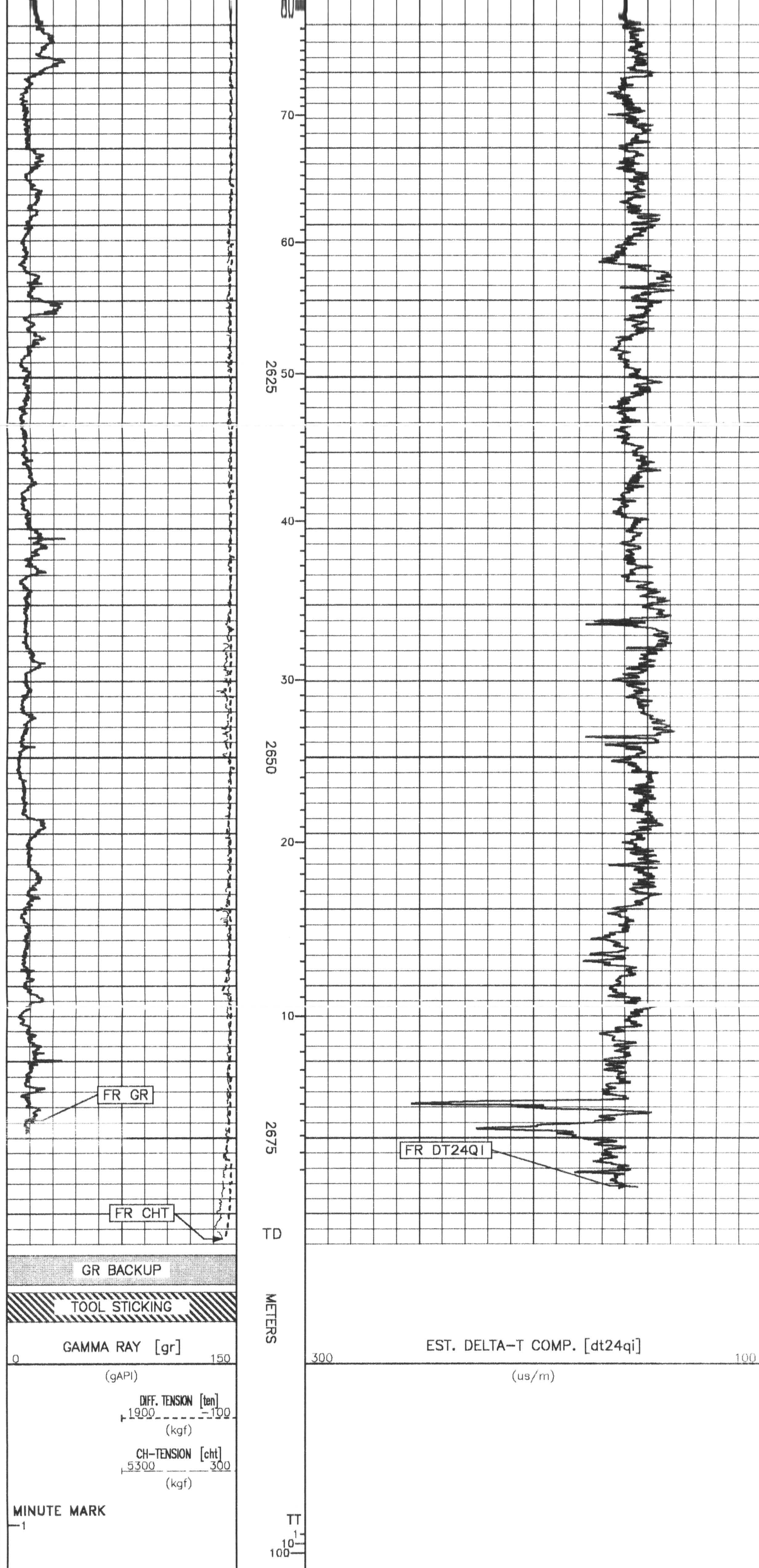
TT
1
10
100

2400

EST. DELTA-T COMP. [dt24qi]

(us/m)





Source File: //data/pass/paramount_11ard/t_tvd.TXT

Measured Depth Meters	Angle Deg	Incl Direction Deg	Drift Depth	TRUE Vertical
1854	4.5	69.48	1847.33	
1864.37	6.9	45.6	1857.65	
1874.77	9.3	37.3	1867.95	
1881.5	11.7	26	1874.56	
1890.96	14.1	31	1883.78	
1900.35	15.7	33.6	1892.86	
1909.85	17.4	32.3	1901.96	
1919.42	19.5	30.2	1911.04	
1928.93	21.8	27	1919.94	
1938.53	23.9	22.8	1928.79	
1948.15	26.4	21.7	1937.49	
1957.62	28.7	21.2	1945.89	
1967.14	29.9	20.5	1954.19	
1976.74	30.5	20.1	1962.49	
1986.09	29.4	17.8	1970.59	
1995.43	28.2	14.6	1978.78	
2004.94	27.9	13.2	1987.17	
2014.44	27.7	13	1995.57	
2023.94	27	12	2004.01	
2033.56	26.6	11.3	2012.6	
2042.92	27.3	10.1	2020.94	
2052.35	28	9.4	2029.29	
2061.84	28.3	10.2	2037.66	
2071.51	28.4	12.3	2046.17	
2081.06	29.2	14	2054.54	
2090.59	29	15.6	2062.87	
2099.43	28.4	17.8	2070.62	
2109.43	28.3	17.3	2079.42	
2119.14	28.5	17.6	2087.96	
2128.8	28.6	17.5	2096.45	
2138.25	28.4	16.6	2104.75	
2147.92	28	14.6	2113.28	
2157.55	27.5	13.6	2121.8	
2167.1	26.6	12.1	2130.3	
2176.71	26.6	11	2138.9	
2186.18	26.2	10.4	2147.38	
2195.83	25.4	9.8	2156.07	
2205.31	25.1	14	2164.64	
2214.96	26.1	16.6	2173.34	
2224.47	26.6	19.3	2181.87	
2233.7	27.7	20.2	2190.08	
2243.31	29.5	21.8	2198.52	
2252.79	31.4	19.7	2206.69	
2262.33	32.4	18	2214.79	
2271.82	32.9	17	2222.78	
2281.47	33.8	15.4	2230.84	
2290.81	34.6	14.3	2238.57	
2300.2	32.4	13.3	2246.39	
2309.78	31	9	2254.55	
2319.35	29.9	7.5	2262.8	
2328.9	28.6	7.2	2271.13	
2338.32	27.4	3.4	2279.45	
2346.73	27.2	359.5	2288.92	
2356.12	27.8	355.2	2295.25	
2365.7	28.8	352.2	2303.69	
2375.27	28.3	347.9	2312.09	
2384.82	28.3	345.1	2320.5	
2394.24	28.6	343.6	2328.78	
2403.83	28.9	342.7	2337.19	
2413.35	28.2	341.1	2345.55	
2422.89	27.9	340.6	2353.97	
2432.5	28.3	341.8	2362.45	
2442.02	29.3	341.8	2370.79	
2451.41	30.4	340.7	2378.94	
2461.05	31.5	338.8	2387.21	
2470.5	33.3	336.5	2395.18	
2480.26	35.6	336.2	2403.23	
2489.72	37.7	336.4	2410.82	
2499.08	38.9	334	2418.17	
2508.5	40.1	333.2	2425.44	
2517.9	41.8	333.1	2432.53	
2527.39	43.9	333.4	2439.49	
2536.72	46.4	332.4	2446.07	
2546.31	48.1	331.3	2452.55	
2556	48.9	331.3	2455.03	
2569.72	53.3	328	2467.41	
2579.26	57.6	328.9	2472.82	
2589.03	61.2	325.1	2477.79	
2598.57	62.2	326.1	2482.31	
2608.11	63	324.2	2486.7	
2617.74	68	322.3	2490.85	
2627.05	69	321.6	2494.41	
2636.8	70.2	320.4	2497.81	
2646.03	73.1	318.5	2500.72	
2655.53	77.4	318.5	2503.13	
2665.12	78.4	318.8	2505.14	
2674.73	77.8	316.9	2507.13	
2684.19	77.2	312.8	2509.17	
2693.39	77.5	309.2	2511.19	
2702.74	77.6	306.9	2513.21	
2712.23	78.9	304.1	2515.3	
2721.71	75.8	301.5	2517.54	

2731.18	74.1	300.7	2519.99
2740.78	73.9	300.2	2522.64
2750.12	75	300	2525.15
2759.62	75.2	300.2	2527.59
2769.03	74.1	300.7	2530.08
2778.55	73.9	300.6	2532.71
2788.15	73.7	300.8	2535.38
2797.77	73.3	300.7	2538.12
2807.33	73	301.2	2540.89
2817.02	72.5	301.1	2543.76
2826.57	71.7	301.7	2546.7
2836.08	72.2	301.7	2549.64
2845.75	73.4	302.1	2552.5
2855.27	73.3	302.7	2555.23
2864.61	72.9	302.2	2557.94
2874.14	72.5	302.6	2560.78
2883.64	72.5	302.3	2563.64
2893.26	73.4	303	2566.46
2902.71	73.3	303.4	2569.16
2912.19	72.6	303.3	2571.94
2921.66	73	305.1	2574.74
2931.04	75.2	306.4	2577.31
2940.48	77.7	306.5	2579.53
2950.04	79.8	309.5	2581.39
2959.55	81.5	308.5	2582.94
2969.14	81.4	308.7	2584.36
2978.67	80.7	308.7	2585.84
2988.02	79.5	308.7	2587.45
2997.57	80.3	309.4	2589.13
3007.14	81.4	309.8	2590.65
3016.72	81	310.2	2592.11
3026.12	81.9	309.6	2593.51
3035.68	81.8	311.6	2594.87
3045.21	83.4	311.4	2596.09
3054.77	83	312.3	2597.23
3064.69	82.6	310.1	2598.47
3074	83.1	310.6	2599.63
3083.8	83.4	310.4	2600.78
3093.59	83.6	310.3	2601.89
3103.37	84.1	309	2602.94
3113.19	84.3	308.7	2603.93
3122.95	84.4	308.2	2604.89
3132.68	84.6	308.4	2605.82
3142.45	84.8	307.8	2606.72
3152.01	84.6	307.7	2607.61
3161.56	83.9	308.3	2608.56
3171.17	82.4	308.3	2609.71
3180.86	82	308.2	2611.03
3190.19	81.8	307.5	2612.34
3199.74	81.9	307.5	2613.69
3208.99	82.6	307.4	2614.94
3218.1	83	307.2	2616.08
3227.82	83.2	306.9	2617.25
3237.36	82.4	306.7	2618.45
3247.13	82.7	307	2619.71
3256.67	83	306.6	2620.9
3266.21	81.2	306.3	2622.21
3275.84	81	306.2	2623.7
3285.37	81.3	304.5	2625.17
3295.12	81.5	305.7	2626.63
3304.35	81.1	307.4	2628.02
3313.85	81.3	306.7	2629.48
3323.44	81	308.2	2630.95
3333.05	81	308.2	2632.45
3342.51	81.5	308	2633.89
3351.71	81.1	308.4	2635.29
3361.06	81.5	308.4	2636.7
3370.55	81	307.6	2638.14
3380.03	80.2	308.4	2639.69
3389.98	80.6	307.8	2641.35
3398.84	80.7	307.7	2642.79
3408.44	81	307.1	2644.32
3417.94	81	306.7	2645.8
3427.35	81	307.4	2647.28
3436.87	80.3	307.7	2648.82
3451.35	80.4	306.3	2651.25
3460.95	80.7	308	2652.83
3470.57	80.7	308.5	2654.38
3480.13	80.6	308.1	2655.93
3489.82	81	308.1	2657.48
3499.37	79.5	309.2	2659.1
3508.88	79.4	309	2660.84
3518.55	79.2	309.2	2662.64
3528.07	78.9	309	2664.44
3537.41	78.8	308.7	2666.25
3546.94	79	308.4	2668.09

	COMPANY WELL FIELD PROVINCE		PARAMOUNT RESOURCES LTD. PARAMOUNT ET AL LIARD K-29A FORT LIARD NORTHWEST TERRITORIES		FILE NO:
	LOCATION: LIC#: 1125 RIG: AKITA 58 GRID: 60-30-123-30		ELEVATIONS: KB 416.4 M DF GL 409.6 M DATE		API NO: UWI: 300K296030123303

16-OCT-2005