

**BAKER
HUGHES**

NEBURY

TRUE VERTICAL DEPTH HIGH DEFINITION INDUCTION LOGSM GAMMA RAY LOG

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.

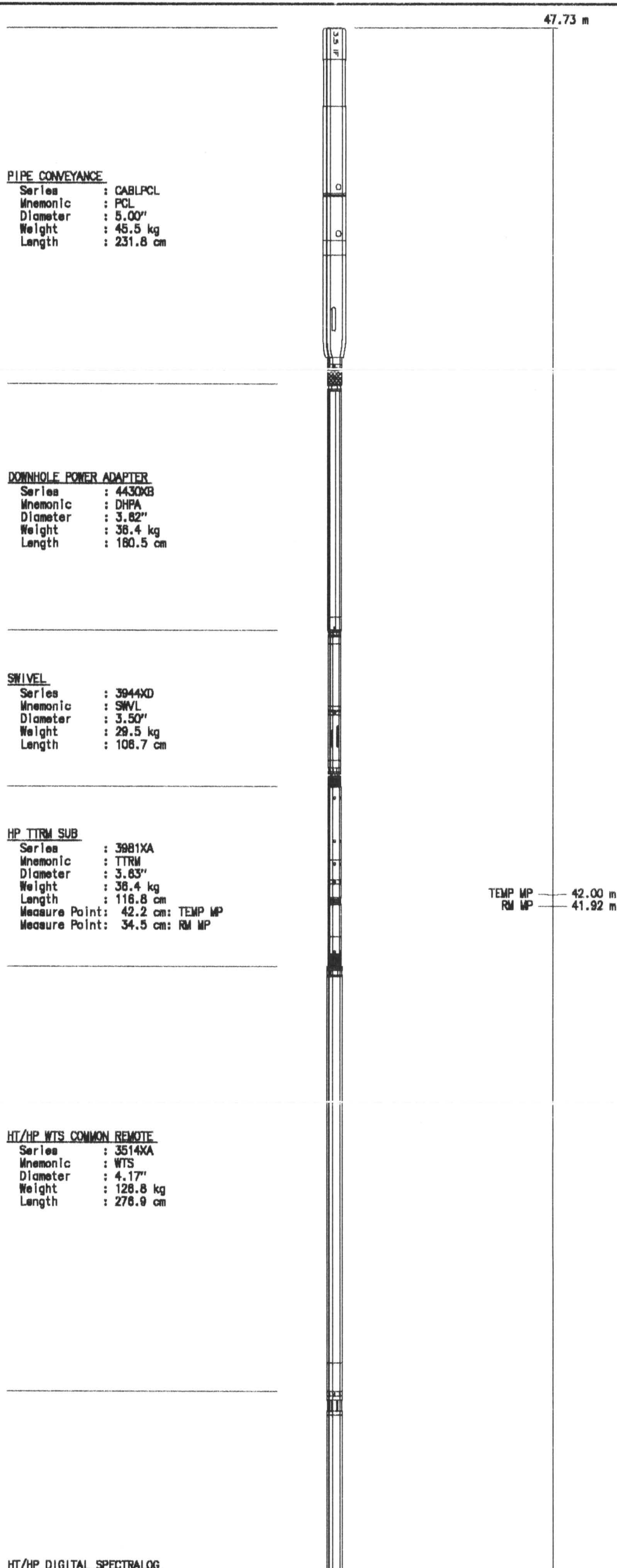
RUN 2 TRIP 1 : LOG RECORDED VIA PIPE CONVEYED WITH THE NAUTILUS HITEMP HDIL/XMAC/DEN/CN/DSL IN A HIGH RESOLUTION MODE ON A DOWNLOG AND AN UPLUG. THE DOWNLOG WAS RECORDED AS A GRANDSLAM WITH AN XMAX IN THE MONOPOLE/DIPOLE SETTING AND THE UPLUG AS A GRANDSLAM AND XMAC IN A X-DIPOLE MODE.
NO CALIPER COULD 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.
REMOVED 10 INCH CURVE TO IMPROVE LOG QUALITY

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

EQUIPMENT DATA					
RUN	TRIP	TOOL	SERIES NO.	SERIAL NO.	POSITION
2	1	SWVL	3944XC	094415	FREE
2	1	PWRSUB	4430XB	369992	FREE
2	1	TIRM	3981XA	10080042	FREE
2	1	COMR	3514XA	10051809	FREE
2	1	GR	1328XA	172708	DECENT
2	1	CN	2447XA	10040679	DECENT
2	1	DEFN	2233FA	10077736	DECENT
2	1	DEN	2233MA	10129053	DECENT
2	1	XMAC	1667FA	119772	CENT
2	1	XMAC	1678WA	188383	CENT
2	1	XMAC	1678PB	10141932	CENT
2	1	XMAC	1668BA	154071	CENT
2	1	HDIL	1515FA	10064999	38MM S.O.
2	1	HDIL	1515WA	10064999	38MM S.O.

Source File: /dat1a/pass/paramount liard/t hdl-tda



HT/HP DIGITAL SPECTRALOG

Series : 1329XA
Mnemonic : DSL
Diameter : 4.17"
Weight : 126.8 kg
Length : 281.9 cm
Measure Point: 79.2 cm: GR MP

GR MP — 38.78 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 : 63.5 cm

NAUTILUS SLICK DENSITY ELECTRONICS

Series : 2233EA
Mnemonic : HTD
Diameter : 4.18"
Weight : 97.7 kg
Length : 281.7 cm

NAUTILUS SLICK DENSITY MANDREL

Series : 2233MA
Mnemonic : HTD
Diameter : 4.18"
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 ACOUSTILOG ELECTRONICS

Series : 1887EA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 116.4 kg
Length : 297.2 cm

HT/HP CROSS MULTIPOLE ARRAY ACOUSTILOG

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 — 17.36 m
R6 — 17.21 m
R5 — 17.08 m
R4 — 16.91 m
R3 — 16.75 m
R2 — 16.60 m
R1 — 16.45 m

SHEAR WAVE ACOUSTILOG

Series : 1878PB
Mnemonic : XMAC
Diameter : 3.63"
Weight : 61.4 kg
Length : 152.4 cm

MONOPOLE T2 MP — 13.86 m

DIPOLE T4 MP — 13.63 m

DIPOLE T3 MP — 13.32 m

MONOPOLE T1 MP — 13.10 m

HP/HT MULTI-POLE ARRAY ACOUSTIC

Series : 1888BA
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

HT/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: RXC6 MP
Measure Point: 310.9 cm: XMTR MP

RXC6 MP 5.57 m

XMTR MP 3.11 m

BULL PLUG 3 1/8

TOTAL LENGTH: 47.80 m
TOTAL WEIGHT: 1565.0 kg
MAX DIAMETER: 0"5.00"

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 02:16:47 2005
Updates: 1 Pcrplt /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:DEPTH	MATCH_2_RES_DATA	Oct 21 02:15:29 2005	SYSTEM DEPTH
F1:GR	GR	Oct 21 02:15:30 2005	GAMMA RAY
F1:M2R2	M2R2	Oct 21 02:15:31 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH
F1:M2R3	M2R3	Oct 21 02:15:31 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH
F1:M2R6	M2R6	Oct 21 02:15:31 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH
F1:M2R9	M2R9	Oct 21 02:15:31 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH
F1:M2RX	M2RX	Oct 21 02:15:32 2005	VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH
F1:MMRK	MMRK	Oct 21 02:15:32 2005	MINUTE MARK
F1:TEN	TEN	Oct 21 02:15:35 2005	DIFFERENTIAL TENSION
F1:WTBH		Oct 21 02:15:35 2005	TEMPERATURE OF THE BOREHOLE

CURVE MEASURE POINT OFFSET

CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	M2R2	3.28	M2R6	3.28	M2RX	3.28
GR	38.77	M2R3	3.28	M2R9	3.28	TEN	0.00

Project : /data/ddc/203169
User : jlanwel
Presentation : calsunsv2:/data/ddc/203169/t_hdl_main_up.pdf [1:240 Scale]
Plot Interval : 2378.74 - 2681.78 Meters

Data File 1 : F1 : calsunsv2:/data/ddc/203169/allcov.xtf
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 : 187ba

GR BACKUP

TOOL STICKING

GAMMA RAY [gr]

(gAPI)

DIFF. TENSION [ten]

1900 100

(kgf)

CH-TENSION [cht]

5300 300

(kgf)

MINUTE MARK

METERS

2FT. Matched Resolution Resistivity

20 in. DOI [m2r2]

(ohm.m)

30 in. DOI [m2r3]

(ohm.m)

60 in. DOI [m2r6]

(ohm.m)

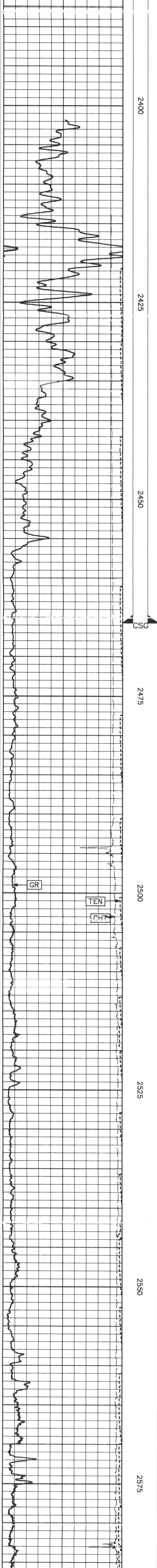
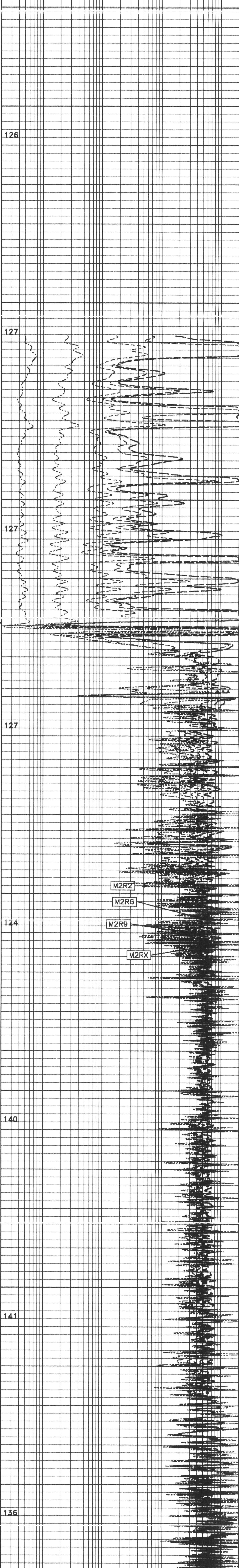
90 in. DOI [m2r9]

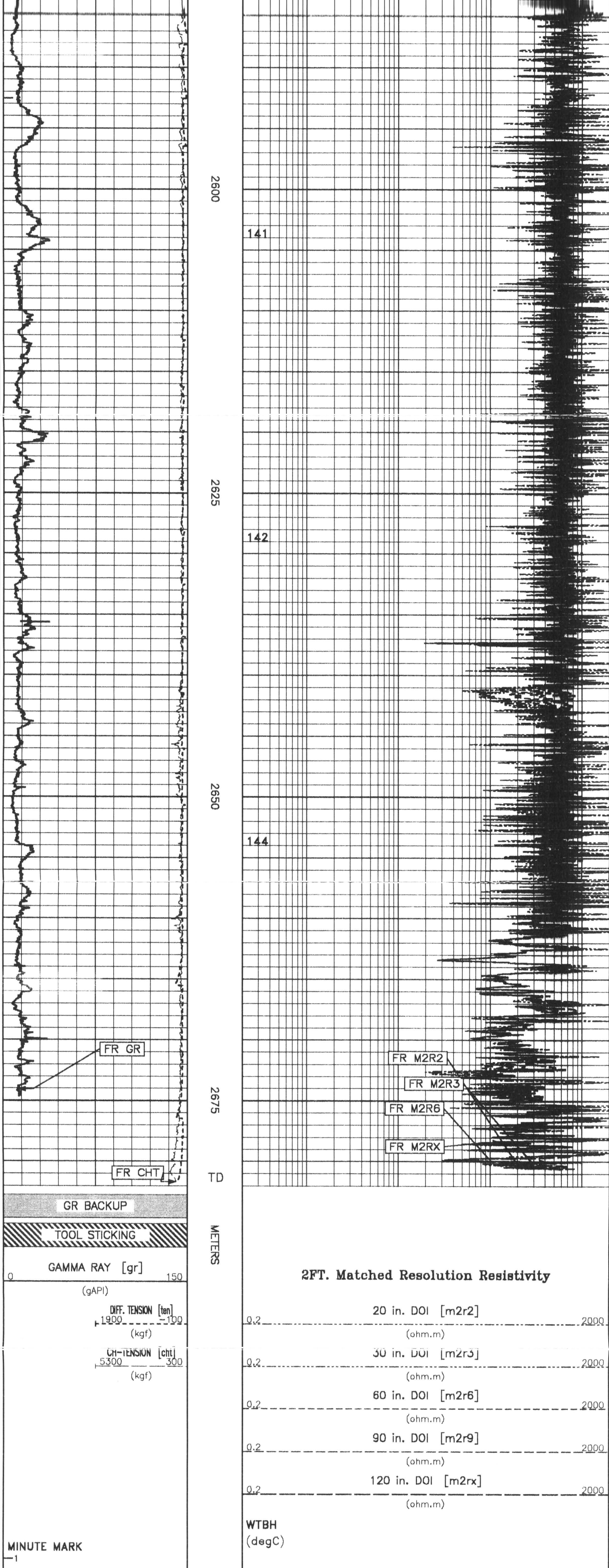
(ohm.m)

120 in. DOI [m2rx]

(ohm.m)

WTBH
(degC)





Source File: /data/pass/paramount_11ard/t_1vd.TXT

Measured Depth Meters	Angle Deg	Incl Direction Deg	Drift Depth	TRUE Vertical
1854	4.5	69.48	1847.33	
1864.37	6.9	45.8	1857.85	
1874.77	9.3	37.3	1867.95	
1881.5	11.7	26	1874.58	
1890.96	14.1	31	1883.78	
1900.35	15.7	33.8	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	26.8	11.3	2012.8	
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	2206.89	
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	
2348.73	27.2	359.5	2286.92	
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	32.9	336.5	2395.48	

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
2538.72	46.4	332.4	2446.07
2546.31	48.1	331.3	2452.58
2550	48.9	331.3	2455.03
2569.72	53.3	328	2467.41
2579.26	57.6	326.9	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	66	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	308.9	2513.21
2712.23	76.9	304.1	2515.3
2721.71	75.8	301.5	2517.54
2731.16	74.1	300.7	2519.99
2740.76	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	306.5	2582.94
2969.14	81.4	308.7	2584.36
2978.87	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
3142.46	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
3180.88	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	305.2	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	308.7	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	308.3	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 <u>PARAMOUNT RESOURCES LTD.</u>		FILE NO:
	WELL <u>PARAMOUNT ET AL LIARD K-29A</u>		
Baker Atlas 	FIELD <u>FORT LIARD</u>		API NO:
	PROVINCE <u>NORTHWEST TERRITORIES</u>		
LOCATION:		ELEVATIONS:	UWI:
LIC#: 1125		KB 416.4 M	300K296030123303
RIG: AKITA 58		DF	
GRID: 60-30-123-30		GL 409.6 M	
		DATE	16-OCT-2005