

BAKER HUGHES		NEB COPY	
Baker Atlas		TRUE VERTICAL DEPTH COMPENSATED Z-DENSLOGSM COMPENSATED NEUTRON LOG GAMMA RAY LOG	
FILE NO:	COMPANY	PARAMOUNT RESOURCES LTD.	
API NO:	WELL	PARAMOUNT ET AL LIARD K-29A	
	FIELD	FORT LIARD	
	PROVINCE	NORTHWEST TERRITORIES	
Ver. 3.87	LOCATION:	OTHER SERVICES	
LM#: 300K296030123303	LIC#: 1125	XMAC-GR	
	RIG: AKITA 58	HDIL-GR	
	GRID: 80-30-123-30	HD IP/CBIL	
		DSL	
PERMANENT DATUM	G.L. _____	ELEVATION	409.6 M
LOG MEASURED FROM	K.B. _____	6.8 M	ABOVE P.D.
DRILL MEAS. FROM	KELLY BUSHING	KB	416.4 M
		DF	
		GL	409.6 M
DATE	16-OCT-2005	TVD	1
RUN	TRIP	2	1
SERVICE ORDER	203169	203169	
DEPTH DRILLER	3620 M	2682.5 M	
DEPTH LOGGER	3618.2 M	2681.7 M	
BOTTOM LOGGED INTERVAL	3590.5 M	2676.3 M	
TOP LOGGED INTERVAL	2480 M	2403.0 M	
CASING DRILLER	177.8 MM	2567 M	
CASING LOGGER	2568 M	177.8 MM	2464.7 M
BIT SIZE	156 MM		
TYPE OF FLUID IN HOLE	GELCHEM		
DENSITY	1070 G/CM3	38 S	
PH	10.5	9.1 C3	
FLUID LOSS			
SOURCE OF SAMPLE	FLOWLINE		
RM AT MEAS. TEMP.	1.89 OHMM	20.5 DEGC	
RMF AT MEAS. TEMP.	1.84 OHMM	20.5 DEGC	
RMF AT MEAS. TEMP.	2.15 OHMM	20.5 DEGC	
SOURCE OF RMF	RMC	MEAS	
RM AT BHT	0.47 OHMM	145.4 DEGC	
TIME SINCE CIRCULATION	29.25		
MAX. RECORDED TEMP.	145.4 DEGC		
EQUIP. NO.	EB544	G. PRAIRIE	
RECORDED BY	D. BISKER / 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.
NO PE IS AVAILABLE WITH THE NAUTILUS DENSITY.
SPIKES ON GR,CN, & DEN 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.
CNC & PORD PRESENTED ON A LIMESTONE & DOLOMITE MATRIX FROM TD TO CASING.
HIRES RECORDED FROM 3590-3550, 3350-3270,3110-3090, AND 2900-1850 M

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	3944XC	094415	FREE
2	1	PWRSUB	4430XB	369992	FREE
2	1	UJRM	3981XA	10080042	FREE
2	1	COMR	3514XA	10051809	FREE
2	1	GR	1329XA	172708	DECENT
2	1	CN	2447XA	10040679	DECENT
2	1	DEN	2233FA	10077790	DECENT
2	1	DEN	2233MA	10129053	DECENT
2	1	XMAC	1667FA	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: /dat1a/pass/paramount_liard/t_xdl-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 : 116.8 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 : 126.8 kg
Length : 278.9 cm

TEMP MP 42.00 m
RM MP 41.92 m

47.73 m

HT/HP DIGITAL SPECTRALOG

Series : 1329XA
Mnemonic : DSL
Diameter : 4.17"
Weight : 128.8 kg
Length : 281.9 cm
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 : 4.18"
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 : 388.8 cm
Measure Point: 8.8 cm: ORIENT MP

ORIENT MP — 23.19 m

HT/HP ARRAY ACOUSTIC LOG ELECTRONICS

Series : 1887EA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 118.4 kg
Length : 297.2 cm

HT/HP CROSS MULTIPOLE ARRAY ACOUSTIC LOG

Series : 1878MA
Mnemonic : XMAC
Diameter : 3.88"
Weight : 180.2 kg
Length : 431.8 cm
Measure Point: 187.8 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 — 17.06 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

MONOPOLE T2 MP — 13.86 m

HP/HT MULTI-POLE ARRAY ACOUSTIC
Series : 1868BA
Mnemonic : MAC
Diameter : 3.62"
Weight : 79.5 kg
Length : 210.6 cm
Measure Point: 185.1 cm: MONOPOLE T2 MP
Measure Point: 142.2 cm: DIPOLE T4 MP
Measure Point: 111.6 cm: DIPOLE T3 MP
Measure Point: 88.9 cm: MONOPOLE T1 MP

DIPOLE T4 MP 13.83 m
DIPOLE T3 MP 13.32 m
MONOPOLE T1 MP 13.10 m

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 : 1515KA
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

RXCB MP 5.57 m

XMTR MP 3.11 m

BULL PLUG 3 1/8

0.00 m

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

TVD - LIMESTONE MATRIX

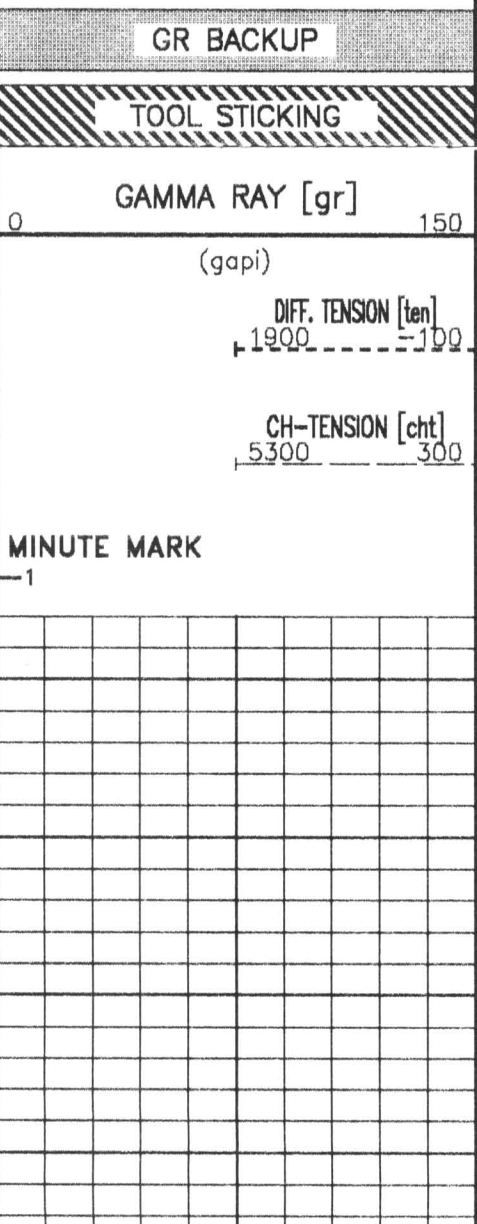
eXpress Unknown eXpress 3.1 last updated 28Sep2005 17:22 Sep 28, 2005 Cplot 8.1
Updates: 1 Pcrplt /main/61 Pdf_Cpp /main/16 Fileview 4.34
Fri Oct 21 04:59:51 2005

CURVE DESCRIPTION REPORT			
CURVE NAME	CURVE ALIAS	CREATION DATE	CURVE DESCRIPTION
F1:CHT	CHT	Oct 21 02:15:28 2005	CABLE HEAD TENSION
F1:CNCLS	CNCSS	Oct 21 02:15:29 2005	BH SIZE CORR. LIMESTONE COMPENSATED NEUTRON POROSITY
F1:CORR	ZCOR	Oct 21 02:15:29 2005	DENSITY CORRECTION
F1:GR	GR	Oct 21 02:15:30 2005	GAMMA RAY
F1:MMRK	MMRK	Oct 21 02:15:32 2005	MINUTE MARK
F1:PODLS	PORZSS	Oct 21 02:15:33 2005	POROSITY FOR LIMESTONE MATRIX
F1:TEN	TEN	Oct 21 02:15:35 2005	DIFFERENTIAL TENSION

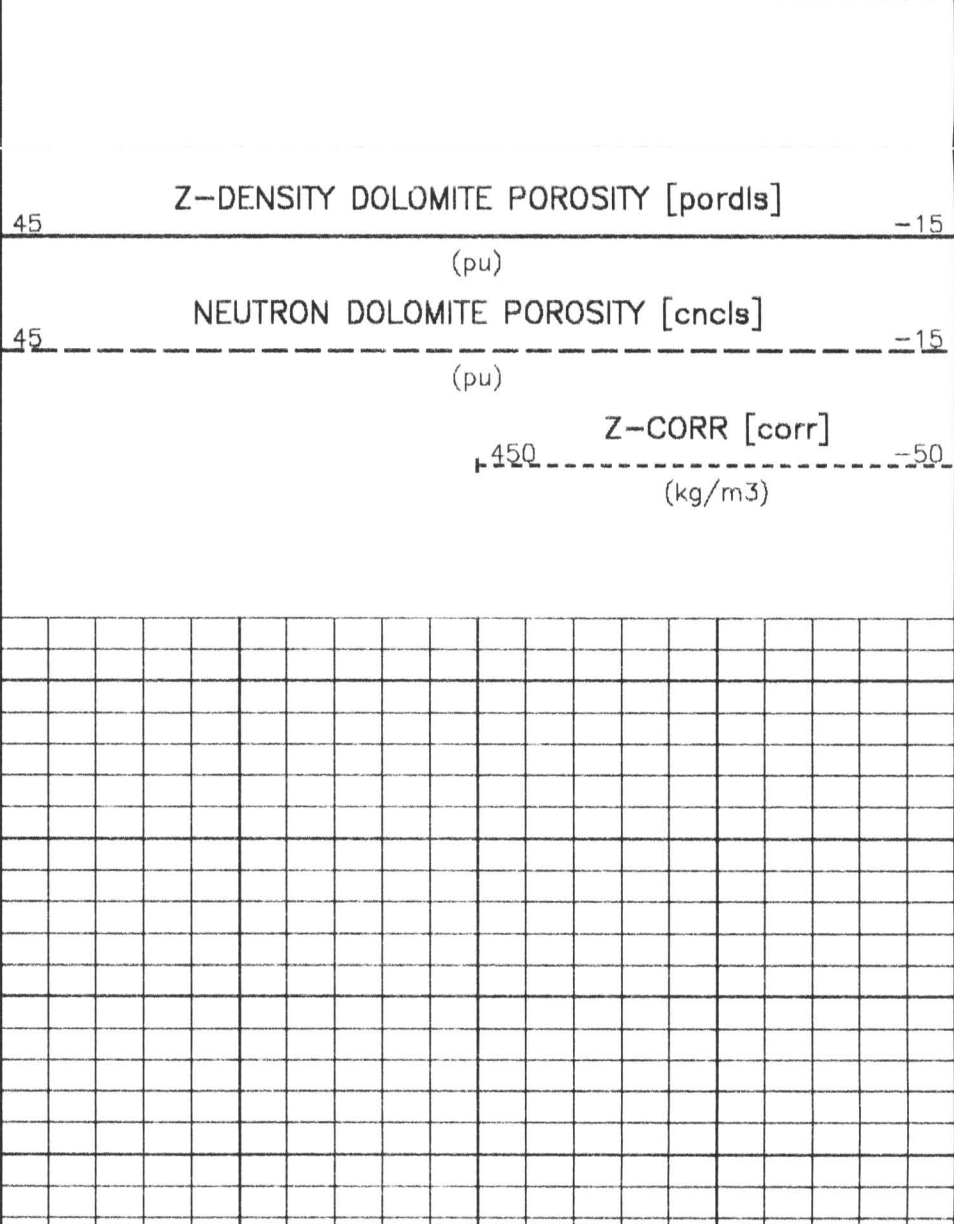
CURVE MEASURE POINT OFFSET							
CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)	CURVE	OFFSET (m)
CHT	0.00	CORR	28.08	PODLS	0.00		
CNCLS	33.83	GR	36.77	TEN	0.00		

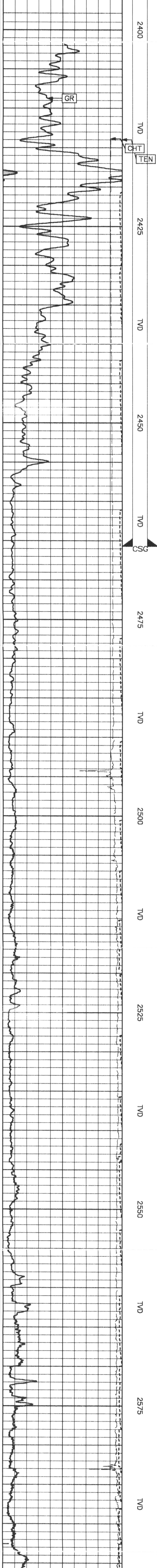
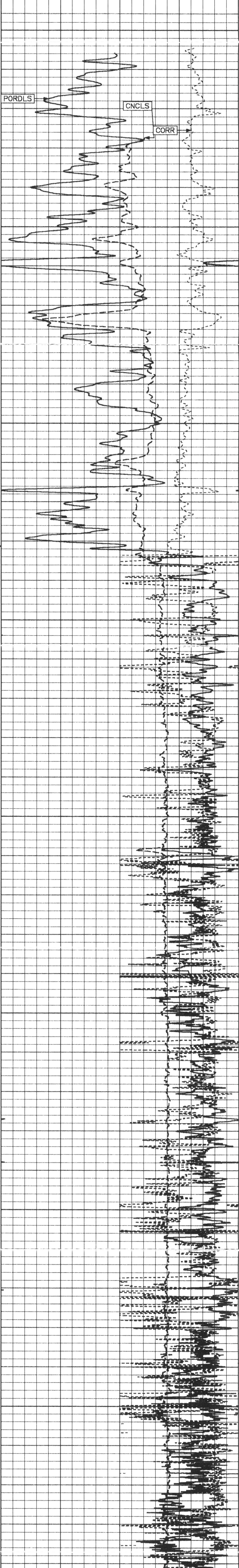
Project : /data/ddc/203169
User : jlanwel
Presentation : calsunsv2:/data/ddc/203169/zdL.tvd_ls_up.pdf [1:240 Scale]
Plot Interval : 2378.74 - 2681.78 Meters

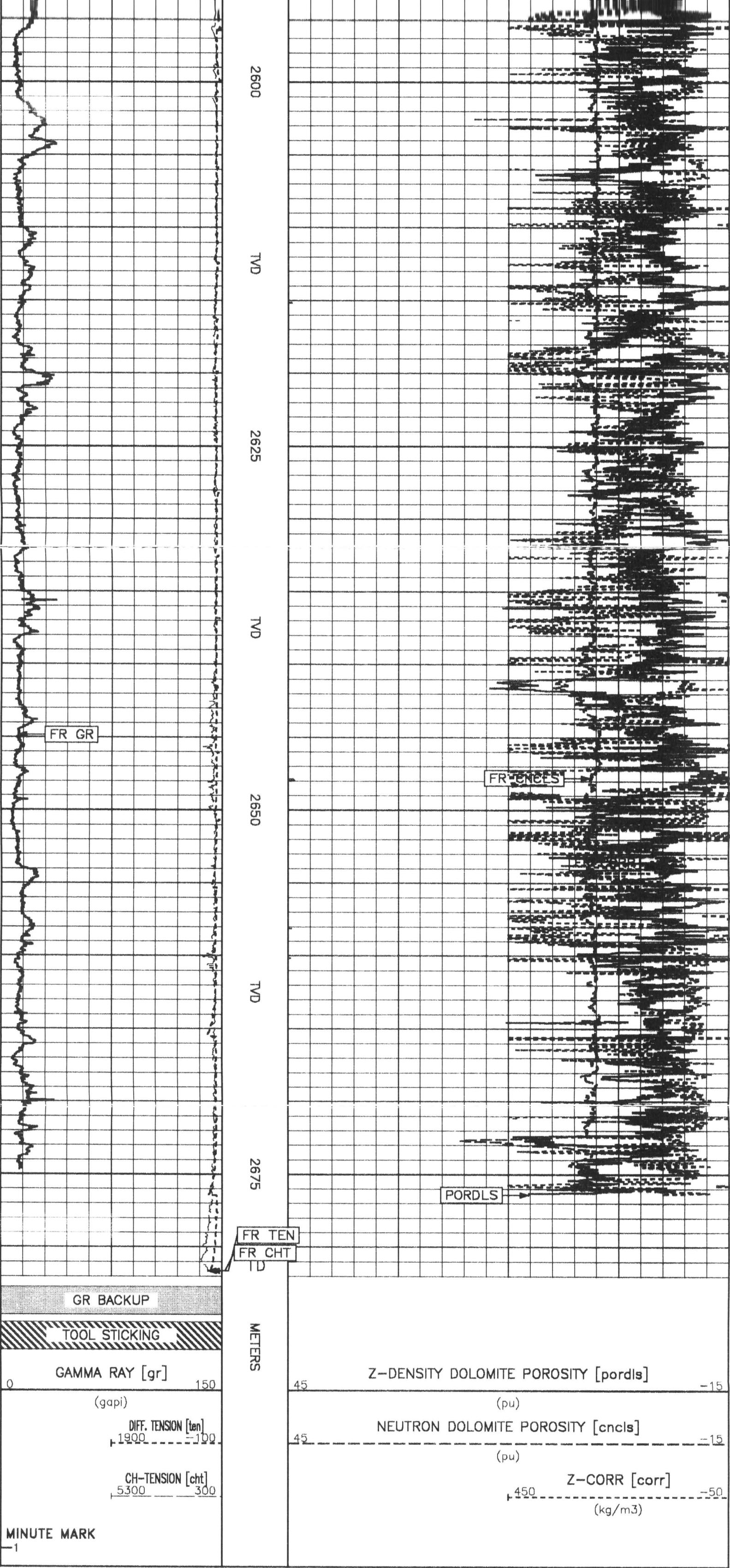
Data File 1 : F1 : calsunsv2:/data/ddc/203169/allcov.xtf
Created On : Oct 21 02:15:28 2005
Company : PARAMOUNT RESOURCES LTD
Well : PARAMOUNT ET AL LIARD K-29A
Field : FORT LIARD
File Interval : 2378.74 - 2681.78 Meters
Oct : 187ba



METERS







DIRECTIONAL SURVEY

Source File: /data/pass/paramount_11ard/L_hvd.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	15.8	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	16.8	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	16.8	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	2286.92	
2356.12	27.8	355.2	2295.25	
2365.7	28.6	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	41.6	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	2452.58	
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	2490.65
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	318.6	2505.14
2674.73	77.8	318.9	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
2731.16	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	2560.79
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
3180.88	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	308.9	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	308.7	2645.8
3427.35	81	307.4	2647.28
3436.87	80.3	307.7	2648.62
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

 Baker Atlas	COMPANY <u>PARAMOUNT RESOURCES LTD.</u>	FILE NO: _____	
	WELL <u>PARAMOUNT ET AL LIARD K-29A</u>	API NO: _____	
FIELD <u>FORT LIARD</u>			
PROVINCE <u>NORTHWEST TERRITORIES</u>			
LOCATION:	ELEVATIONS:	UWI:	
LIC#: 1125 RIG: AKITA 58	KB 416.4 M DF GL 409.6 M	300K290030123303	
GRID: 80-30-123-30	DATE 18-OCT-2005		