

|                        |                            |                                                                                                |            |
|------------------------|----------------------------|------------------------------------------------------------------------------------------------|------------|
| <b>BAKER HUGHES</b>    |                            | <b>TRUE VERTICAL DEPTH<br/>HIGH DEFINITION INDUCTION LOG<br/>GAMMA RAY LOG<br/>CALIPER LOG</b> |            |
| <b>Baker Atlas</b>     |                            |                                                                                                |            |
| FILE NO:               | COMPANY                    | PARAMOUNT RESOURCES LTD.                                                                       |            |
| WELL                   | PARAMOUNT ET AL LARD K-29A |                                                                                                |            |
| API NO:                | FIELD                      | LARD                                                                                           |            |
|                        | PROVINCE                   | NORTH WEST TERRITORIES                                                                         |            |
| Ver. 3.87              | LOCATION:                  | OTHER SERVICES                                                                                 |            |
| UWI:                   |                            | XMAC-GR-CAL                                                                                    |            |
| 300K296030123303       |                            | ZDL-CN-GR-CAL                                                                                  |            |
|                        |                            | EI-CBL-GR                                                                                      |            |
|                        |                            | HDIL-GR-CAL                                                                                    |            |
|                        |                            | C/L                                                                                            |            |
| 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                   | 21-Sep-2005                | TVD                                                                                            | 1          |
| RUN                    | TRIP                       | 1                                                                                              | 1          |
| SERVICE ORDER          | 203168                     | 203168                                                                                         |            |
| DEPTH DRILLER          | 2566.0 M                   | 2465.17 M                                                                                      |            |
| DEPTH LOGGER           | 2568.0 M                   | 2468.5 M                                                                                       |            |
| BOTTOM LOGGED INTERVAL | 2563.3 M                   | 2461.8 M                                                                                       |            |
| TOP LOGGED INTERVAL    | 1853.0 M                   | 1845.0 M                                                                                       |            |
| CASING DRILLER         | 244.5 MM                   | 244.5 MM                                                                                       | 9          |
| CASING LOGGER          | 1853-60 M                  |                                                                                                |            |
| BIT SIZE               | 216.0 MM                   | 216.0 MM                                                                                       |            |
| TYPE OF FLUID IN HOLE  | INVERT                     |                                                                                                |            |
| DENSITY                | 1245.0 G/L                 | 65.0 S                                                                                         |            |
| PH                     | N/A                        | N/A                                                                                            |            |
| SOURCE OF SAMPLE       | FLOWLINE                   |                                                                                                |            |
| RM AT MEAS. TEMP.      | N/A                        | 9 N/A                                                                                          |            |
| RM AT MEAS. TEMP.      | N/A                        | 9 N/A                                                                                          |            |
| RM AT MEAS. TEMP.      | N/A                        | 9 N/A                                                                                          |            |
| SOURCE OF RMF          | RMC                        | MEASURED                                                                                       |            |
| RM AT BHT              | N/A                        | 9 N/A                                                                                          |            |
| TIME SINCE CIRCULATION | 6.25 HRS                   |                                                                                                |            |
| MAX. RECORDED TEMP.    | 113.9 DEGC                 |                                                                                                |            |
| EQUIP. NO.             | HL 8558                    | G. PRAIRIE                                                                                     |            |
| RECORDED BY            | TIM FISHER                 |                                                                                                |            |
| WITNESSED BY           | KEN GLOVER                 |                                                                                                |            |

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 1 TRIP 1: TIME STOPPED CIRCULATING: 19:00, 22-SEP-2005  
MAXIMUM DEVIATION: 52.4 DEGREES AT 2566.0 M

BOREHOLE AND TEMPERATURE CORRECTIONS HAVE BEEN APPLIED TO HDIL DATA.  
HDIL RECORDED WITH AND CORRECTED TO 1.5 INCH (38MM) STANDOFF.  
CALIPER PRESENTED WITH HDIL TO ASSIST WITH THE QC OF THE DATA.

CUT WINDOW IN CASING FROM 1853.0 - 1859.0 M  
TIED INTO SCHLUMBERGER INDUCTION LOG RECORDED 14-MAR-1999 AT A DEPTH OF 1800-1850 M  
DID REPEAT BELOW CASING SHOE TO HELP KEEP TOOLS FROM GETTING TO HOT  
REMOVED 10 IN INDUCTION CURVE BECAUSE SOMEWHAT ERRATIC  
SHUT CALIPER AT 1874.6 M TO GET THROUGH TIGHT SPOT  
STOPPING TOOLS TO SHUT CALIPER CREATED A HOT SPOT ON THE GAMMA RAY LOG AT 1900 M

CREW: N. MCDERMID, L. KAUPP  
RIG: AKITA 58

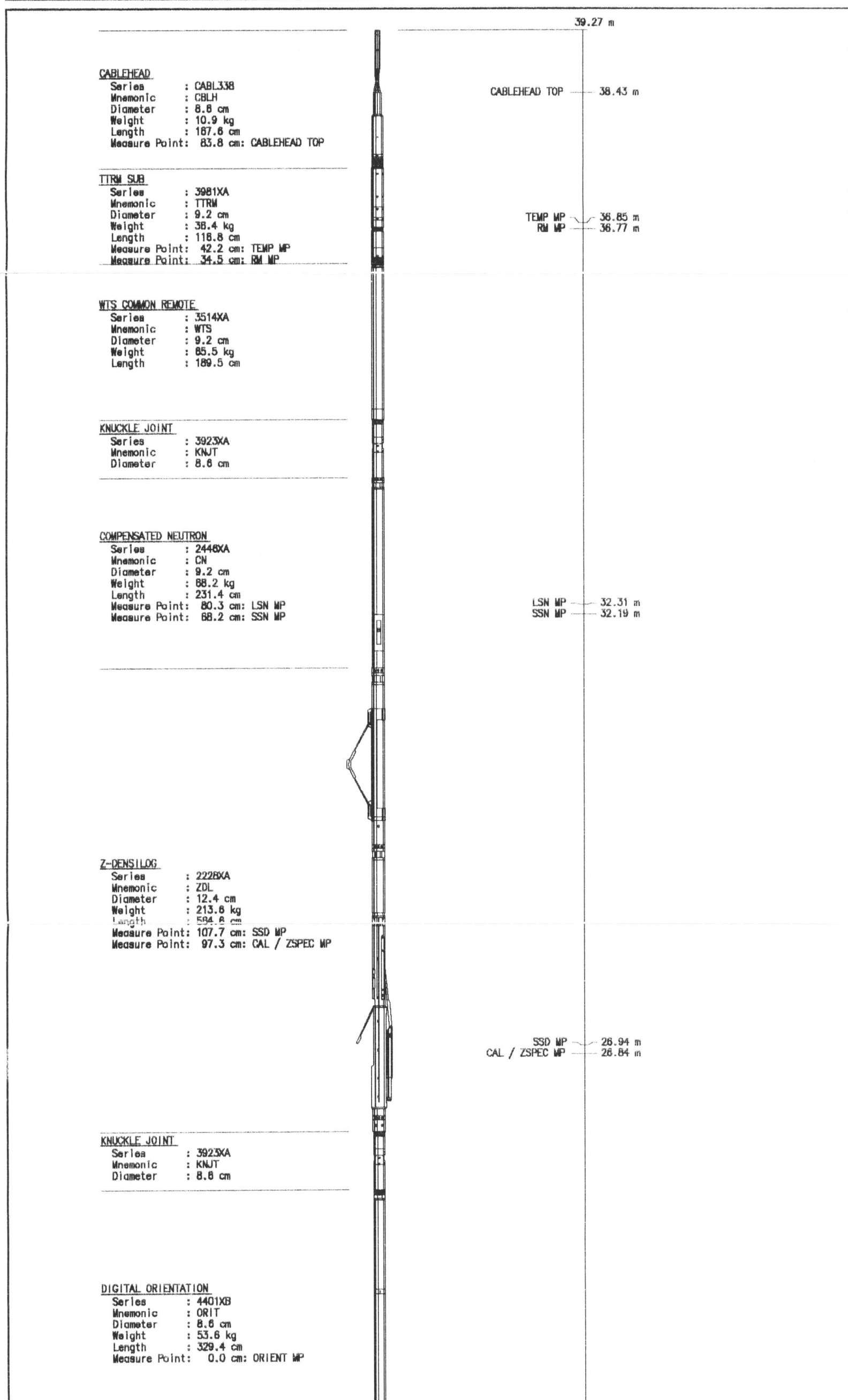
RUN 1 TRIP 1:

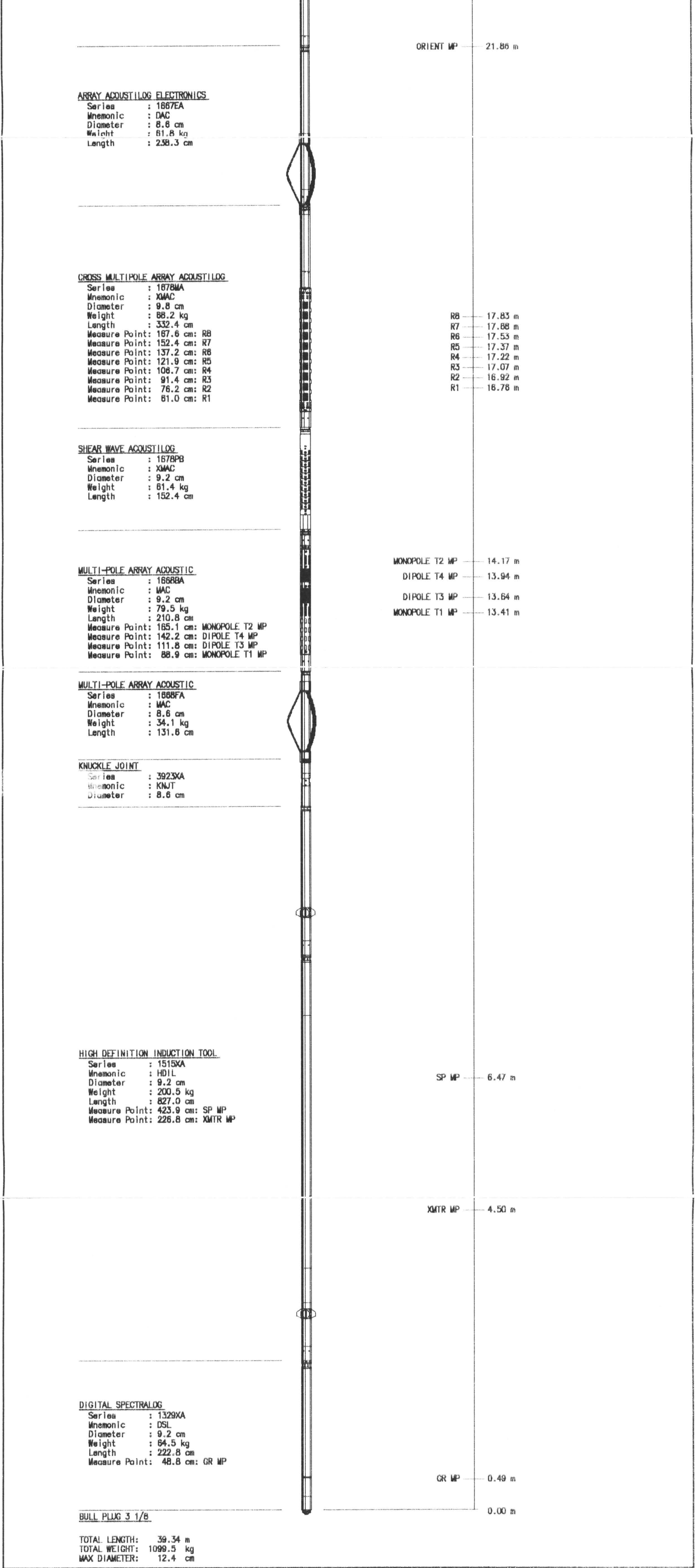
#### EQUIPMENT DATA

| RUN | TRIP | TOOL      | SERIES NO.    | SERIAL NO.    | POSITION       |
|-----|------|-----------|---------------|---------------|----------------|
| 1   | 1    | TTRM      | 3981XA        | 10046849      | FREE           |
| 1   | 1    | COM REMOT | 3514XB        | 153396        | FREE           |
| 1   | 1    | KNJT      | 3923XA        |               | KNUCKLE JOINT  |
| 1   | 1    | CN        | 2448XA        | 155944        | DECENTRALIZED  |
| 1   | 1    | ZDL       | 2228FA/2228WA | 185952/120009 | PAD DEVICE     |
| 1   | 1    | ORIENT    | 4401XB        | 10118896      | FREE           |
| 1   | 1    | DAL ELEC  | 1667EA        | 168548        | FREE           |
| 1   | 1    | XMAC      | 1678WA        | 188711        | CENTRALIZED    |
| 1   | 1    | XMAC      | 1668PA        | 121635        | CENTRALIZED    |
| 1   | 1    | XMAC      | 1668BA        | 153828        | CENTRALIZED    |
| 1   | 1    | XMAC      | 1668FA        | 121039        | CENTRALIZED    |
| 1   | 1    | CENT      | 4341XA        | 369755        | CENTRALIZER    |
| 1   | 1    | HDIL      | 1515EA/1515WA | 179449/187570 | 38 MM STANDOFF |
| 1   | 1    | DGR       | 1329XA        | 153174        | FREE           |

#### INSTRUMENT CONFIGURATION

Source File: /data/pass/paramount\_k-29a/L-hdli-tdg





## MAIN LOG - TRUE VERTICAL DEPTH

ECLIPS 5.01 Dec 17, 2003      Cplot 7.15      Thu Sep 22 06:36:30 2005  
Updates: 1,2,3,32      Percpt /main/59      Pdf\_Cpp /main/16      Fileview 4.67

### PARAMETER AND FILTER SUMMARY REPORT

|                                               |                           |                          |             |              |        |
|-----------------------------------------------|---------------------------|--------------------------|-------------|--------------|--------|
| File: /data/pass/paramount_k-29a/187dvx02.prm |                           |                          |             |              |        |
| LOGGING MODE: DEPTH                           |                           | DIRECTION: UP            |             |              |        |
| TOP DEPTH: 1836.134 m                         |                           | BOTTOM DEPTH: 2576.131 m |             |              |        |
| SYMMETRIC FILTER                              |                           |                          |             |              |        |
| MEASUREMENT TYPE                              | PARAMETER                 | VALUE                    | UNITS       | INTERVAL (m) |        |
| X AXIS CALIPER                                | FILTER ( )                | light (2)                |             | TOP          | BOTTOM |
| CHT                                           | FILTER ( )                | medium (1)               |             | ..           | ..     |
| TENSION                                       | FILTER ( )                | medium (1)               |             | ..           | ..     |
| GR                                            | FILTER ( )                | medium (1)               |             | ..           | ..     |
| BOREHOLE & CEMENT                             |                           |                          |             |              |        |
| MEASUREMENT TYPE                              | PARAMETER                 | VALUE                    | UNITS       | INTERVAL (m) |        |
| CASING - BOREHOLE & CEMENT VOLUME             | CASING O.D.               | 177.800                  | mm          | TOP          | BOTTOM |
| BIT SIZE                                      | BIT SIZE                  | 216.000                  | mm          | ..           | ..     |
| BOREHOLE CORR DIAMETER SOURCE                 | CALIPER/FIXED DIA. (mbh*) | USE CALIPER              |             | ..           | ..     |
| BOREHOLE CORR DIAMETER                        | FIXED DIAMETER (mbh*)     | 216.000                  | mm          | ..           | ..     |
| MUD VALUES SOURCE                             | RMUD SOURCE (HDIL)        | OIL BASE MUD             |             | ..           | ..     |
| MUD VALUES                                    | MUD SAMPLE TEMP           | 23.9                     | degC        | ..           | ..     |
|                                               | MUD SAMPLE RES            | 1.000                    | ohm.m       | ..           | ..     |
|                                               | MUD REFERENCE TEMP        | 23.9                     | degC        | ..           | ..     |
|                                               | TEMP GRADIENT             | 2.187                    | 0.01 degC/m | ..           | ..     |
| HDIL PROCESSING                               |                           |                          |             |              |        |
| MEASUREMENT TYPE                              | PARAMETER                 | VALUE                    | UNITS       | INTERVAL (m) |        |
| HDIL TEMPERATURE CORRECTION                   | TEMP CORR SOURCE          | USE RXTEMP               |             | TOP          | BOTTOM |
| ADAPTIVE BOREHOLE CORRECTION                  | ABC PROCESSING            | ON                       |             | ..           | ..     |
|                                               | ABC to CALCULATE          | STANDOFF                 |             | ..           | ..     |
|                                               | STANDOFF                  | 38.10                    | mm          | ..           | ..     |
|                                               | TOOL POSITION             | ECCENTERED               |             | ..           | ..     |
|                                               | Rmud MULTIPLIER           | 1.000                    |             | ..           | ..     |

### CURVE DESCRIPTION REPORT

| CURVE NAME | CURVE ALIAS     | CREATION DATE        | CURVE DESCRIPTION                                 |
|------------|-----------------|----------------------|---------------------------------------------------|
| F1:BIT     | BIT             | Sep 22 06:37:34 2005 | BIT SIZE                                          |
| F1:BVOL    | BVOL            | Sep 22 06:37:34 2005 | BOREHOLE VOLUME                                   |
| F1:CAL     | CAL             | Sep 22 06:37:34 2005 | CALIPER                                           |
| F1:CHT     | CHT             | Sep 22 06:37:34 2005 | CABLE HEAD TENSION                                |
| F1:CVOL    | CVOL            | Sep 22 06:37:34 2005 | CEMENT VOLUME                                     |
| F1:DEPTH   | MATCH_2_RES_DAT | Sep 22 06:37:34 2005 | SYSTEM DEPTH                                      |
| F1:GR      | GR              | Sep 22 06:37:34 2005 | GAMMA RAY                                         |
| F1:M2R2    | M2R2            | Sep 22 06:37:34 2005 | VERT RESOLUTION MATCHED (2 FT) RES - DOI 20 INCH  |
| F1:M2R3    | M2R3            | Sep 22 06:37:34 2005 | VERT RESOLUTION MATCHED (2 FT) RES - DOI 30 INCH  |
| F1:M2R6    | M2R6            | Sep 22 06:37:34 2005 | VERT RESOLUTION MATCHED (2 FT) RES - DOI 60 INCH  |
| F1:M2R9    | M2R9            | Sep 22 06:37:35 2005 | VERT RESOLUTION MATCHED (2 FT) RES - DOI 90 INCH  |
| F1:M2RX    | M2RX            | Sep 22 06:37:35 2005 | VERT RESOLUTION MATCHED (2 FT) RES - DOI 120 INCH |
| F1:TEN     | TEN             | Sep 22 06:37:35 2005 | DIFFERENTIAL TENSION                              |
| F1:WTBH    |                 | Sep 22 06:37:36 2005 | TEMPERATURE OF THE BOREHOLE                       |

### CURVE MEASURE POINT OFFSET

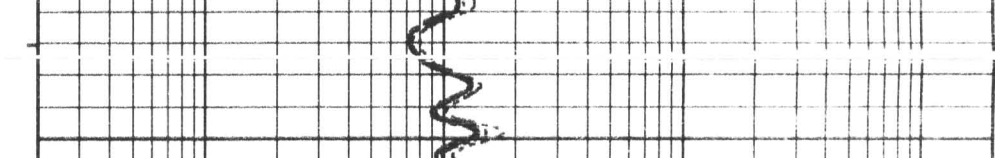
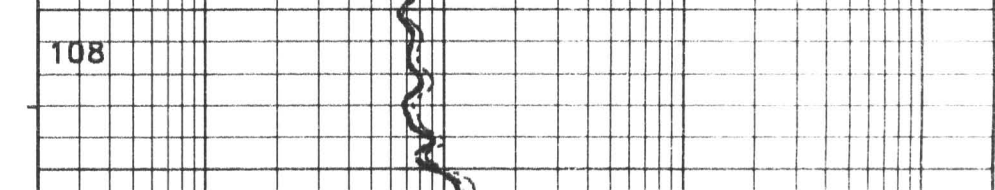
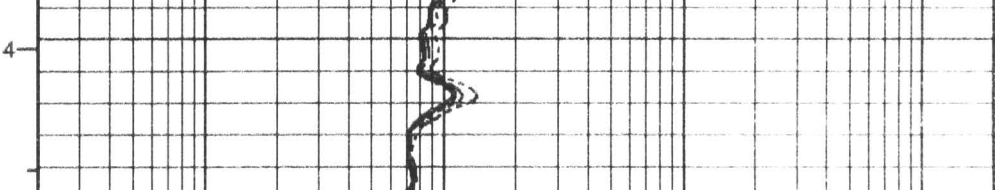
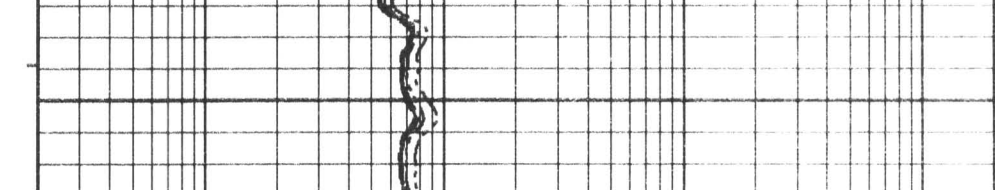
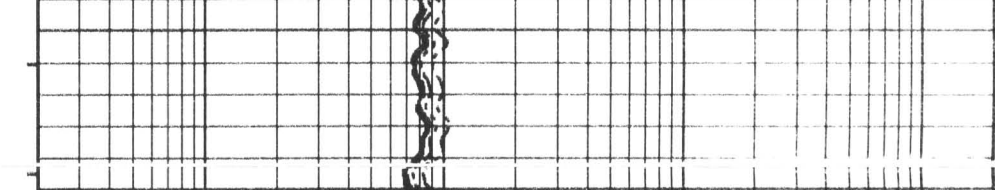
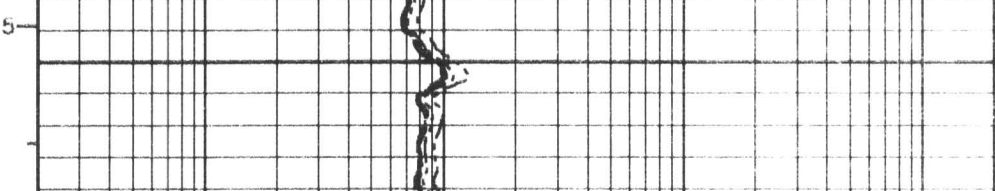
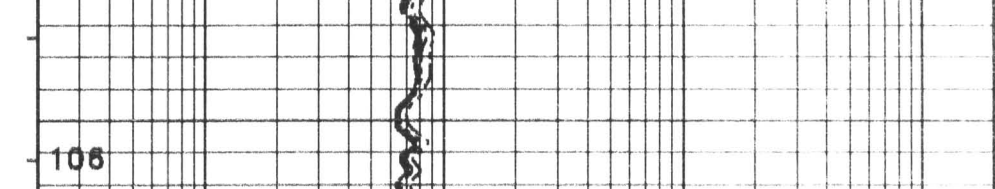
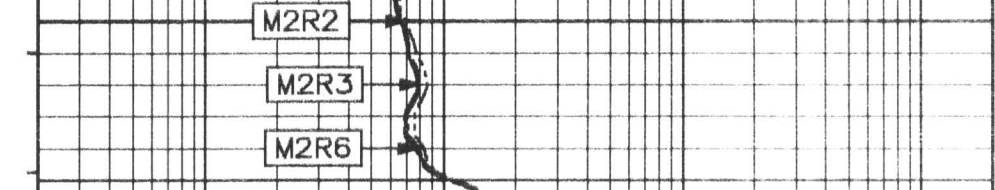
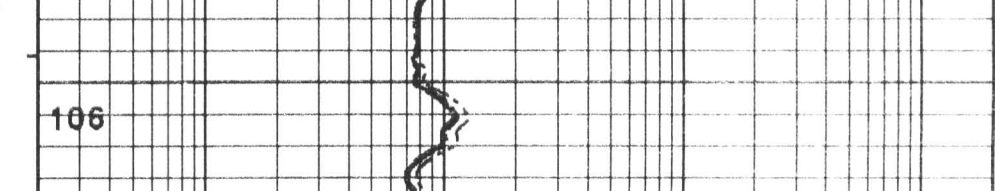
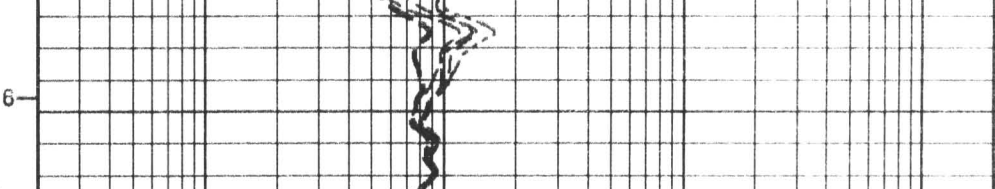
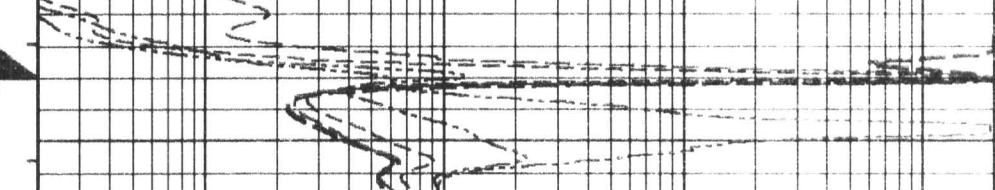
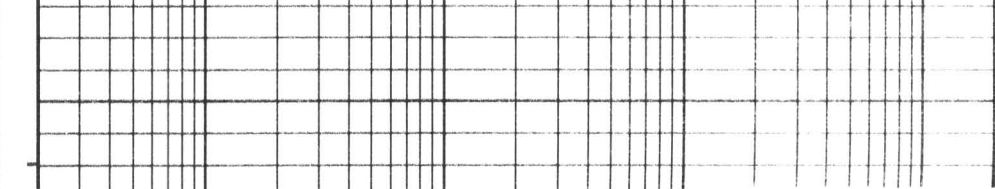
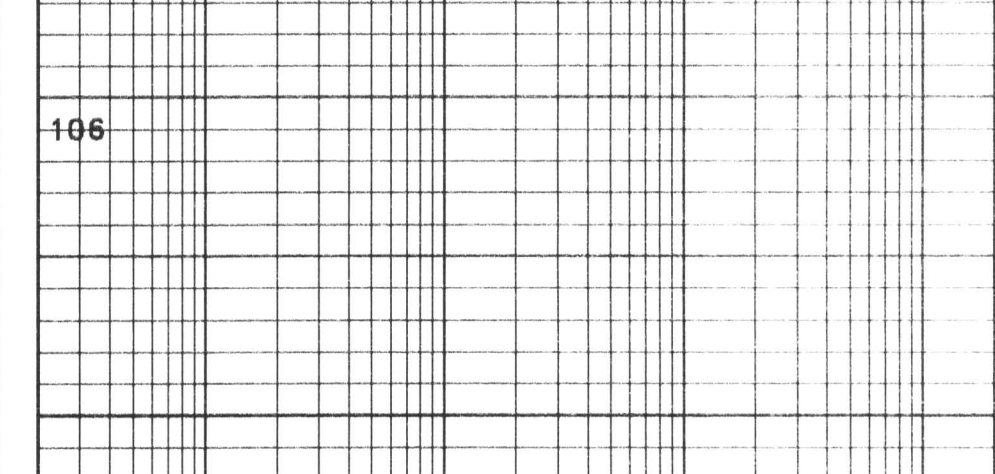
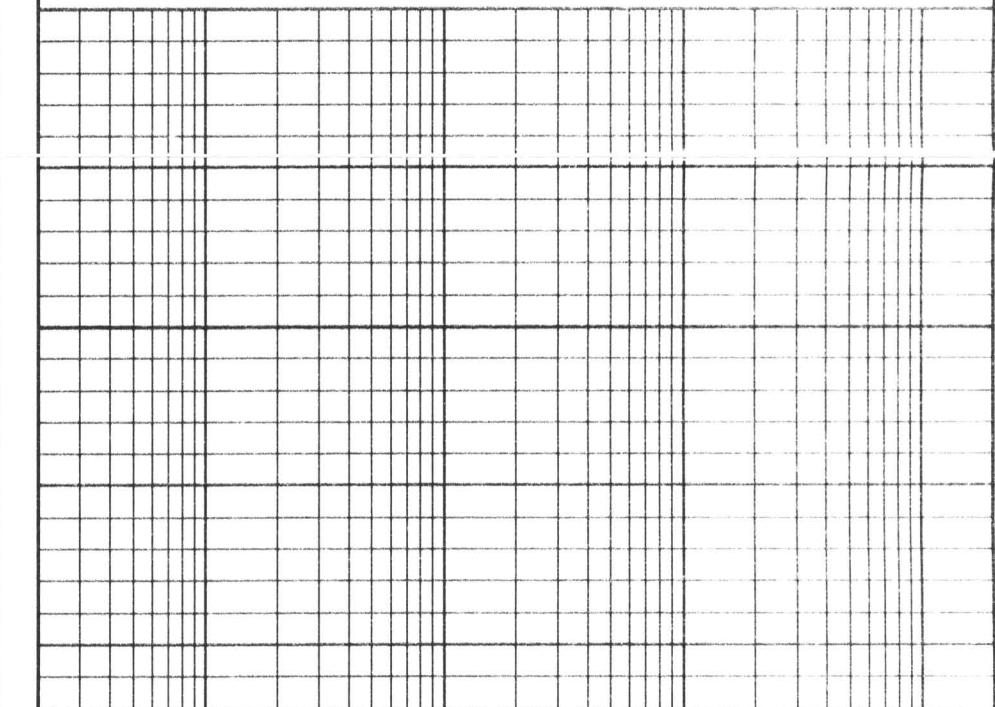
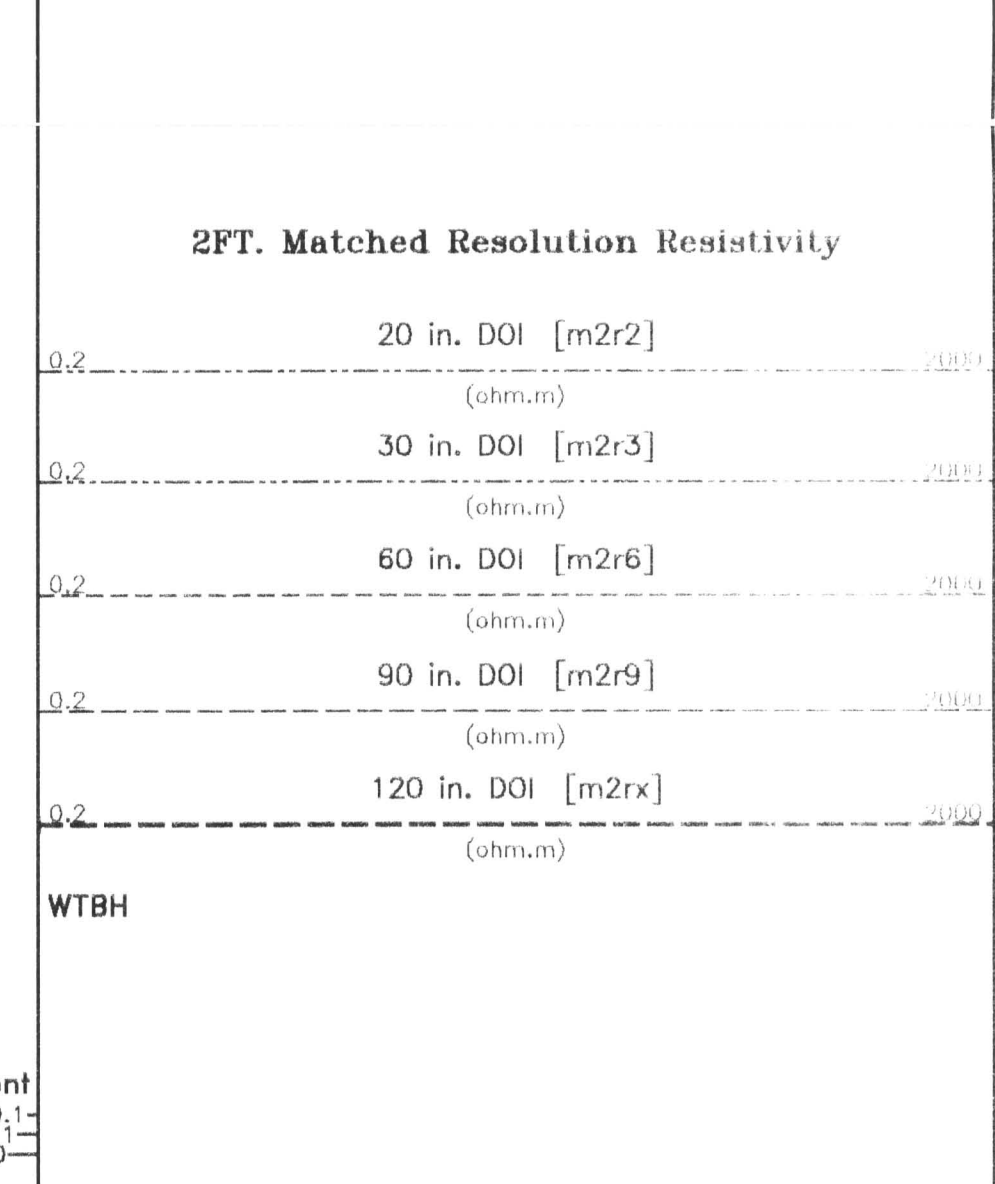
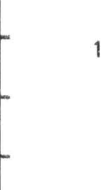
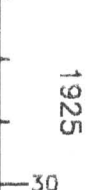
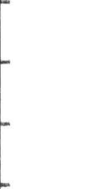
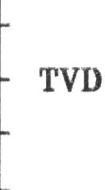
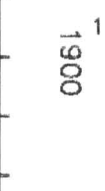
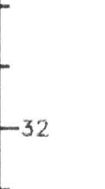
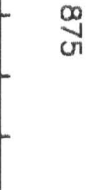
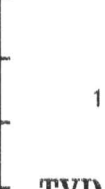
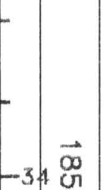
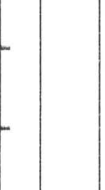
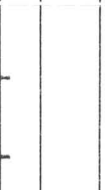
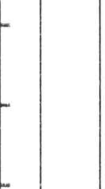
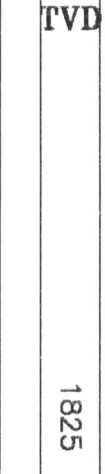
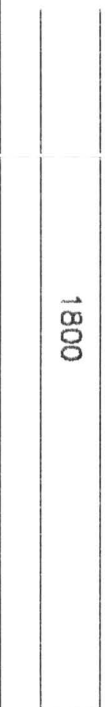
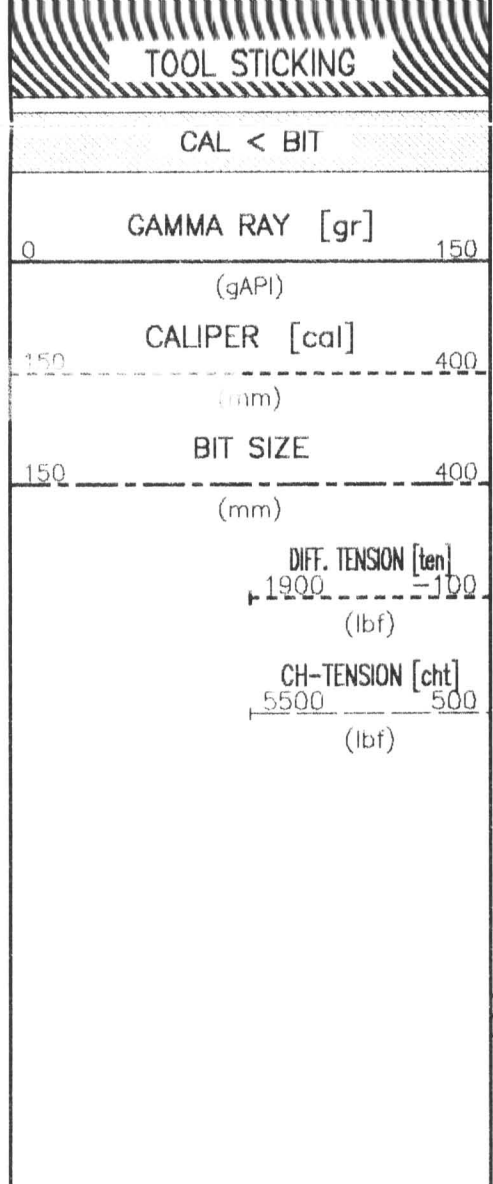
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|-------|------------|-------|------------|-------|------------|-------|------------|
| BIT   | 0.00       | GR    | 0.46       | M2R6  | 4.65       | TEN   | 0.00       |
| CAL   | 26.82      | M2R2  | 4.65       | M2R9  | 4.65       |       |            |
| CHT   | 0.00       | M2R3  | 4.65       | M2RX  | 4.65       |       |            |

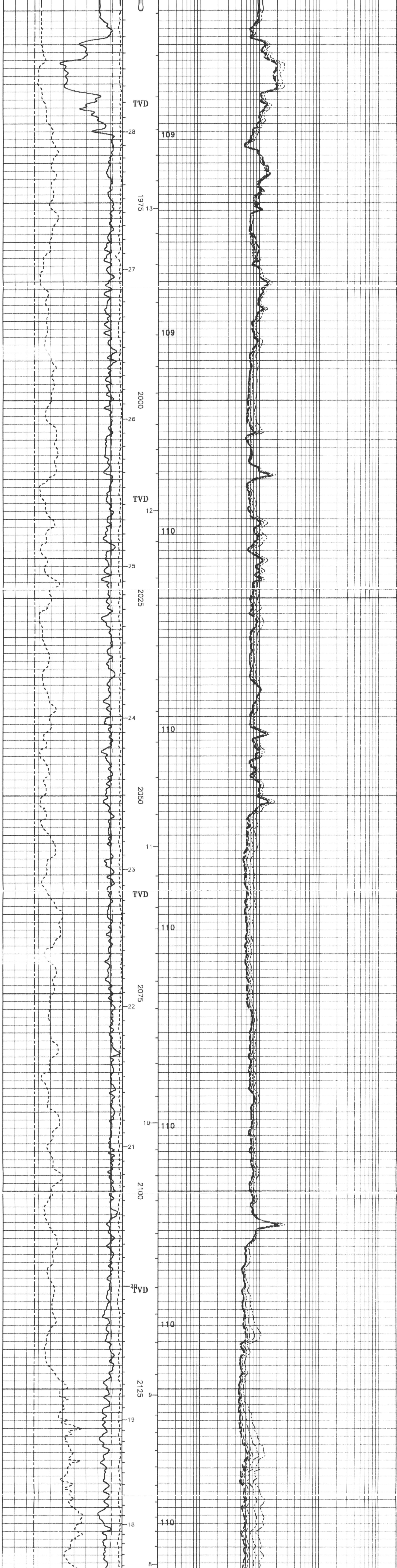
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Plot Interval : 1790.93 - 2470.25 Meters

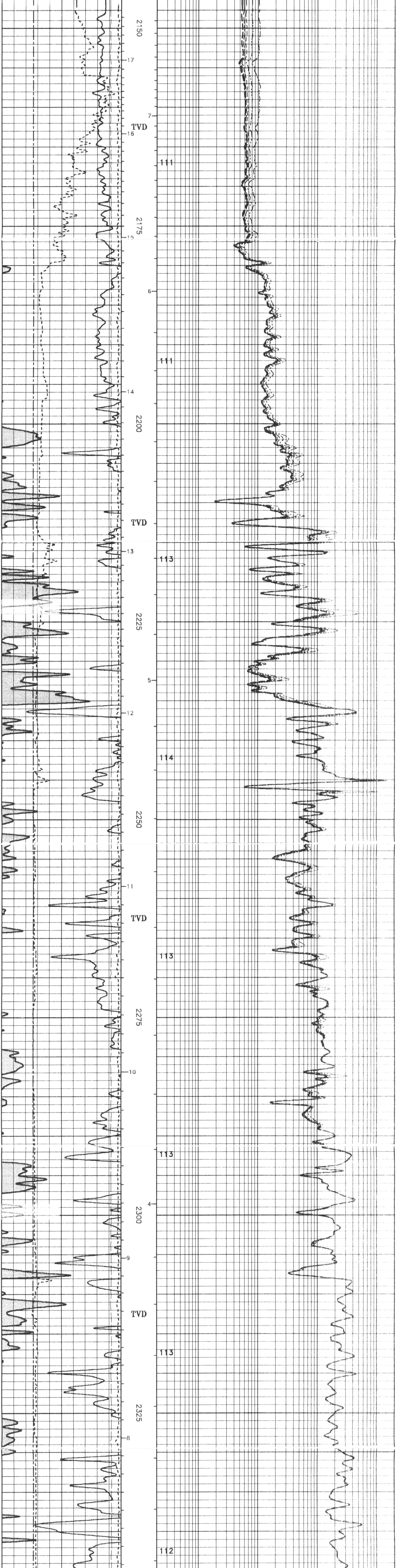
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Created On : Sep 22 06:37:34 2005  
Company : PARAMOUNT RESOURCES LTD.  
Well : PARAMOUNT ET AL LIARD k-29A  
Field : LIARD  
File Interval : 1790.93 - 2470.25 Meters  
Oct : 187dvx

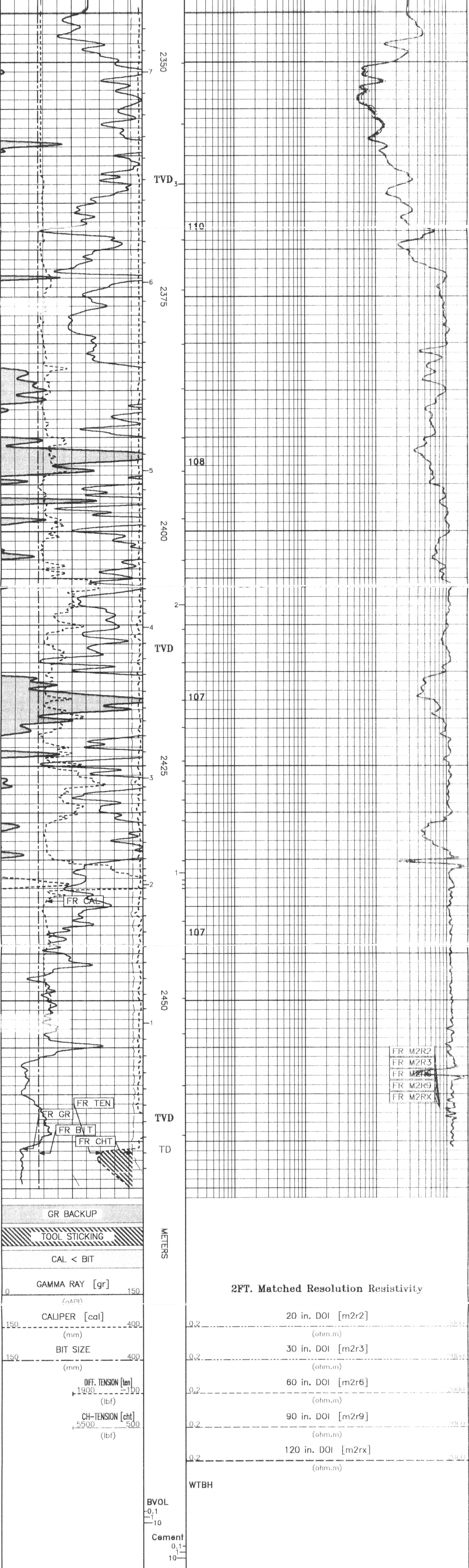
GR BACKUP

NET









### DIRECTIONAL SURVEY

Source File: /data/pass/paramount\_k-29a/t\_tvd.prn

| Measured Incl | Drift     | TRUE          |
|---------------|-----------|---------------|
| Depth         | Direction | Depth         |
| Depth         | Deg       | Depth         |
| 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       | 21.6      | 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 | 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  | 33.3  | 336.5 | 2395.18 |
| 2480.28 | 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 | 2452.58 |
| 2550    | 48.9  | 331.3 | 2455.03 |
| 2566    | 52.37 | 330   | 2465.17 |

|                                                                                                           |                                                |  |                                |
|-----------------------------------------------------------------------------------------------------------|------------------------------------------------|--|--------------------------------|
| <br><b>Baker Atlas</b> | <b>COMPANY</b> <u>PARAMOUNT RESOURCES LTD.</u> |  | <b>FILE NO:</b>                |
|                                                                                                           | <b>WELL</b> <u>PARAMOUNT ET AL LIARD k-29A</u> |  | <b>API NO:</b>                 |
|                                                                                                           | <b>FIELD</b> <u>LIARD</u>                      |  |                                |
|                                                                                                           | <b>PROVINCE</b> <u>NORTH WEST TERRITORIES</u>  |  |                                |
|                                                                                                           | <b>LOCATION:</b>                               |  | <b>ELEVATIONS:</b>             |
|                                                                                                           | LIC #: 1125                                    |  | KB 416.4 M<br>DF<br>GL 409.6 M |
|                                                                                                           |                                                |  | <b>DATE</b> 21-Sep-2005        |

UWI:  
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