



DUAL COMPENSATED Z-DENSLOG  
COMPENSATED NEUTRON LOG  
GAMMA RAY LOG  
X-Y AXIS CALIPER LOG

|                        |                     |                                               |            |
|------------------------|---------------------|-----------------------------------------------|------------|
| FILE NO:               | COMPANY             | MGM ENERGY CORP                               |            |
| API NO:                | WELL                | MGM SHELL EAST MACKAY I-78                    |            |
|                        | FIELD               | EAST MACKAY                                   |            |
|                        | PROVINCE            | NORTHWEST TERRITORIES                         |            |
| Ver. 3.87              | LOCATION:           | OTHER SERVICES<br>HDIL-GR-CAL, CVL<br>XMAC-GR |            |
| LICENSE:<br>1202       | LAT 64.795          | LONG -125.722                                 |            |
| PERMANENT DATUM        | G.L.                | ELEVATION                                     | 155.00 M   |
| LOG MEASURED FROM      | K.B.                | 6.2 M                                         | ABOVE P.D. |
| DRILL. MEAS. FROM      | KELLY BUSHING       |                                               |            |
|                        |                     | KB                                            | 161.2 M    |
|                        |                     | DF                                            |            |
|                        |                     | GL                                            | 155.00 M   |
| DATE                   | 29-JAN-2013         |                                               |            |
| RUN                    | TRIP                | 1                                             |            |
| SERVICE ORDER          | CA215445            |                                               |            |
| DEPTH DRILLER          | 405.2 M             |                                               |            |
| DEPTH LOGGER           | 404.0 M             |                                               |            |
| BOTTOM LOGGED INTERVAL | 398.5 M             |                                               |            |
| TOP LOGGED INTERVAL    | 23.0 M              |                                               |            |
| CASING DRILLER         | 406.4 MM            |                                               |            |
| CASING LOGGER          | 22.5 M              |                                               |            |
| BIT SIZE               | 311.0 MM            |                                               |            |
| TYPE OF FLUID IN HOLE  | MILL GEL MUD SLURRY |                                               |            |
| DENSITY                | VISCOSITY           | 1140.0 G/L 78] S                              |            |
| PH                     | FLUID LOSS          | 8.0 10.6 ML                                   |            |
| SOURCE OF SAMPLE       | FLOWLINE            |                                               |            |
| RM AT MEAS. TEMP.      | 1.60 OHMM           |                                               |            |
| RMF AT MEAS. TEMP.     | 1.20 OHMM           |                                               |            |
| RMC AT MEAS. TEMP.     | 2.20 OHMM           |                                               |            |
| SOURCE OF RMF          | RMC                 | MEASURED                                      |            |
| RM AT BHT              | 1.40 OHMM           |                                               |            |
| TIME SINCE CIRCULATION | 10.0 HOURS          |                                               |            |
| MAX. RECORDED TEMP.    | 26.3 DEGC           |                                               |            |
| EQUIP. NO.             | LOCATION            | Z008672 CANADA OPEN                           |            |
| RECORDED BY            | I.ZALESKI KH        |                                               |            |
| WITNESSED BY           | D.PRIOR             |                                               |            |

| BOREHOLE RECORD |        |         |  |
|-----------------|--------|---------|--|
| BIT SIZE        | 22.5 M | 405.2 M |  |
| FROM            |        | TO      |  |

| CASING RECORD |          |           |        |
|---------------|----------|-----------|--------|
| SIZE          | 406.4 MM | 81.8 KG/M |        |
| WEIGHT        |          | GRADE     | NA     |
| FROM          |          | TO        | 22.5 M |

REMARKS

RUN 1 TRIP 1 : TIME STOPPED CIRCULATION: 29-JAN-2013 11:30 AM

MAXIMUM TEMPERATURE ON THERMOMETERS: 26 AND 26 DEGC  
TEMPERATURE LOG WAS RECORDED ON THE WAY DOWN.

CNC IS ZDL CALIPER CORRECTED.  
CNC AND PORZ PRESENTED IN SANDSTONE MATRIX 2.65G/CM3.

AND PRESENTED ABOVE CAL/VER SECTION.

RIG: AKITA #37

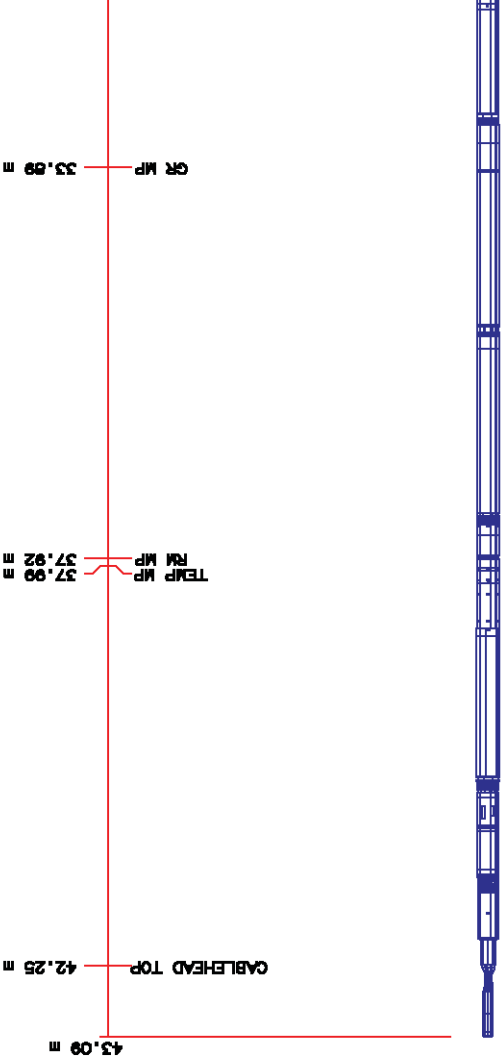
CREW: I.ZALESKI KH, J.PEREIRA, N.MCDERMID, K.HASLUK

| RUN | TRIP | TOOL        | SERIES NO. | SERIAL NO. | POSITION      |
|-----|------|-------------|------------|------------|---------------|
| 1   | 1    | SWIVEL      | 3944XD     | 10513050   | FREE          |
| 1   | 1    | DHPA        | 4430XB     | 10390592   | FREE          |
| 1   | 1    | TTRM SUB    | 3981XB     | 10516528   | FREE          |
| 1   | 1    | COMM        | 3514XB     | 10504656   | FREE          |
| 1   | 1    | WTS DGR/SU  | 1329XB     | 10293862   | FREE          |
| 1   | 1    | QRT         | 4401XB     | 12466129   | FREE          |
| 1   | 1    | ACOUSTIC EL | 1677EA     | 10383992   | CENTRALIZED   |
| 1   | 1    | XMAC RX MDR | 1678MC     | 10386815   | CENTRALIZED   |
| 1   | 1    | XMAC ISO    | 1678PB     | 10039369   | FREE          |
| 1   | 1    | XMAC TX ELC | 1678BA     | 12168167   | CENTRALIZED   |
| 1   | 1    | XMAC TX ELC | 1678FA     | 12188364   | CENTRALIZED   |
| 1   | 1    | WTS DBL KNJ | 3939XA     | 12448499   | FREE          |
| 1   | 1    | FOC/WTS ADP | 3527EA     | 12337591   | FREE          |
| 1   | 1    | FOC/WTS ADP | 3527FA     | 12494796   | FREE          |
| 1   | 1    | TMA SUB     | 3980XA     | Z402456    | FREE          |
| 1   | 1    | FOCUS CN    | 2436XA     | 10105638   | DECENTRALIZED |
| 1   | 1    | FOCUS ZDEN  | 2223XA     | 10391896   | PAD DEVICE    |
| 1   | 1    | DBL KNJ     | 3931XA     | 10469360   | FREE          |
| 1   | 1    | ALGNMNT SUB | 4408NA     | 10265502   | FREE          |
| 1   | 1    | FOCUS ZDEN  | 2223XA     | 10102923   | PAD DEVICE    |
| 1   | 1    | DBL KNJ     | 3931XA     | 10189700   | FREE          |
| 1   | 1    | FOCUS HDL   | 1530XA     | 10125755   | STANDOFF      |

INSTRUMENT CONFIGURATION

Source File: /data/MCM/run1\_oh/m980g\_mgm\_R1-tdg

|                        |                  |                          |
|------------------------|------------------|--------------------------|
| CABLEHEAD              | Diameter         | : 8.6 cm                 |
|                        | Length           | : 167.8 cm               |
|                        | Weight           | : 10.9 kg                |
|                        | Series           | : CABL358                |
|                        | Mnemonic         | : CBH                    |
| SWIVEL                 | Measure Point:   | : 83.8 cm: CABLEHEAD TOP |
| Diameter               | : 8.6 cm         |                          |
| Length                 | : 108.7 cm       |                          |
| Weight                 | : 30.8 kg        |                          |
| Series                 | : 3944XD         |                          |
| DOWNHOLE POWER ADAPTER | Diameter         | : 9.2 cm                 |
|                        | Length           | : 180.7 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                   |
| WTS COMMON REMOTE      | Diameter         | : 9.2 cm                 |
|                        | Length           | : 194.0 cm               |
|                        | Weight           | : 57.3 kg                |
|                        | Series           | : 3514XB                 |
|                        | Mnemonic         | : WTS                    |
| DIGITAL SPECTRUM       | Diameter         | : 9.2 cm                 |
|                        | Length           | : 222.8 cm               |
|                        | Weight           | : 59.1 kg                |
|                        | Series           | : 1329XA                 |
|                        | Mnemonic         | : DSL                    |
| Measure Point:         | : 48.8 cm: GR MP |                          |



Diameter : 8.0 cm  
Length : 238.3 cm  
Weight : 48.4 kg  
Series : 1677EA  
Kinematic : XMAC

Cross Multi-Pole Array Acoustillog Electronics, B Channel

Diameter : 9.5 cm  
Length : 332.4 cm  
Weight : 101.8 kg  
Series : 1678MC  
Kinematic : XMF1  
Measure Point : 167.8 cm : R8  
Measure Point : 152.4 cm : R7  
Measure Point : 137.2 cm : R6  
Measure Point : 121.9 cm : R5  
Measure Point : 108.7 cm : R4  
Measure Point : 91.4 cm : R3  
Measure Point : 76.2 cm : R2  
Measure Point : 61.0 cm : R1

SHEAR WAVE ACOUSTILLOG

Diameter : 9.2 cm  
Length : 152.4 cm  
Weight : 61.4 kg  
Series : 1678PB  
Kinematic : XMAC

MULTI-POLE ARRAY ACOUSTIC

Diameter : 8.8 cm  
Length : 241.3 cm  
Weight : 77.3 kg  
Series : 1678BA  
Kinematic : XMAC  
Measure Point : 195.8 cm : MONOPOLE T5  
Measure Point : 195.8 cm : MONOPOLE T2  
Measure Point : 142.2 cm : Y-DIPOLE T4  
Measure Point : 142.2 cm : X-DIPOLE T3  
Measure Point : 88.9 cm : MONOPOLE T1

KNUCKLE JOINT (DOUBLE)

Diameter : 8.6 cm  
Length : 141.8 cm  
Weight : 40.9 kg  
Series : 3939XA  
Kinematic : KNUJ

MTS FOCUS TELEMETRY TRANSFORMER SUB

Diameter : 9.2 cm  
Length : 185.7 cm  
Weight : 30.5 kg  
Series : 3928EB  
Kinematic : ADMP

MTS FOCUS POWER ADAPTOR

Diameter : 9.2 cm  
Length : 110.2 cm  
Weight : 70.9 kg  
Series : 3928FB  
Kinematic : ADMP

FOCUS TBM/TBMP/MPD RES/ACCEL

Diameter : 8.0 cm  
Length : 131.4 cm  
Weight : 27.7 kg  
Series : 3980XA  
Kinematic : TMA

FOCUS COMPENSATED NEUTRON

Diameter : 8.0 cm  
Length : 146.7 cm  
Weight : 29.5 kg  
Series : 2439XA  
Kinematic : CN  
Measure Point : 58.4 cm : LSN MP  
Measure Point : 44.5 cm : SSN MP

FOCUS Z-DENSILLOG

Diameter : 9.5 cm  
Length : 282.1 cm  
Weight : 80.8 kg  
Series : 2223XA  
Kinematic : ZDL  
Measure Point : 132.1 cm : CR1 MP  
Measure Point : 51.4 cm : SS0 MP  
Measure Point : 39.4 cm : CR2 MP

ORIENT MP : 30.11 m

R8 : 26.08 m  
R7 : 25.93 m  
R6 : 25.77 m  
R5 : 25.62 m  
R4 : 25.47 m  
R3 : 25.32 m  
R2 : 25.17 m  
R1 : 25.01 m

MONOPOLE T2 : 22.42 m

X-DIPOLE T3 : 21.89 m

Y-DIPOLE T4 : 21.89 m

MONOPOLE T1 : 21.36 m

LSN MP : 12.78 m

CR1 MP : 10.59 m

MAIN LOG - UPPER PRESENTATION

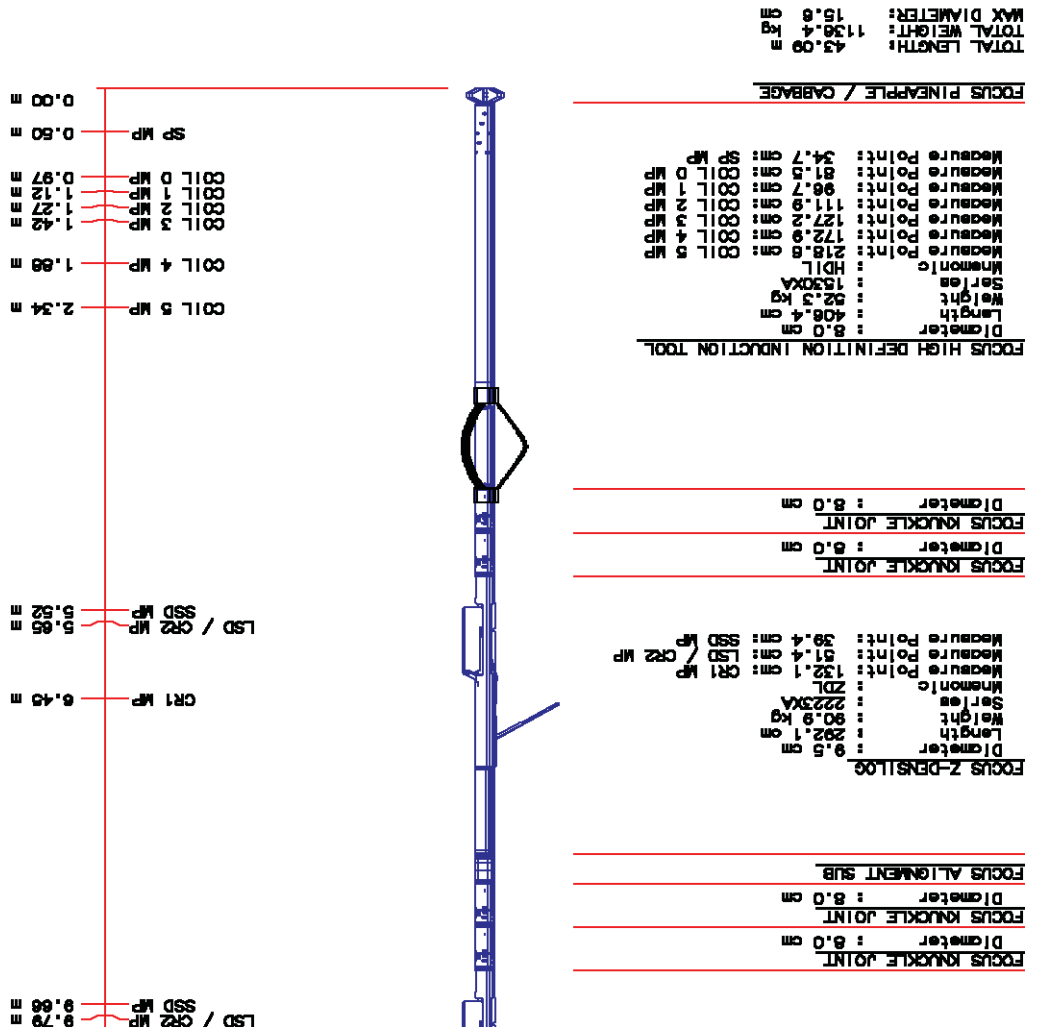
Thu Jan 31 15:53:43 2013

## Fileview 4.97

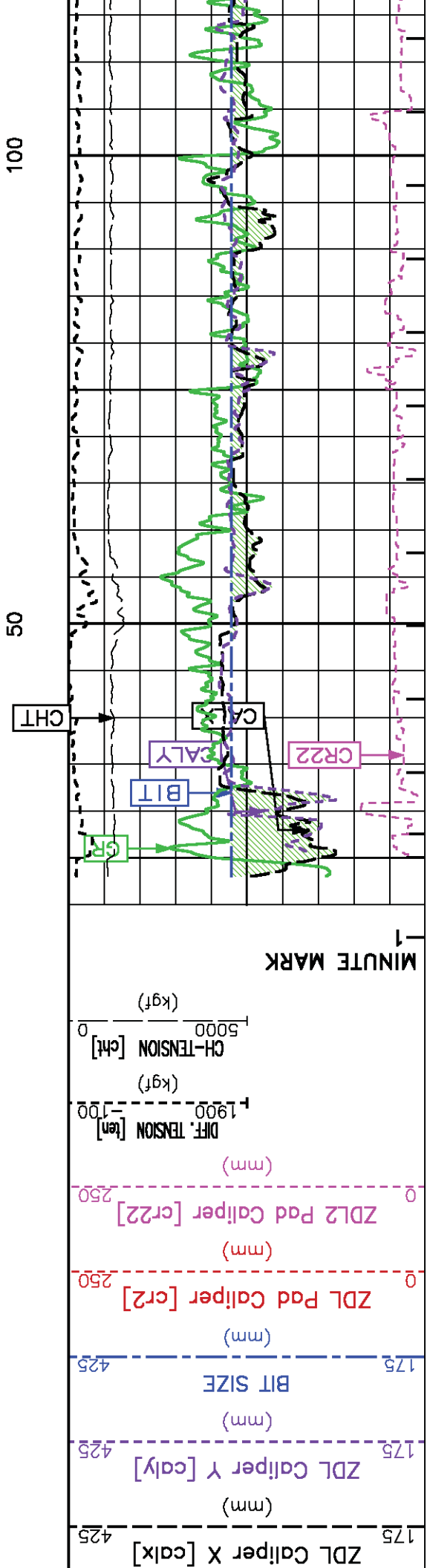
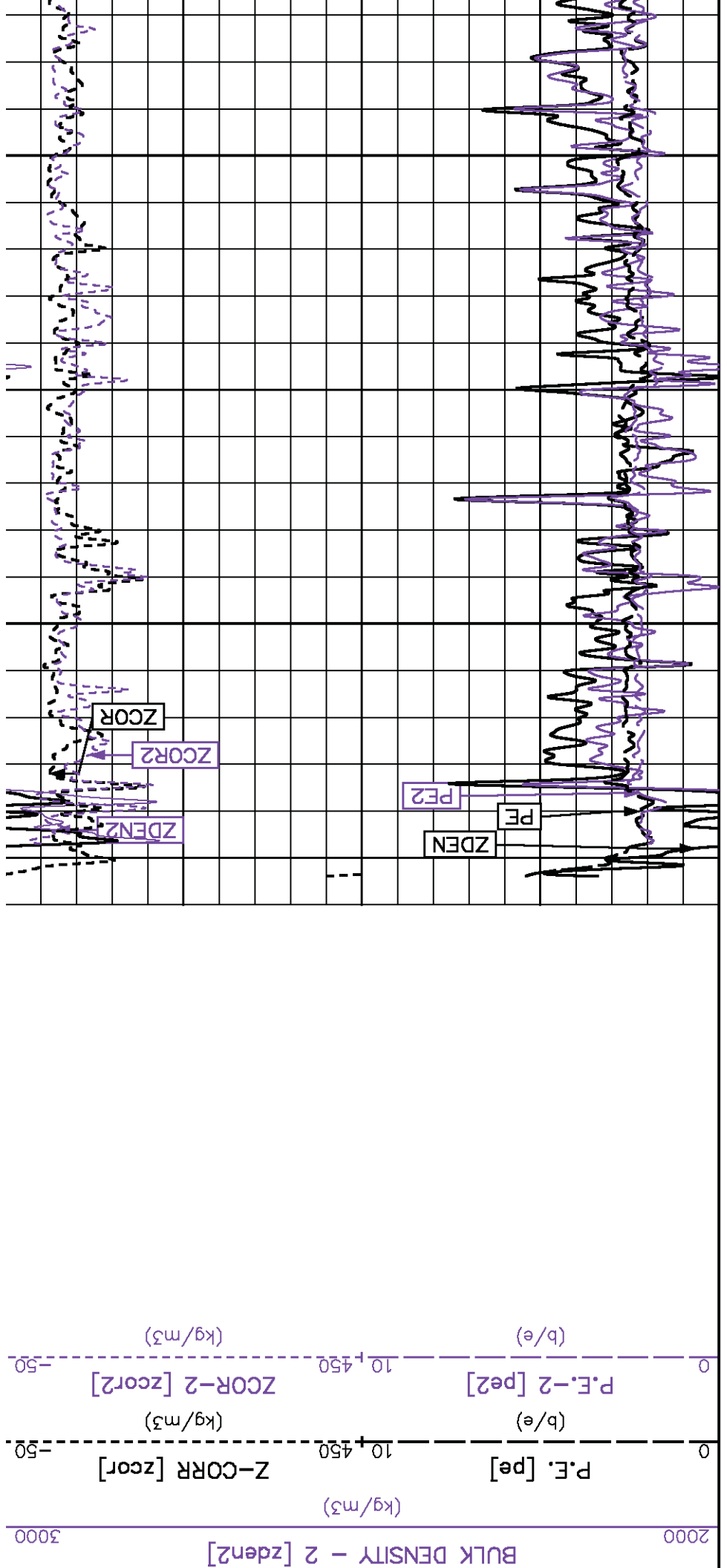
|                                     |                                                                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| PARAMETER AND FILTER SUMMARY REPORT | FILE: /export/data/ddc/215445/m980g07.prm<br>LOGGING MODE: DEPTH DIRECTION: UP<br>TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|

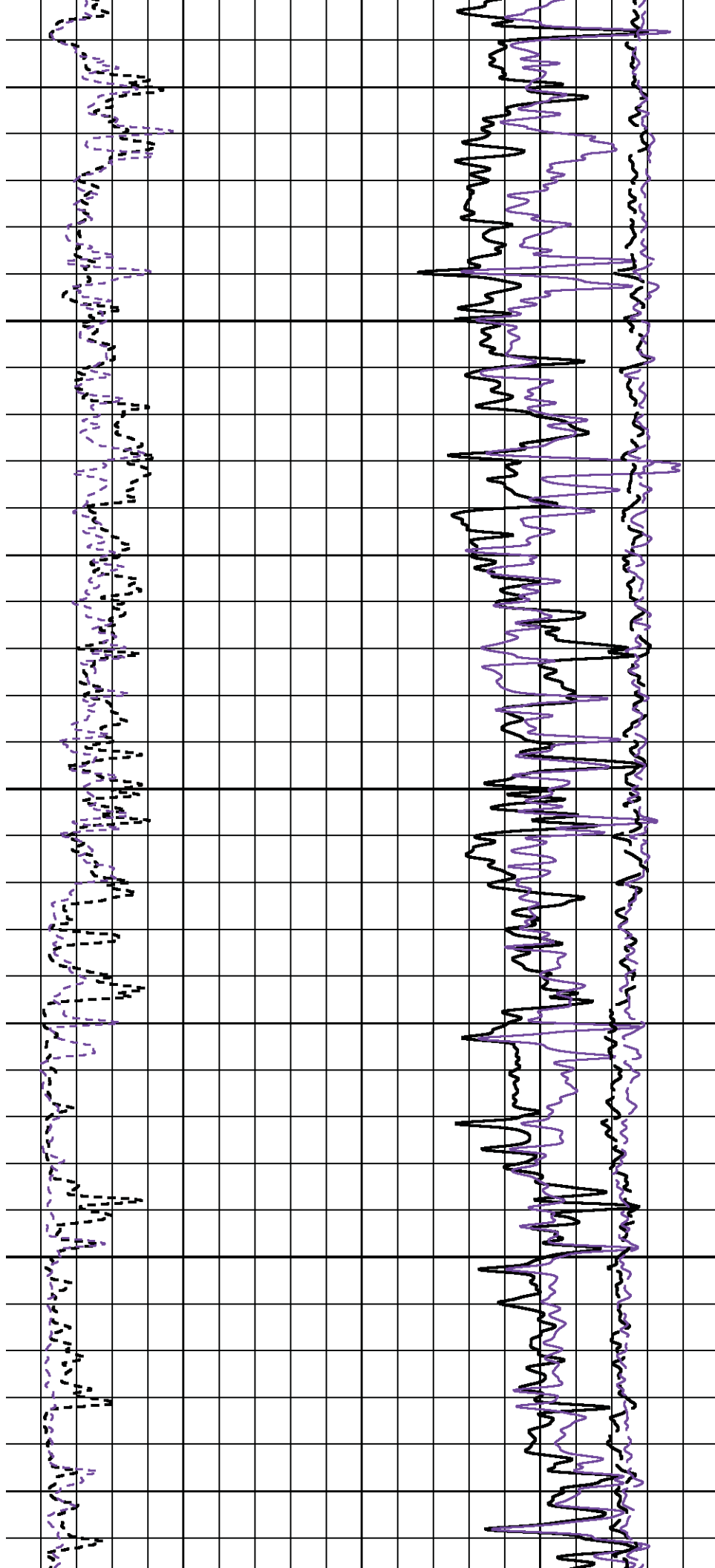
405.844 M

| SYMMETRIC FILTER |                  |            |       |              |
|------------------|------------------|------------|-------|--------------|
| MEASUREMENT TYPE | PARAMETER        | VALUE      | UNITS | INTERVAL (m) |
| CHT              | FILTER ( )       | medium (1) |       | TOP          |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       | BOTTOM       |
| TENSION          | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
| GR               | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
| CALIPER          | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
|                  | FILTER ( )       | medium (1) |       |              |
| ZDL MED RES      | FILTER (hrd1*)   | medium     |       |              |
|                  | FILTER (hrd12*)  | medium     |       |              |
|                  | FILTER (hrd1s*)  | medium     |       |              |
|                  | FILTER (hrd1s2*) | medium     |       |              |
|                  | FILTER (hrd2*)   | medium     |       |              |
|                  | FILTER (hrd22*)  | medium     |       |              |
|                  | FILTER (hrd2s*)  | medium     |       |              |
|                  | FILTER ( )       | medium     |       |              |
|                  | FILTER ( )       | medium     |       |              |
|                  | FILTER ( )       | medium     |       |              |





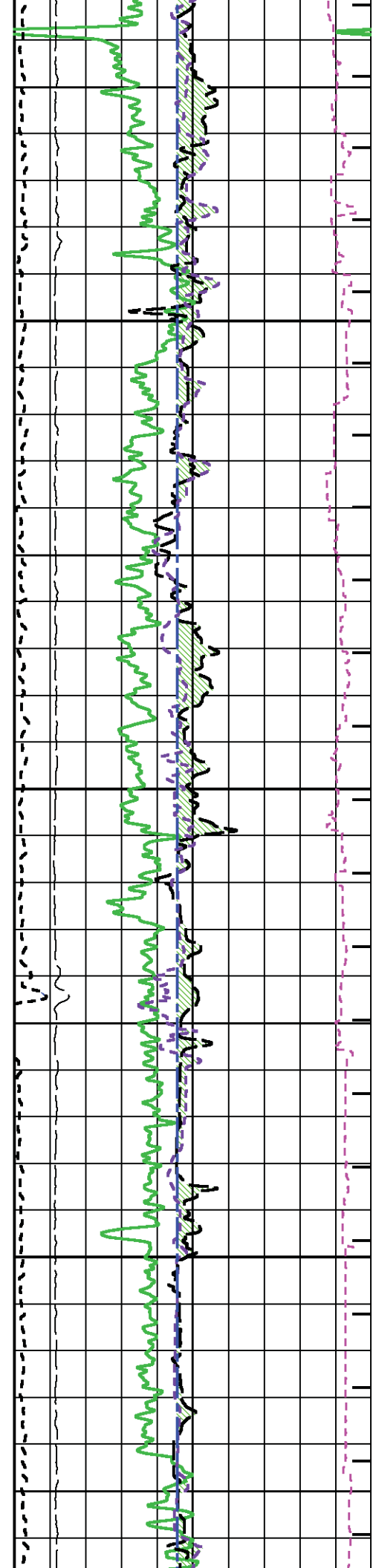


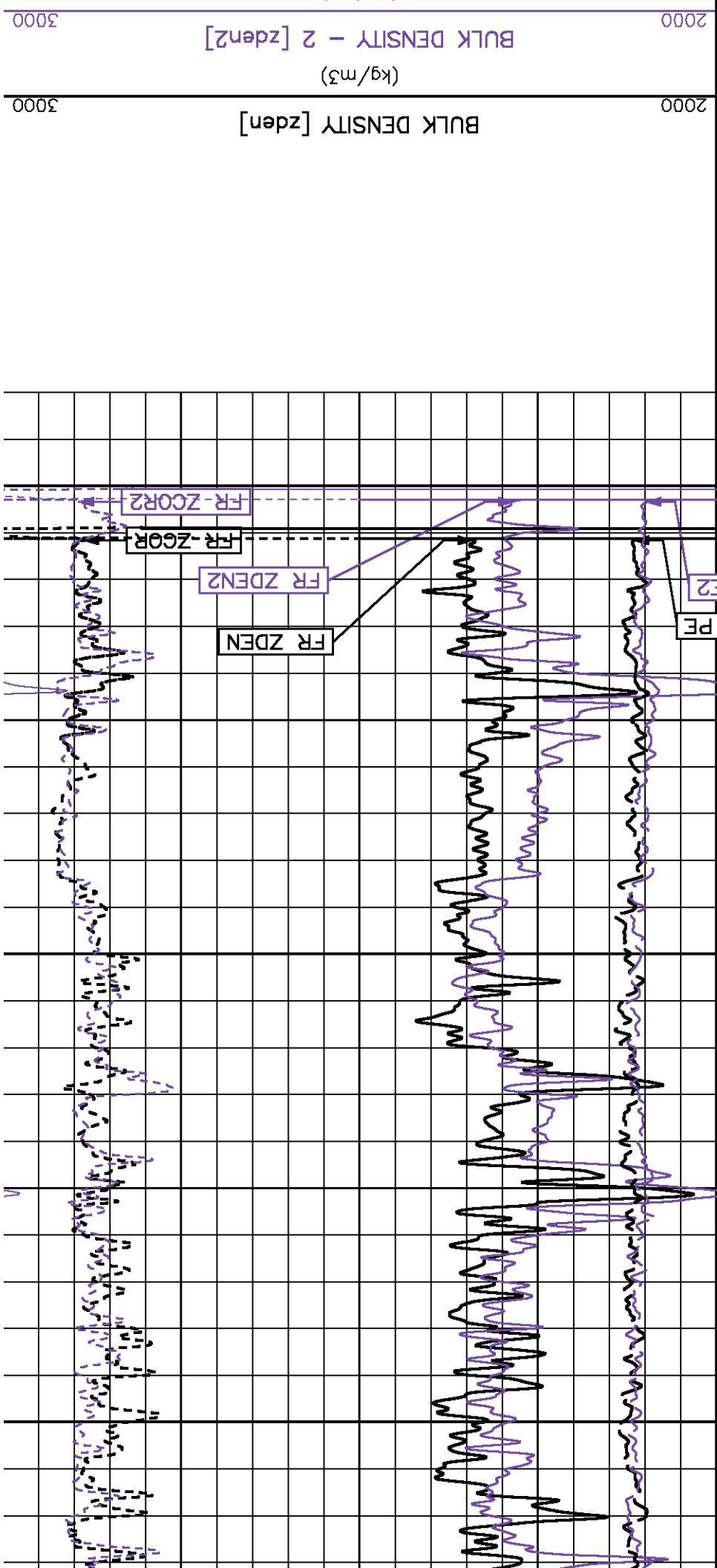
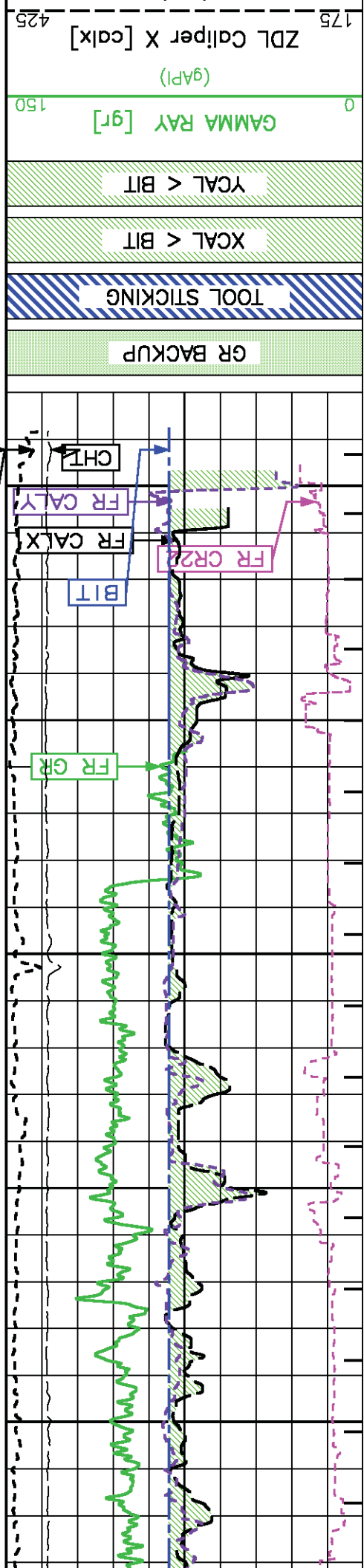


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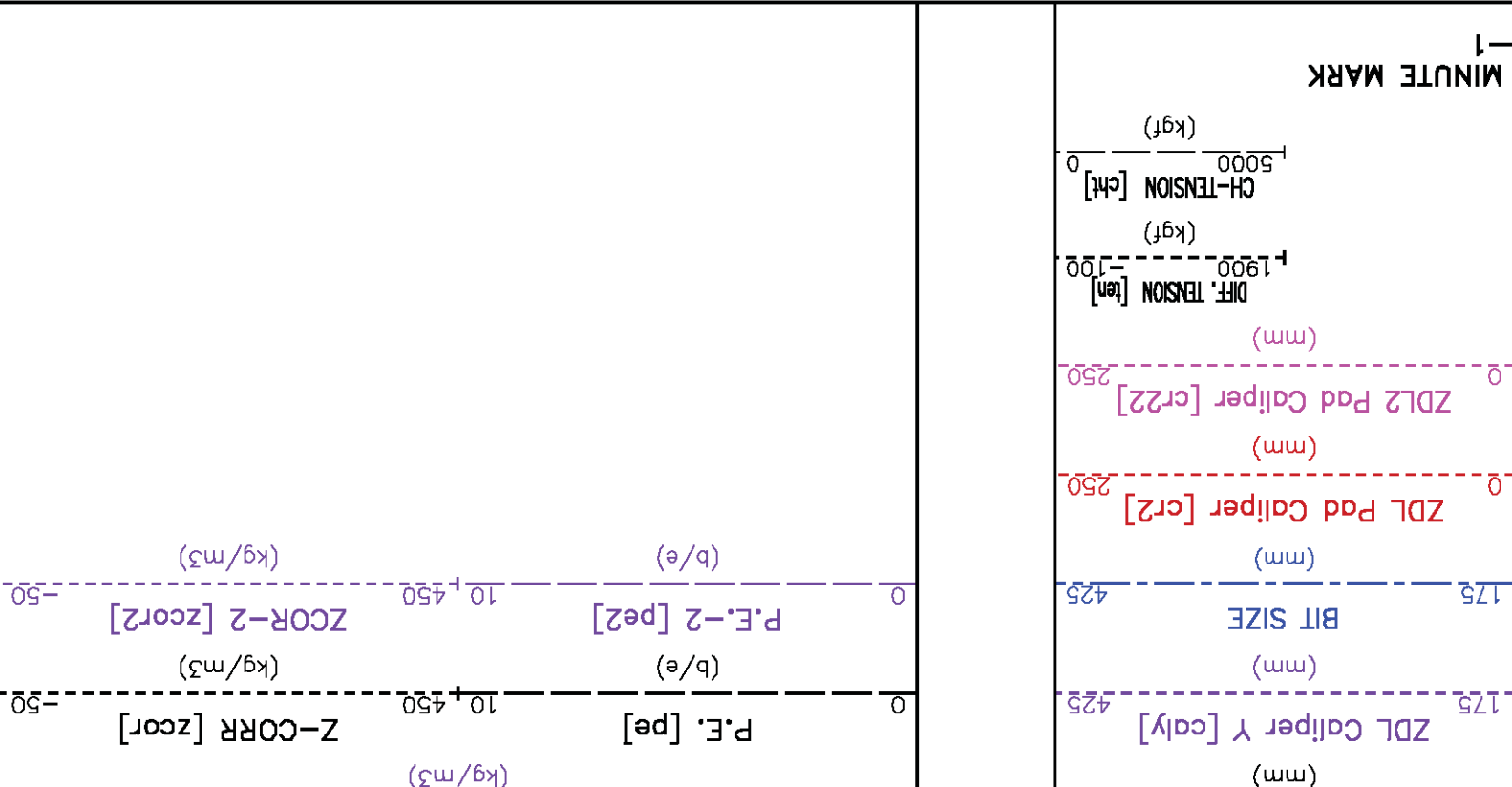
200

150





MAIN LOG - SANDSTONE MATRIX



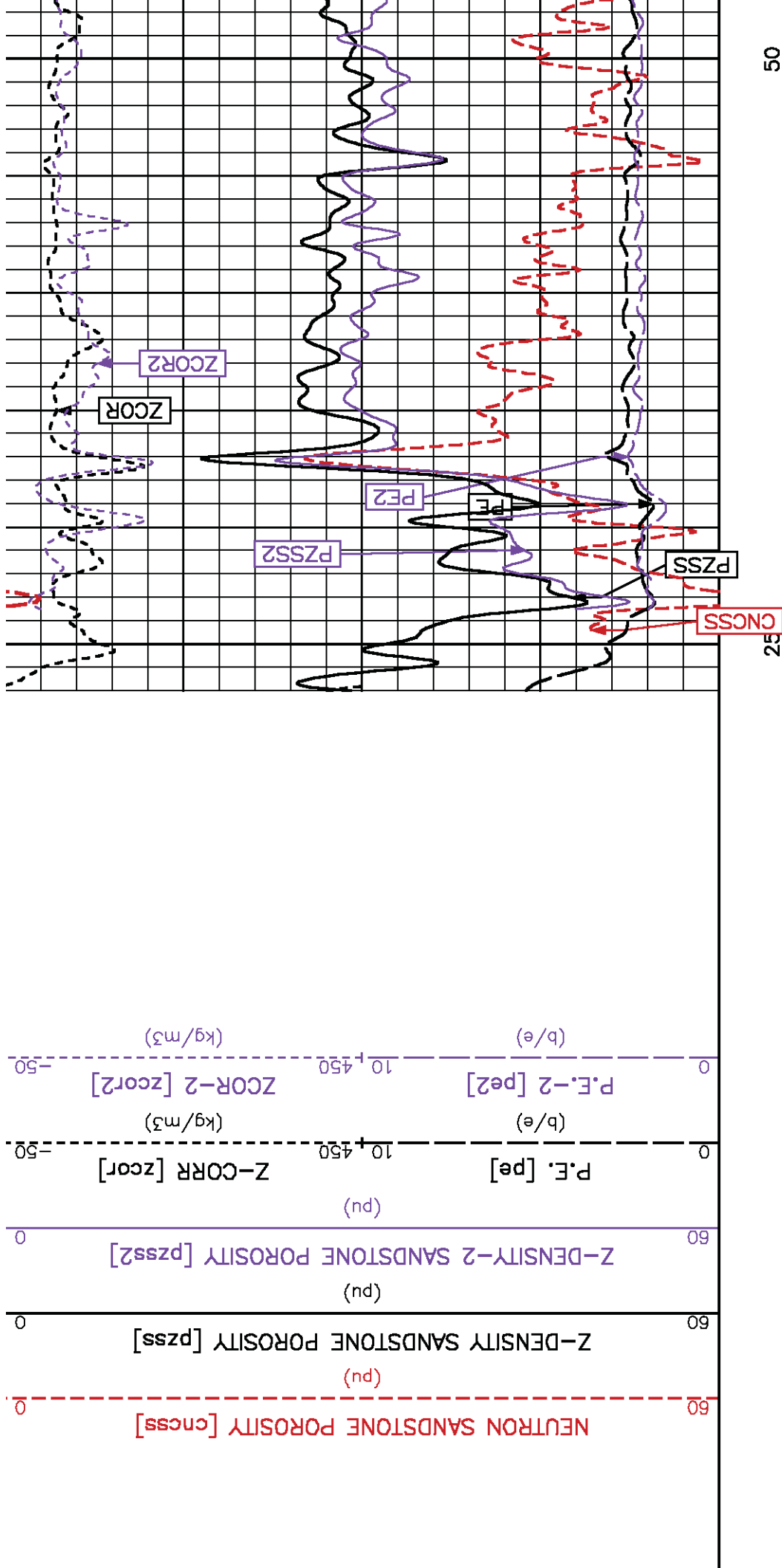
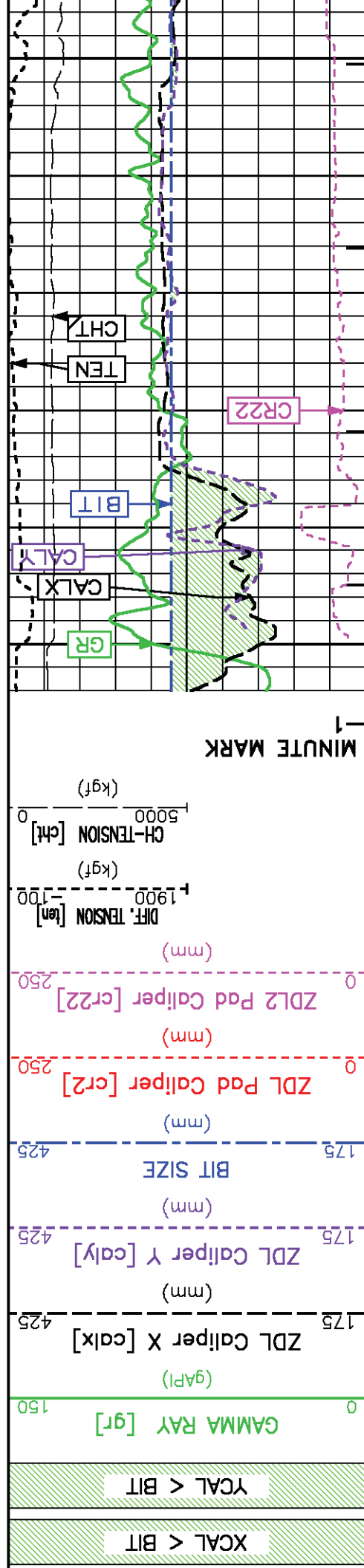
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Thu Jan 31 15:54:52 2013  
Perpfit / main/61  
Cplot 9.16  
Pdf\_Cpp / main/16  
Fileview 4.97

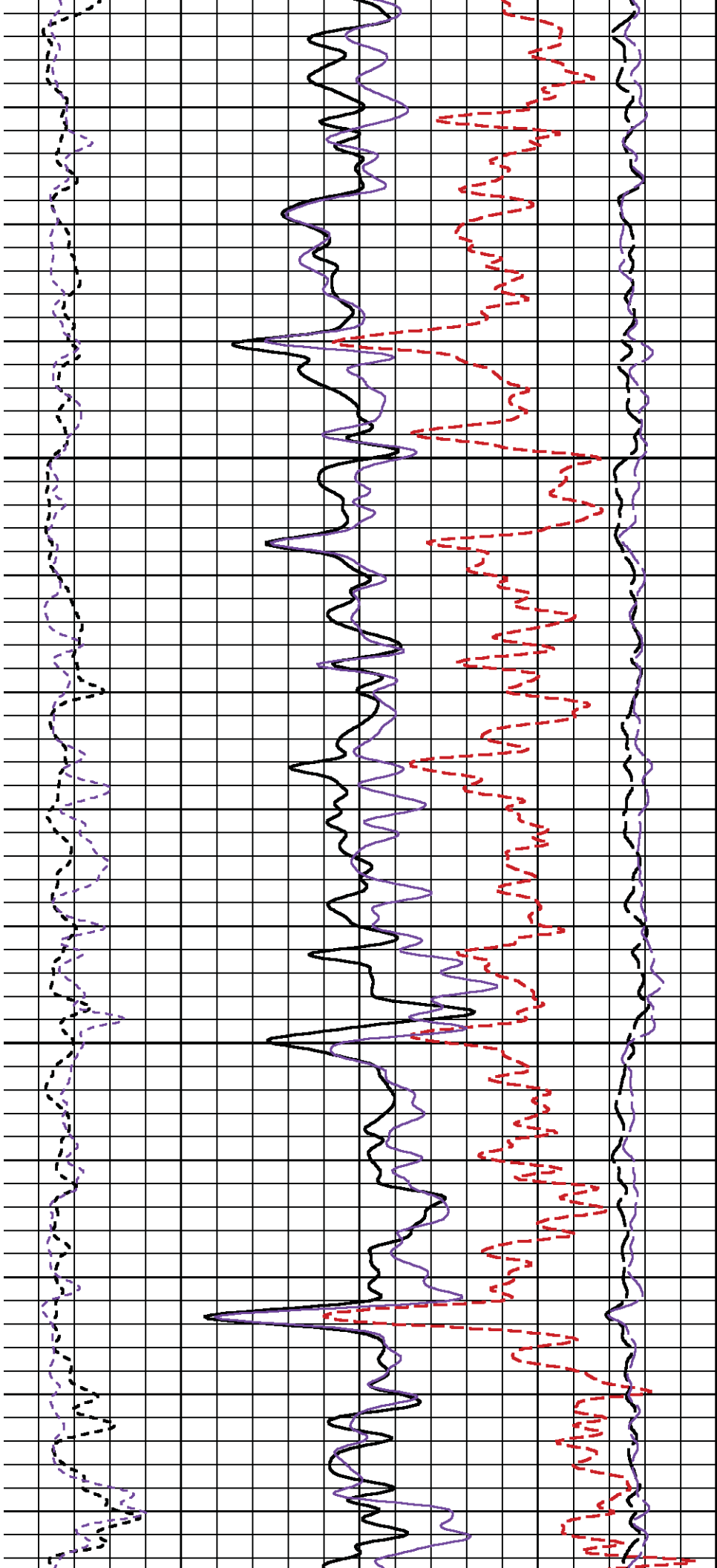
PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g07.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m

| MEASUREMENT TYPE  | PARAMETER        | VALUE      | UNITS | INTERVAL (m) |
|-------------------|------------------|------------|-------|--------------|
| BOREHOLE & CEMENT |                  |            |       |              |
| CHT               | FILTER ( )       | medium (1) |       | TOP          |
| TENSION           | FILTER ( )       | medium (1) |       | TOP          |
| GR                | FILTER ( )       | medium (1) |       | TOP          |
| CALIPER           | FILTER ( )       | medium (1) |       | TOP          |
| CN MED RES        | FILTER ( )       | medium (1) |       | TOP          |
| ZDL MED RES       | FILTER (hrd1*)   | medium     |       | TOP          |
|                   | FILTER (hrd12*)  | medium     |       | TOP          |
|                   | FILTER (hrd1s*)  | medium     |       | TOP          |
|                   | FILTER (hrd1s2*) | medium     |       | TOP          |
|                   | FILTER (hrd2*)   | medium     |       | TOP          |
|                   | FILTER (hrd22*)  | medium     |       | TOP          |
|                   | FILTER (hrd2s*)  | medium     |       | TOP          |
|                   | FILTER (hrd2s2*) | medium     |       | TOP          |

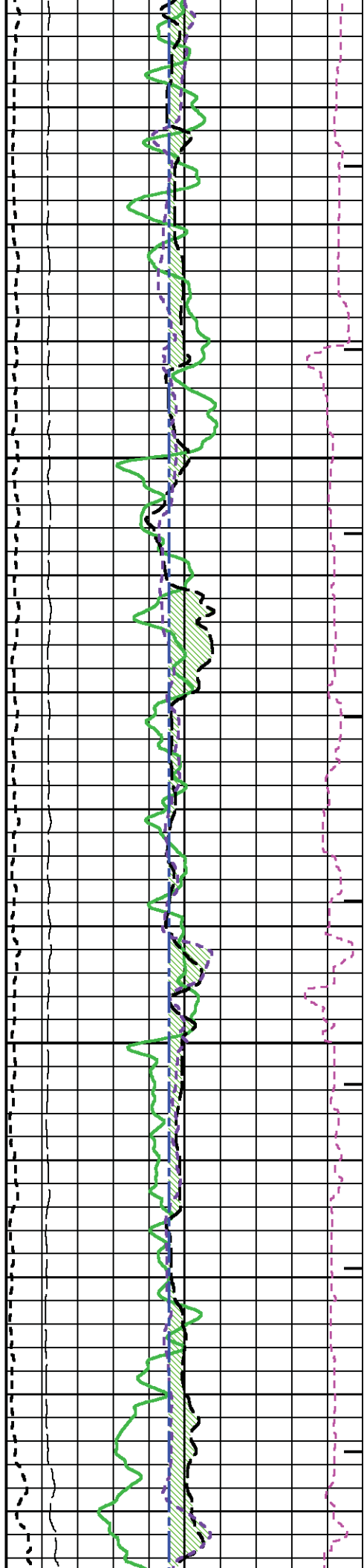
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------|------------------------------------------------------|-----------------------------------------------|------|------------------|-----------|----------------------|----------|--------------|------|----------------------|---------------------------------------|---------|------|----------------------|---------------------------------------|--------|------|----------------------|--------------------|---------|-------|----------------------|------------------------------------------------------|--------|------|----------------------|-------------------------------|---------------------|------|----------------------|-------------------------------|------------|------|----------------------|-----------|------------------------|----------|----------------------|-------------|-------|----|----------------------|------------------------------|--------|---------------|----------------------|------------------------------------------|---------|--------------|----------------------|-------------------------------|----------|-------|----------------------|----------------------------------------|----------------|-----|----------------------|----------------------|---------|------|----------------------|-------------------------|-----------|-------|----------------------|--------------------------------|--|--|--|--|-------------------------------------------------------|----------|---------|----|-----|---------------------------|-------------|--|--------|-------------------------------|-----------------------|---------|----|-----|--|--|--|--------|------------------------|---------|--|--|-----|--|--|--|--------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           | METERS               |                                                      | <div>TOOL STICKING</div> <div>GR BACKUP</div> |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| <div>Project : /data/dde/215445</div> <div>User : tuyan</div> <div>Presentation : colsunsv3:/data/dde/215445/zdl2_mln_ss.pdf [1:240 Scale]</div> <div>Data File 1 : f1 : colsunsv3:/export/data/dde/215445/slam_mln.xft</div> <div>Created On : Jan 29 21:27:27 2013</div> <div>Company : MGN ENERGY CORP</div> <div>Well : MGN SHELL EAST MACKAY I-78</div> <div>Field : EAST MACKAY</div> <div>File Interval : -37.2618 - 406.184 Meters</div> <div>Oct : m980g</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                      |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| <table><tr><td>BIT</td><td>0.00</td><td>CNCS</td><td>12.50</td><td>PE</td><td>9.64</td><td>TEN</td><td>0.00</td></tr><tr><td>CALX</td><td>9.64</td><td>CR2</td><td>9.64</td><td>PE2</td><td>5.49</td><td>ZCOR</td><td>9.64</td></tr><tr><td>CALY</td><td>5.49</td><td>CR22</td><td>5.49</td><td>PZSS</td><td>9.64</td><td>ZCOR2</td><td>5.49</td></tr><tr><td>CHT</td><td>0.00</td><td>GR</td><td>33.76</td><td>PZSS2</td><td>5.49</td><td></td><td></td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |                      |                                                      |                                               |      | BIT              | 0.00      | CNCS                 | 12.50    | PE           | 9.64 | TEN                  | 0.00                                  | CALX    | 9.64 | CR2                  | 9.64                                  | PE2    | 5.49 | ZCOR                 | 9.64               | CALY    | 5.49  | CR22                 | 5.49                                                 | PZSS   | 9.64 | ZCOR2                | 5.49                          | CHT                 | 0.00 | GR                   | 33.76                         | PZSS2      | 5.49 |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| BIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.00                      | CNCS                 | 12.50                                                | PE                                            | 9.64 | TEN              | 0.00      |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CALX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 9.64                      | CR2                  | 9.64                                                 | PE2                                           | 5.49 | ZCOR             | 9.64      |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CALY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 5.49                      | CR22                 | 5.49                                                 | PZSS                                          | 9.64 | ZCOR2            | 5.49      |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 0.00                      | GR                   | 33.76                                                | PZSS2                                         | 5.49 |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CURVE MEASURE POINT OFFSET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                      |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| <table><tr><td>F1:BIT</td><td>BIT</td><td>Jan 29 21:27:27 2013</td><td>BIT SIZE</td></tr><tr><td>F1:CALX</td><td>CALX</td><td>Jan 29 21:27:27 2013</td><td>CALIPER FROM X AXIS OF X-Y CALIPER(S)</td></tr><tr><td>F1:CALY</td><td>CALY</td><td>Jan 29 21:27:27 2013</td><td>CALIPER FROM Y AXIS OF X-Y CALIPER(S)</td></tr><tr><td>F1:CHT</td><td>CHT</td><td>Jan 29 21:27:27 2013</td><td>CABLE HEAD TENSION</td></tr><tr><td>F1:CNCS</td><td>CNCS</td><td>Jan 29 21:27:27 2013</td><td>BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY</td></tr><tr><td>F1:CR2</td><td>CR2</td><td>Jan 29 21:27:27 2013</td><td>FOCUS CALIPER FROM SHORT ARM</td></tr><tr><td>F1:CR22</td><td>CR22</td><td>Jan 29 21:27:27 2013</td><td>SLIM Z CALIPER FROM SHORT ARM</td></tr><tr><td>F1:GR</td><td>GR</td><td>Jan 29 21:27:27 2013</td><td>GAMMA RAY</td></tr><tr><td>F1:MMRK</td><td>MMRK</td><td>Jan 29 21:27:27 2013</td><td>MINUTE MARK</td></tr><tr><td>F1:PE</td><td>PE</td><td>Jan 29 21:27:27 2013</td><td>PHOTO ELECTRIC CROSS-SECTION</td></tr><tr><td>F1:PE2</td><td>PE2</td><td>Jan 29 21:27:27 2013</td><td>SECOND TOOL PHOTO ELECTRIC CROSS-SECTION</td></tr><tr><td>F1:PZSS</td><td>PZSS</td><td>Jan 29 21:27:27 2013</td><td>POROSITY FOR SANDSTONE MATRIX</td></tr><tr><td>F1:PZSS2</td><td>PZSS2</td><td>Jan 29 21:27:27 2013</td><td>2ND TOOL POROSITY FOR SANDSTONE MATRIX</td></tr><tr><td>F1:TEN</td><td>TEN</td><td>Jan 29 21:27:27 2013</td><td>DIFFERENTIAL TENSION</td></tr><tr><td>F1:ZCOR</td><td>ZCOR</td><td>Jan 29 21:27:27 2013</td><td>DENSITY CORRECTION</td></tr><tr><td>F1:ZCOR2</td><td>ZCOR2</td><td>Jan 29 21:27:27 2013</td><td>SECOND TOOL DENSITY CORRECTION</td></tr></table>                                                                                                                                                       |                           |                      |                                                      |                                               |      | F1:BIT           | BIT       | Jan 29 21:27:27 2013 | BIT SIZE | F1:CALX      | CALX | Jan 29 21:27:27 2013 | CALIPER FROM X AXIS OF X-Y CALIPER(S) | F1:CALY | CALY | Jan 29 21:27:27 2013 | CALIPER FROM Y AXIS OF X-Y CALIPER(S) | F1:CHT | CHT  | Jan 29 21:27:27 2013 | CABLE HEAD TENSION | F1:CNCS | CNCS  | Jan 29 21:27:27 2013 | BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY | F1:CR2 | CR2  | Jan 29 21:27:27 2013 | FOCUS CALIPER FROM SHORT ARM  | F1:CR22             | CR22 | Jan 29 21:27:27 2013 | SLIM Z CALIPER FROM SHORT ARM | F1:GR      | GR   | Jan 29 21:27:27 2013 | GAMMA RAY | F1:MMRK                | MMRK     | Jan 29 21:27:27 2013 | MINUTE MARK | F1:PE | PE | Jan 29 21:27:27 2013 | PHOTO ELECTRIC CROSS-SECTION | F1:PE2 | PE2           | Jan 29 21:27:27 2013 | SECOND TOOL PHOTO ELECTRIC CROSS-SECTION | F1:PZSS | PZSS         | Jan 29 21:27:27 2013 | POROSITY FOR SANDSTONE MATRIX | F1:PZSS2 | PZSS2 | Jan 29 21:27:27 2013 | 2ND TOOL POROSITY FOR SANDSTONE MATRIX | F1:TEN         | TEN | Jan 29 21:27:27 2013 | DIFFERENTIAL TENSION | F1:ZCOR | ZCOR | Jan 29 21:27:27 2013 | DENSITY CORRECTION      | F1:ZCOR2  | ZCOR2 | Jan 29 21:27:27 2013 | SECOND TOOL DENSITY CORRECTION |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:BIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | BIT                       | Jan 29 21:27:27 2013 | BIT SIZE                                             |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CALX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CALX                      | Jan 29 21:27:27 2013 | CALIPER FROM X AXIS OF X-Y CALIPER(S)                |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CALY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CALY                      | Jan 29 21:27:27 2013 | CALIPER FROM Y AXIS OF X-Y CALIPER(S)                |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CHT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CHT                       | Jan 29 21:27:27 2013 | CABLE HEAD TENSION                                   |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CNCS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CNCS                      | Jan 29 21:27:27 2013 | BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | CR2                       | Jan 29 21:27:27 2013 | FOCUS CALIPER FROM SHORT ARM                         |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:CR22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CR22                      | Jan 29 21:27:27 2013 | SLIM Z CALIPER FROM SHORT ARM                        |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:GR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | GR                        | Jan 29 21:27:27 2013 | GAMMA RAY                                            |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:MMRK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MMRK                      | Jan 29 21:27:27 2013 | MINUTE MARK                                          |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:PE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | PE                        | Jan 29 21:27:27 2013 | PHOTO ELECTRIC CROSS-SECTION                         |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:PE2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | PE2                       | Jan 29 21:27:27 2013 | SECOND TOOL PHOTO ELECTRIC CROSS-SECTION             |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:PZSS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PZSS                      | Jan 29 21:27:27 2013 | POROSITY FOR SANDSTONE MATRIX                        |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:PZSS2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PZSS2                     | Jan 29 21:27:27 2013 | 2ND TOOL POROSITY FOR SANDSTONE MATRIX               |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:TEN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | TEN                       | Jan 29 21:27:27 2013 | DIFFERENTIAL TENSION                                 |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:ZCOR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | ZCOR                      | Jan 29 21:27:27 2013 | DENSITY CORRECTION                                   |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| F1:ZCOR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ZCOR2                     | Jan 29 21:27:27 2013 | SECOND TOOL DENSITY CORRECTION                       |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CURVE DESCRIPTION REPORT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                           |                      |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| <table><tr><td>DENSITY POROSITY</td><td>PARAMETER</td><td>VALUE</td><td>UNITS</td><td>INTERVAL (m)</td></tr><tr><td rowspan="2"></td><td>Air Filled Borehole</td><td>NO</td><td></td><td></td></tr><tr><td>RHOfluid</td><td>1.000</td><td>g/cm3</td><td>TOP</td></tr><tr><td rowspan="2">ZDL PROCESSING</td><td>RHOmatrix (sand)</td><td>2.650</td><td>g/cm3</td><td>BOTTOM</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">CN CASING &amp; CEMENT CORRECTION</td><td>BOREHOLE CORRECTION</td><td>ON</td><td></td><td></td></tr><tr><td>CORRECTION</td><td>OFF</td><td></td><td></td></tr><tr><td rowspan="2">CN BOREHOLE CORRECTION</td><td>SALINITY</td><td>0</td><td>ppm</td><td>TOP</td></tr><tr><td></td><td></td><td></td><td>BOTTOM</td></tr><tr><td rowspan="2">CN PROCESSING</td><td>PARAMETER</td><td>VALUE</td><td>UNITS</td><td>INTERVAL (m)</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">ACCEL CORR SWITCH</td><td>ACCEL DEPTH CORR</td><td>CORRECTION OFF</td><td></td><td>TOP</td></tr><tr><td></td><td></td><td></td><td>BOTTOM</td></tr><tr><td rowspan="2">ACCELERATION PROCESSING</td><td>PARAMETER</td><td>VALUE</td><td>UNITS</td><td>INTERVAL (m)</td></tr><tr><td></td><td></td><td></td><td></td></tr><tr><td rowspan="2">X-Y COMBINED CALIPER PROCESSING-FOCMY Caliper - FOCUS</td><td>BIT SIZE</td><td>311.000</td><td>mm</td><td>TOP</td></tr><tr><td>CALIPER/FIXED DIA. (cnb*)</td><td>USE CALIPER</td><td></td><td>BOTTOM</td></tr><tr><td rowspan="2">BOREHOLE CORR DIAMETER SOURCE</td><td>FIXED DIAMETER (cnb*)</td><td>311.000</td><td>mm</td><td>TOP</td></tr><tr><td></td><td></td><td></td><td>BOTTOM</td></tr><tr><td rowspan="2">BOREHOLE CORR DIAMETER</td><td>Average</td><td></td><td></td><td>TOP</td></tr><tr><td></td><td></td><td></td><td>BOTTOM</td></tr></table> |                           |                      |                                                      |                                               |      | DENSITY POROSITY | PARAMETER | VALUE                | UNITS    | INTERVAL (m) |      | Air Filled Borehole  | NO                                    |         |      | RHOfluid             | 1.000                                 | g/cm3  | TOP  | ZDL PROCESSING       | RHOmatrix (sand)   | 2.650   | g/cm3 | BOTTOM               |                                                      |        |      |                      | CN CASING & CEMENT CORRECTION | BOREHOLE CORRECTION | ON   |                      |                               | CORRECTION | OFF  |                      |           | CN BOREHOLE CORRECTION | SALINITY | 0                    | ppm         | TOP   |    |                      |                              | BOTTOM | CN PROCESSING | PARAMETER            | VALUE                                    | UNITS   | INTERVAL (m) |                      |                               |          |       | ACCEL CORR SWITCH    | ACCEL DEPTH CORR                       | CORRECTION OFF |     | TOP                  |                      |         |      | BOTTOM               | ACCELERATION PROCESSING | PARAMETER | VALUE | UNITS                | INTERVAL (m)                   |  |  |  |  | X-Y COMBINED CALIPER PROCESSING-FOCMY Caliper - FOCUS | BIT SIZE | 311.000 | mm | TOP | CALIPER/FIXED DIA. (cnb*) | USE CALIPER |  | BOTTOM | BOREHOLE CORR DIAMETER SOURCE | FIXED DIAMETER (cnb*) | 311.000 | mm | TOP |  |  |  | BOTTOM | BOREHOLE CORR DIAMETER | Average |  |  | TOP |  |  |  | BOTTOM |
| DENSITY POROSITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PARAMETER                 | VALUE                | UNITS                                                | INTERVAL (m)                                  |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RHOfluid                  | 1.000                | g/cm3                                                | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| ZDL PROCESSING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | RHOmatrix (sand)          | 2.650                | g/cm3                                                | BOTTOM                                        |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
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| CN CASING & CEMENT CORRECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | BOREHOLE CORRECTION       | ON                   |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CORRECTION                | OFF                  |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CN BOREHOLE CORRECTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | SALINITY                  | 0                    | ppm                                                  | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                      |                                                      | BOTTOM                                        |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| CN PROCESSING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PARAMETER                 | VALUE                | UNITS                                                | INTERVAL (m)                                  |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
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| ACCEL CORR SWITCH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ACCEL DEPTH CORR          | CORRECTION OFF       |                                                      | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
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| ACCELERATION PROCESSING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PARAMETER                 | VALUE                | UNITS                                                | INTERVAL (m)                                  |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                      |                                                      |                                               |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| X-Y COMBINED CALIPER PROCESSING-FOCMY Caliper - FOCUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | BIT SIZE                  | 311.000              | mm                                                   | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CALIPER/FIXED DIA. (cnb*) | USE CALIPER          |                                                      | BOTTOM                                        |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| BOREHOLE CORR DIAMETER SOURCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FIXED DIAMETER (cnb*)     | 311.000              | mm                                                   | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                      |                                                      | BOTTOM                                        |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
| BOREHOLE CORR DIAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Average                   |                      |                                                      | TOP                                           |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                           |                      |                                                      | BOTTOM                                        |      |                  |           |                      |          |              |      |                      |                                       |         |      |                      |                                       |        |      |                      |                    |         |       |                      |                                                      |        |      |                      |                               |                     |      |                      |                               |            |      |                      |           |                        |          |                      |             |       |    |                      |                              |        |               |                      |                                          |         |              |                      |                               |          |       |                      |                                        |                |     |                      |                      |         |      |                      |                         |           |       |                      |                                |  |  |  |  |                                                       |          |         |    |     |                           |             |  |        |                               |                       |         |    |     |  |  |  |        |                        |         |  |  |     |  |  |  |        |

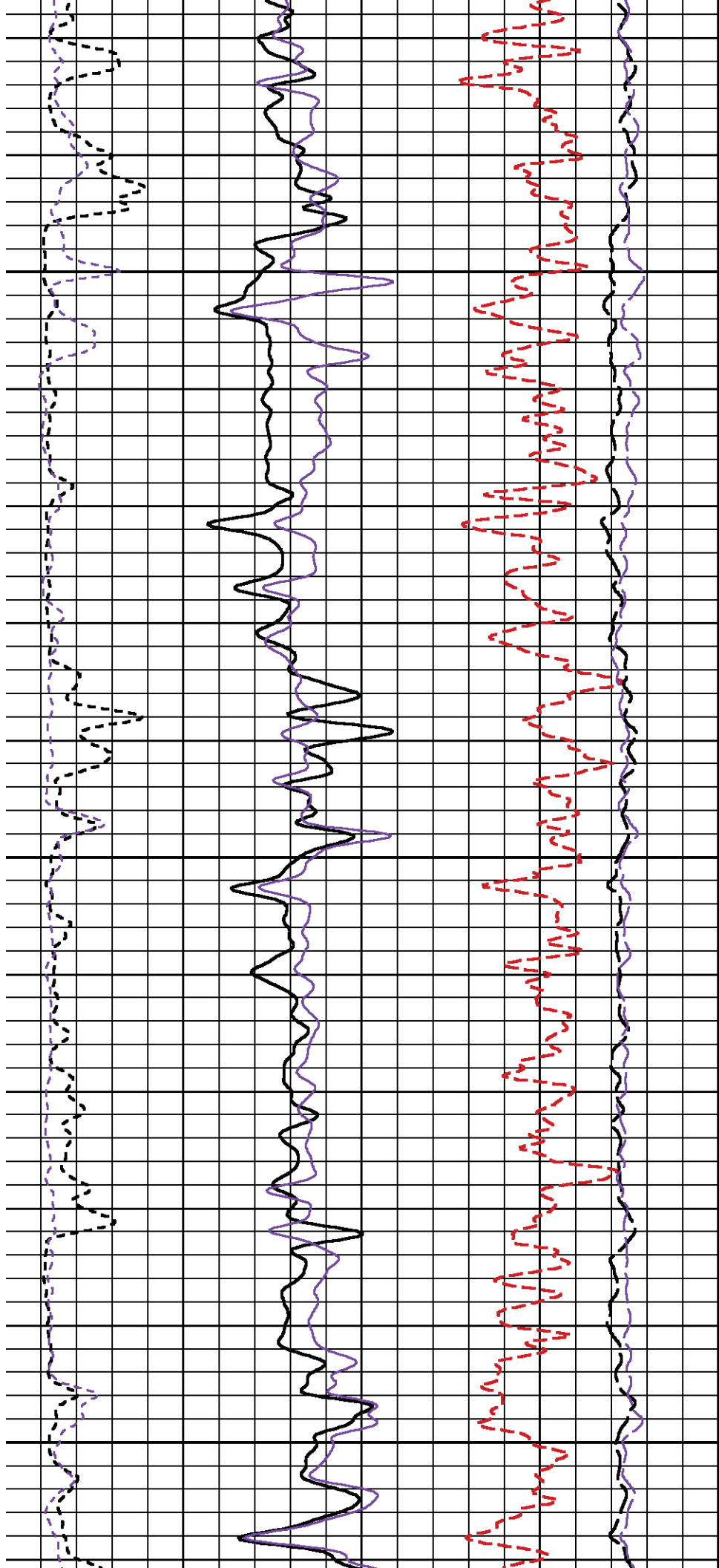




75

100

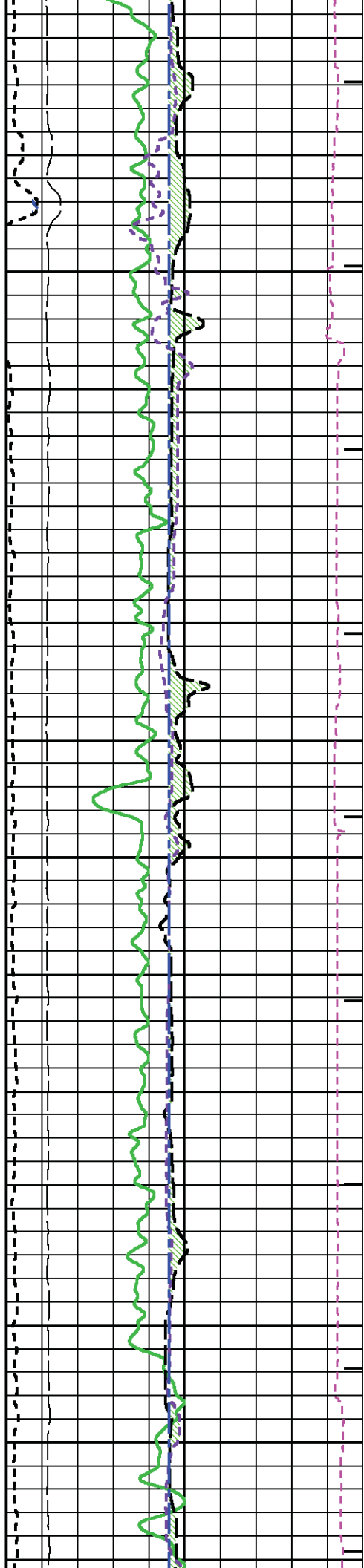


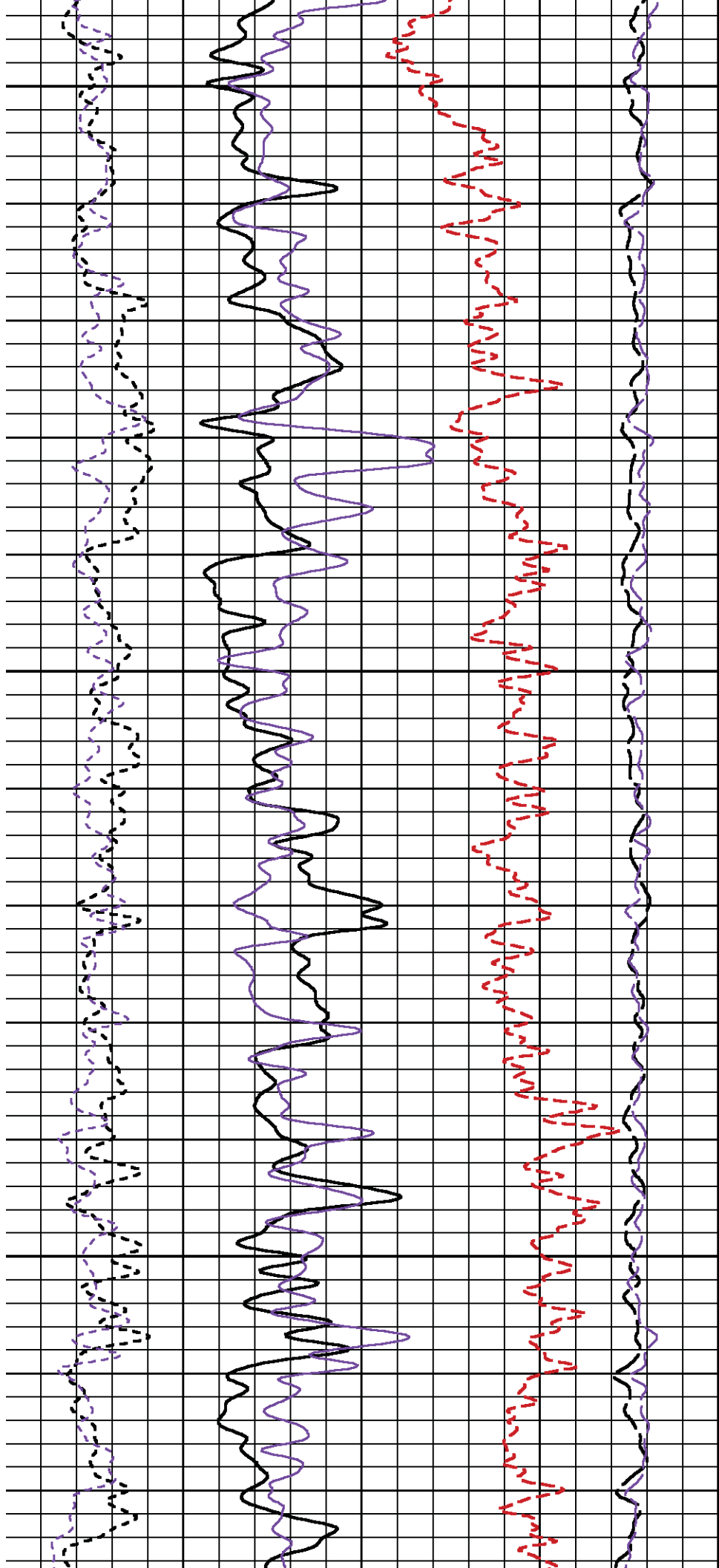


125

150

175

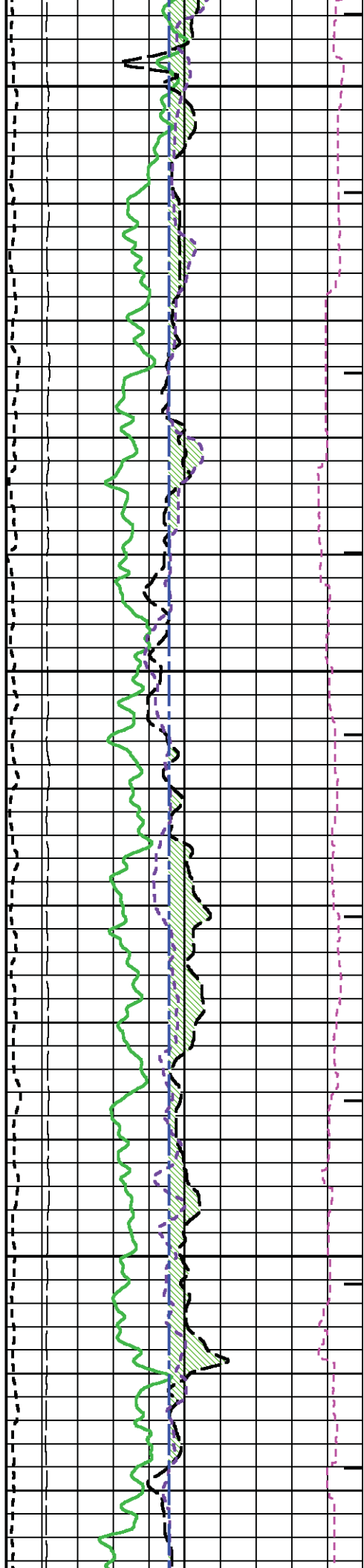


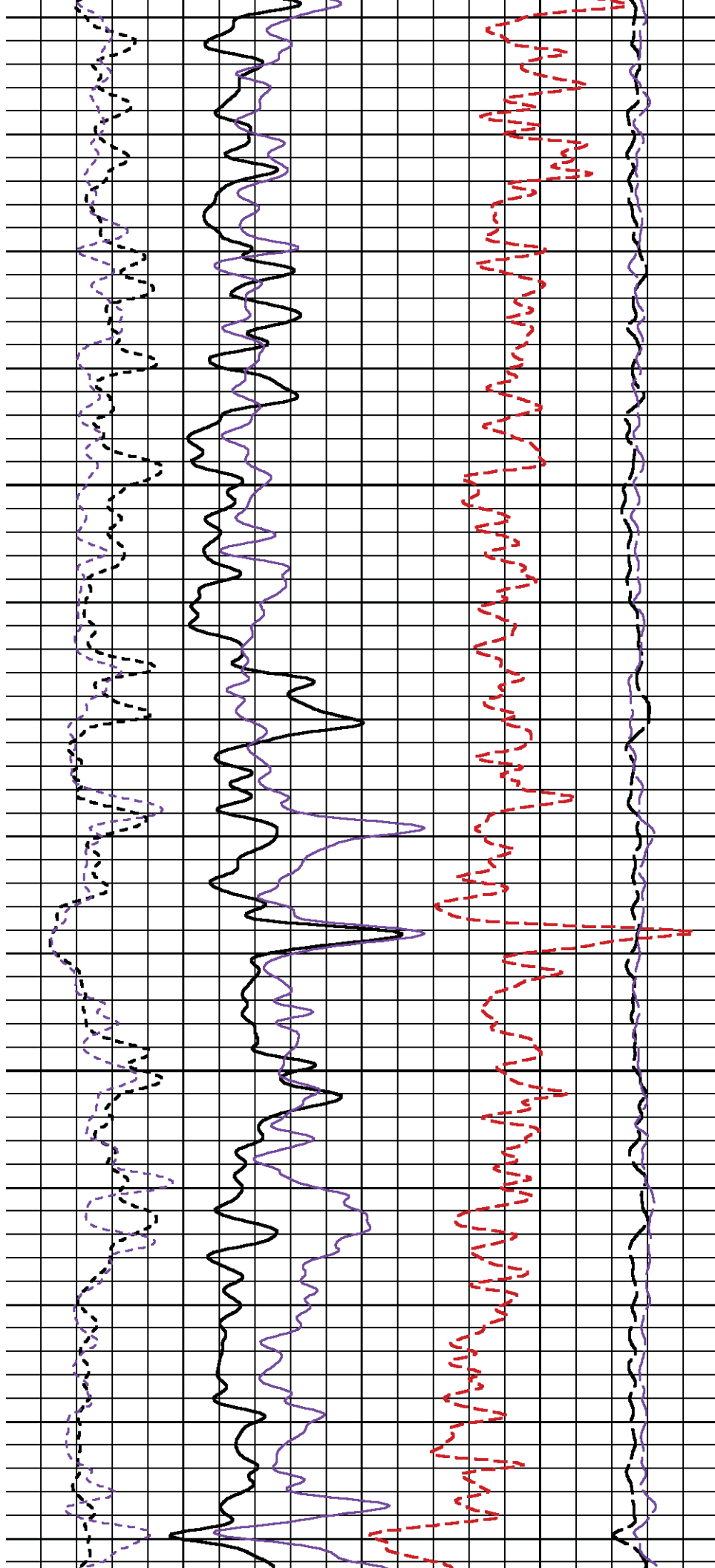


200

225

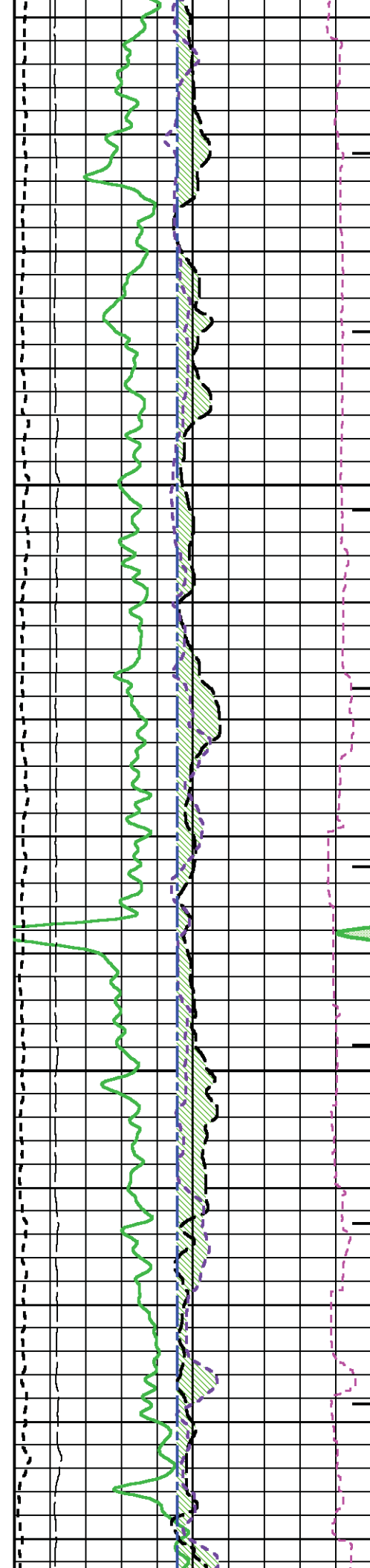
250

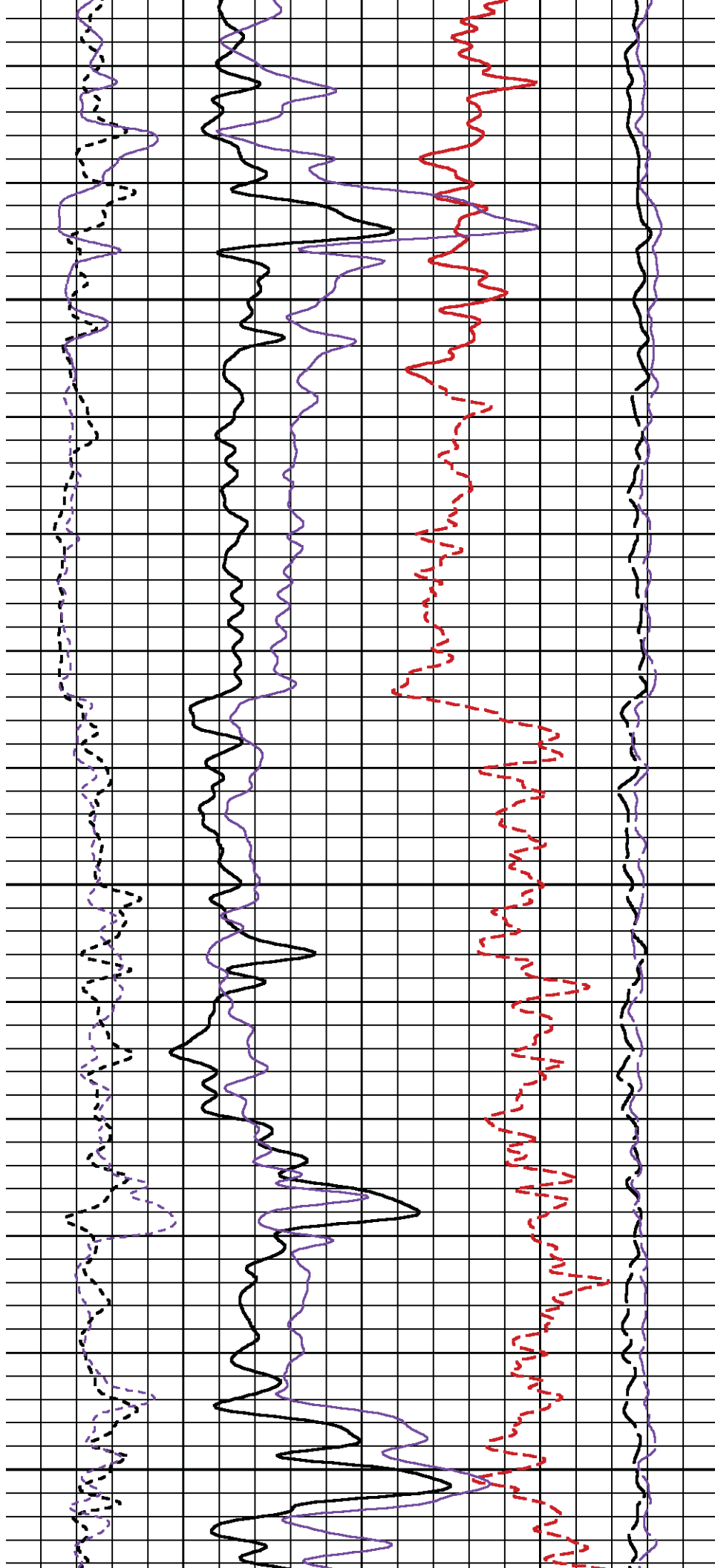




275

300

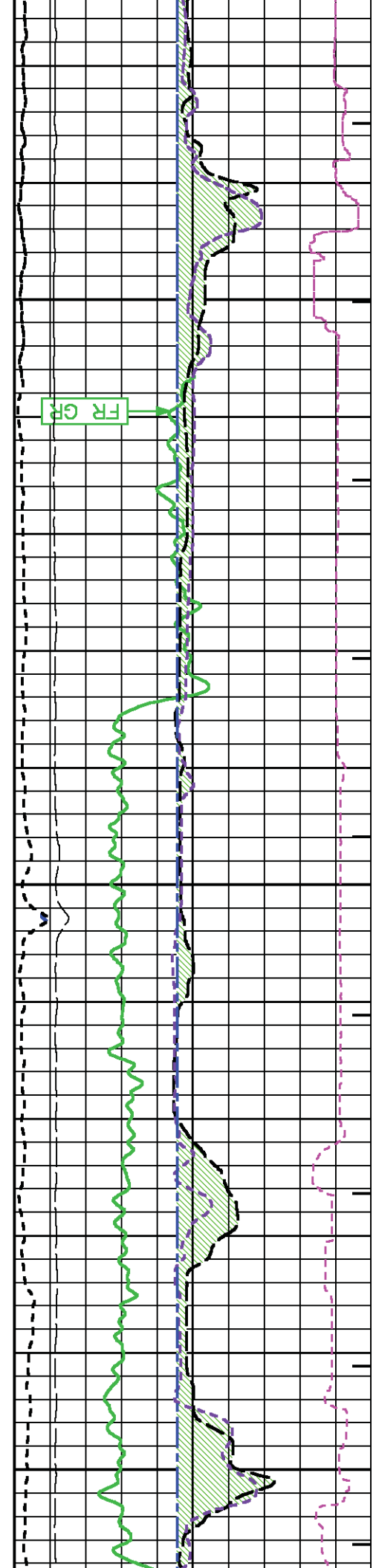


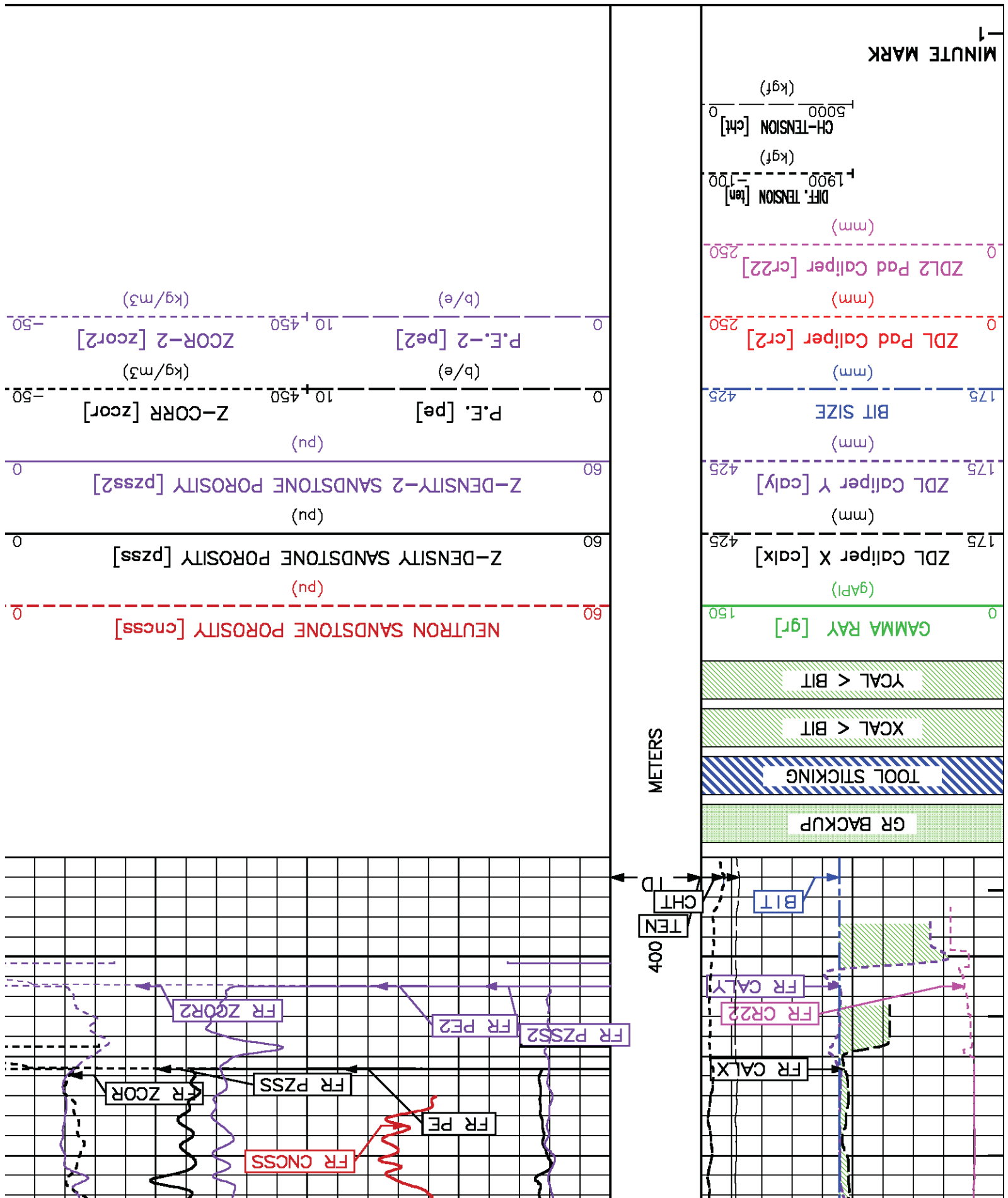


325

350

375





PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g06.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: 224.703 m BOTTOM DEPTH: 341.552 m

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

|     |                 |        |     |     |
|-----|-----------------|--------|-----|-----|
| CHT | FILTER (        | medium | (1) | TOP |
|     | TENSION         | medium | (1) | TOP |
|     | GR              | medium | (1) | TOP |
|     | CALIPER         | medium | (1) | TOP |
|     | CN MED RES      | medium | (1) | TOP |
|     | ZDL MED RES     | medium | (1) | TOP |
|     | FILTER (hrd1*   | medium |     | TOP |
|     | FILTER (hrd12*  | medium |     | TOP |
|     | FILTER (hrd1s*  | medium |     | TOP |
|     | FILTER (hrd1s2* | medium |     | TOP |
|     | FILTER (hrd2*   | medium |     | TOP |
|     | FILTER (hrd22*  | medium |     | TOP |

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

|                                   |                                                       |                            |    |     |
|-----------------------------------|-------------------------------------------------------|----------------------------|----|-----|
| CASING - BOREHOLE & CEMENT VOLUME | CASING O.D.                                           | 244.500                    | mm | TOP |
|                                   | CASING THICKNESS                                      | 0.000                      | mm | TOP |
|                                   | BIT SIZE                                              | 311.000                    | mm | TOP |
|                                   | BOREHOLE CORR DIAMETER SOURCE                         | CALIPER/FIXED DIA. (cnbh*) |    | TOP |
|                                   | BOREHOLE CORR DIAMETER                                | FIXED DIAMETER (cnbh*)     |    | TOP |
|                                   | X-Y COMBINED CALIPER PROCESSING-FOCMY Caliper - FOCUS | Average                    |    | TOP |
|                                   |                                                       | 311.000                    | mm | TOP |
|                                   |                                                       | USE CALIPER                |    | TOP |
|                                   |                                                       | 311.000                    | mm | TOP |
|                                   |                                                       | 0.000                      | mm | TOP |
|                                   |                                                       | 244.500                    | mm | TOP |
|                                   |                                                       | 311.000                    | mm | TOP |

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

ACCEL CORR SWITCH

ACCEL DEPTH CORR

CORRECTION OFF

CORRECTION ON

TOP 340.309

340.309 BOTTOM

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

|                        |                               |         |     |     |
|------------------------|-------------------------------|---------|-----|-----|
| CN BOREHOLE CORRECTION | SALINITY                      | 0       | ppm | TOP |
|                        | BOREHOLE CORRECTION           | ON      |     | TOP |
|                        | CORRECTION                    | OFF     |     | TOP |
|                        | BIT SIZE BEHIND CSNG          | 500.000 | mm  | TOP |
|                        | CN CASING & CEMENT CORRECTION |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |
|                        |                               |         |     | TOP |

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

|                  |                     |       |       |     |
|------------------|---------------------|-------|-------|-----|
| DENSITY POROSITY | Air Filled Borehole | NO    |       | TOP |
|                  | RHOfluid            | 1.000 | g/cm3 | TOP |
|                  | RHOmatrix (sand)    | 2.650 | g/cm3 | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |
|                  |                     |       |       | TOP |

PARAMETER AND FILTER SUMMARY REPORT

FILE: /export/data/ddc/215445/m980g07.prm  
LOGGING MODE: DEPTH DIRECTION: UP  
TOP DEPTH: -0.989 m BOTTOM DEPTH: 405.844 m

| MEASUREMENT TYPE | PARAMETER | VALUE | UNITS | INTERVAL (m) |
|------------------|-----------|-------|-------|--------------|
|------------------|-----------|-------|-------|--------------|

|                            |            |       |            |       |            |       |            |
|----------------------------|------------|-------|------------|-------|------------|-------|------------|
| BIT                        | 0.00       | CNCS  | 12.50      | PE    | 9.64       | TEN   | 0.00       |
| CALX                       | 9.64       | CR2   | 5.49       | PZSS  | 9.64       | ZCOR  | 9.64       |
| CALY                       | 5.49       | CR22  | 5.49       | PZSS2 | 5.49       | ZCOR2 | 5.49       |
| CHT                        | 0.00       | GR    | 33.76      |       |            |       |            |
| CURVE                      | OFFSET (m) | CURVE | OFFSET (m) | CURVE | OFFSET (m) | CURVE | OFFSET (m) |
| CURVE MEASURE POINT OFFSET |            |       |            |       |            |       |            |

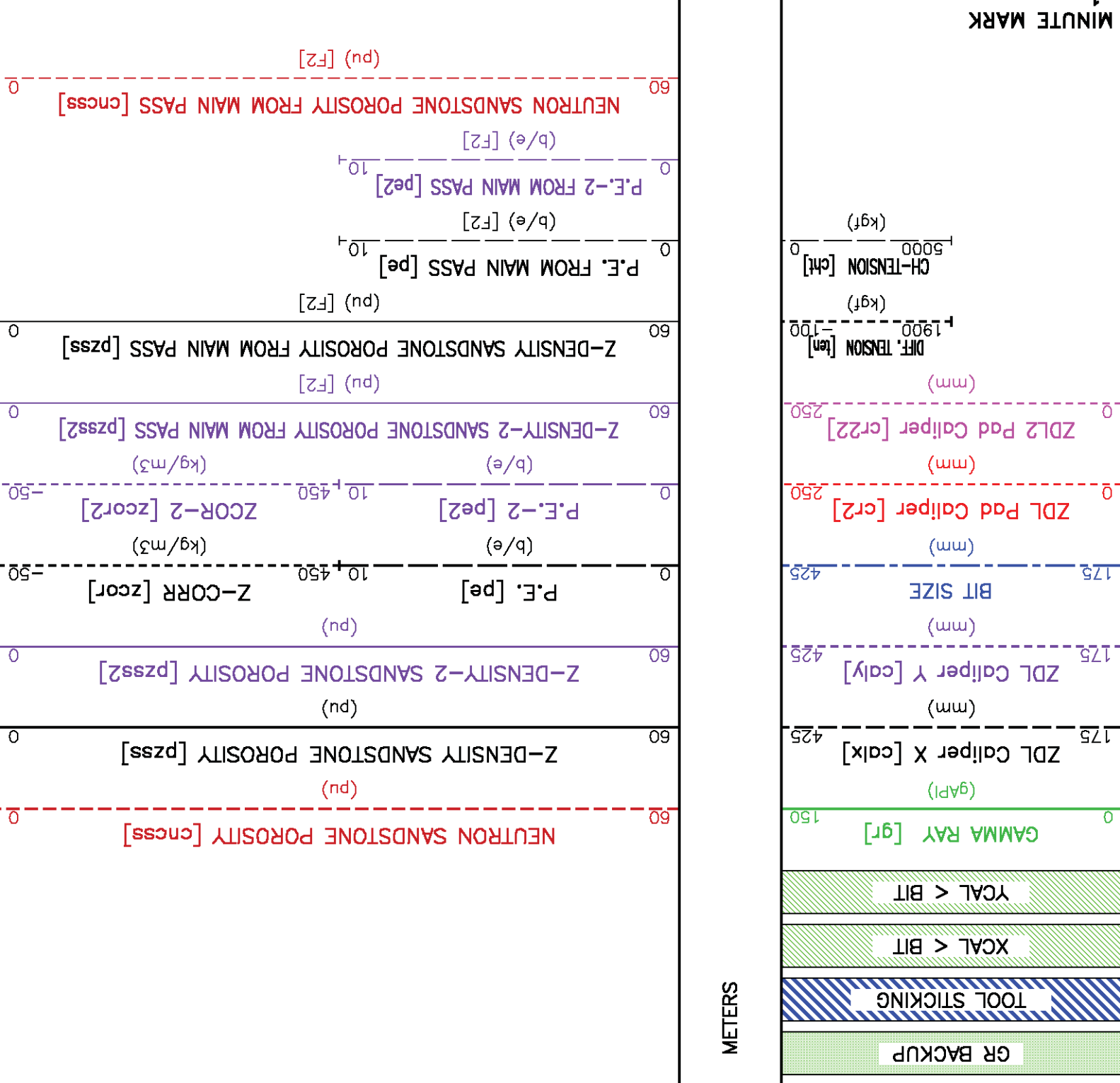
|          |                      |        |                      |                                                      |  |
|----------|----------------------|--------|----------------------|------------------------------------------------------|--|
| F1:BIT   | Jan 29 20:52:41 2013 | BIT    | Jan 29 20:52:41 2013 | BIT SIZE                                             |  |
| F1:CALX  | Jan 29 20:52:41 2013 | CALX   | Jan 29 20:52:41 2013 | CALIPER FROM X AXIS OF X-Y CALIPER(S)                |  |
| F1:CALY  | Jan 29 20:52:41 2013 | CALY   | Jan 29 20:52:41 2013 | CALIPER FROM Y AXIS OF X-Y CALIPER(S)                |  |
| F1:CHT   | Jan 29 20:52:41 2013 | CHT    | Jan 29 20:52:41 2013 | CABLE HEAD TENSION                                   |  |
| F1:CNCS  | Jan 29 20:52:41 2013 | CNCS   | Jan 29 20:52:41 2013 | BH SIZE CORR. SANDSTONE COMPENSATED NEUTRON POROSITY |  |
| F1:CR2   | Jan 29 20:52:41 2013 | CR2    | Jan 29 20:52:41 2013 | FOCUS CALIPER FROM SHORT ARM                         |  |
| F1:CR22  | Jan 29 20:52:41 2013 | CR22   | Jan 29 20:52:41 2013 | SLIM Z CALIPER FROM SHORT ARM                        |  |
| F1:GR    | Jan 29 20:52:41 2013 | GR     | Jan 29 20:52:41 2013 | GAMMA RAY                                            |  |
| F1:MMRK  | Jan 29 20:52:41 2013 | MMRK   | Jan 29 20:52:41 2013 | MINUTE MARK                                          |  |
| F2:PE    | Jan 29 21:27:27 2013 | PE01   | Jan 29 21:27:27 2013 | PHOTO ELECTRIC CROSS-SECTION                         |  |
| F2:PE2   | Jan 29 21:27:27 2013 | PE201  | Jan 29 21:27:27 2013 | SECOND TOOL PHOTO ELECTRIC CROSS-SECTION             |  |
| F2:PZSS  | Jan 29 21:27:27 2013 | PZSS01 | Jan 29 21:27:27 2013 | POROSITY FOR SANDSTONE MATRIX                        |  |
| F1:PZSS2 | Jan 29 20:52:41 2013 | PZSS2  | Jan 29 20:52:41 2013 | 2ND TOOL POROSITY FOR SANDSTONE MATRIX               |  |
| F1:TEN   | Jan 29 20:52:41 2013 | TEN    | Jan 29 20:52:41 2013 | DIFFERENTIAL TENSION                                 |  |
| F1:ZCOR  | Jan 29 20:52:41 2013 | ZCOR   | Jan 29 20:52:41 2013 | DENSITY CORRECTION                                   |  |
| F1:ZCOR2 | Jan 29 20:52:41 2013 | ZCOR2  | Jan 29 20:52:41 2013 | SECOND TOOL DENSITY CORRECTION                       |  |

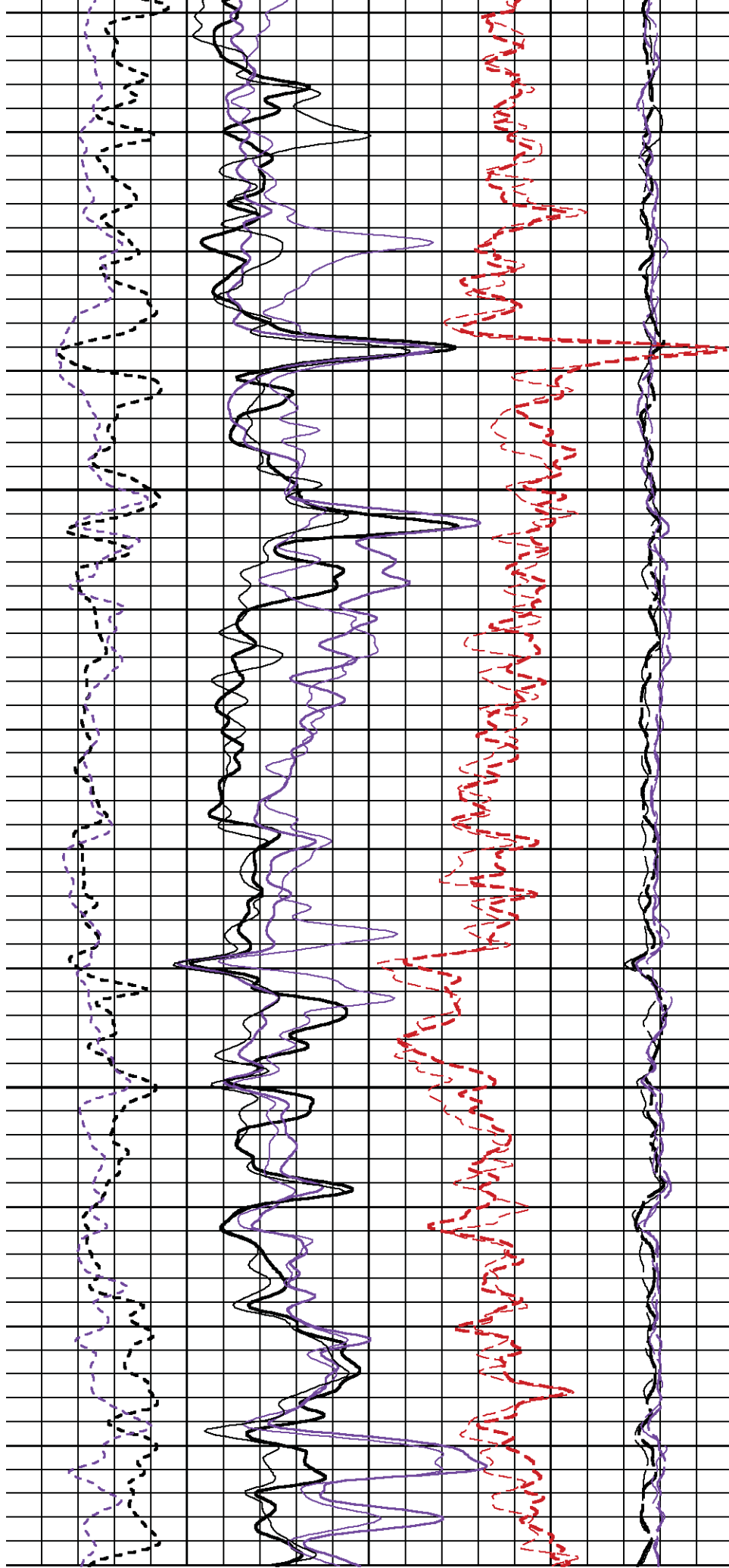
|                          |             |               |                   |
|--------------------------|-------------|---------------|-------------------|
| CURVE NAME               | CURVE ALIAS | CREATION DATE | CURVE DESCRIPTION |
| CURVE DESCRIPTION REPORT |             |               |                   |

| MEASUREMENT TYPE                                      |  | PARAMETER                  |  | VALUE          |  | UNITS   |  | INTERVAL (m) |        |
|-------------------------------------------------------|--|----------------------------|--|----------------|--|---------|--|--------------|--------|
| ZDL PROCESSING                                        |  |                            |  |                |  |         |  |              |        |
| CN BOREHOLE CORRECTION                                |  | SALINITY                   |  | 0              |  | ppm     |  | TOP          | BOTTOM |
| CN CASING & CEMENT CORRECTION                         |  | BOREHOLE CORRECTION        |  | ON             |  |         |  | TOP          | BOTTOM |
|                                                       |  | CORRECTION                 |  | OFF            |  | 500.000 |  | mm           |        |
|                                                       |  | BIT SIZE BEHIND CSNG       |  |                |  |         |  |              |        |
| DENSITY POROSITY                                      |  | Air Filled Borehole        |  | NO             |  | 1.000   |  | g/cm3        | TOP    |
|                                                       |  | RHOfluid                   |  |                |  | 2.650   |  | g/cm3        | BOTTOM |
|                                                       |  | RHOmatrix (sand)           |  |                |  |         |  |              |        |
| MEASUREMENT TYPE                                      |  | PARAMETER                  |  | VALUE          |  | UNITS   |  | INTERVAL (m) |        |
| CN PROCESSING                                         |  |                            |  |                |  |         |  |              |        |
| ACCEL CORR SWITCH                                     |  | ACCEL DEPTH CORR           |  | CORRECTION OFF |  |         |  | TOP          | BOTTOM |
| MEASUREMENT TYPE                                      |  | PARAMETER                  |  | VALUE          |  | UNITS   |  | INTERVAL (m) |        |
| ACCELERATION PROCESSING                               |  |                            |  |                |  |         |  |              |        |
| CASING - BOREHOLE & CEMENT VOLUME                     |  | CASING O.D.                |  | 244.500        |  | mm      |  | TOP          | BOTTOM |
|                                                       |  | CASING THICKNESS           |  | 0.000          |  | mm      |  |              |        |
|                                                       |  | BIT SIZE                   |  | 311.000        |  | mm      |  |              |        |
| BOREHOLE CORR DIAMETER SOURCE                         |  | CALIPER/FIXED DIA. (cnbh*) |  | USE CALIPER    |  |         |  |              |        |
| BOREHOLE CORR DIAMETER                                |  | FIXED DIAMETER (cnbh*)     |  | 311.000        |  | mm      |  |              |        |
| X-Y COMBINED CALIPER PROCESSING-FOCUS CALIPER - FOCUS |  | Average                    |  |                |  |         |  |              |        |
| MEASUREMENT TYPE                                      |  | PARAMETER                  |  | VALUE          |  | UNITS   |  | INTERVAL (m) |        |
| BOREHOLE & CEMENT                                     |  |                            |  |                |  |         |  |              |        |

|             |                  |        |     |        |
|-------------|------------------|--------|-----|--------|
| CHT         | FILTER (1)       | medium | TOP | BOTTOM |
| TENSION     | FILTER (1)       | medium | TOP | BOTTOM |
| GR          | FILTER (1)       | medium | TOP | BOTTOM |
| CALIPER     | FILTER (1)       | medium | TOP | BOTTOM |
| CN MED RES  | FILTER (1)       | medium | TOP | BOTTOM |
| ZDL MED RES | FILTER (hrd1*)   | medium | TOP | BOTTOM |
|             | FILTER (hrd12*)  | medium | TOP | BOTTOM |
|             | FILTER (hrd1s*)  | medium | TOP | BOTTOM |
|             | FILTER (hrd1s2*) | medium | TOP | BOTTOM |
|             | FILTER (hrd2*)   | medium | TOP | BOTTOM |
|             | FILTER (hrd22*)  | medium | TOP | BOTTOM |
|             | FILTER (hrd2s*)  | medium | TOP | BOTTOM |
|             | FILTER (hrd2s2*) | medium | TOP | BOTTOM |

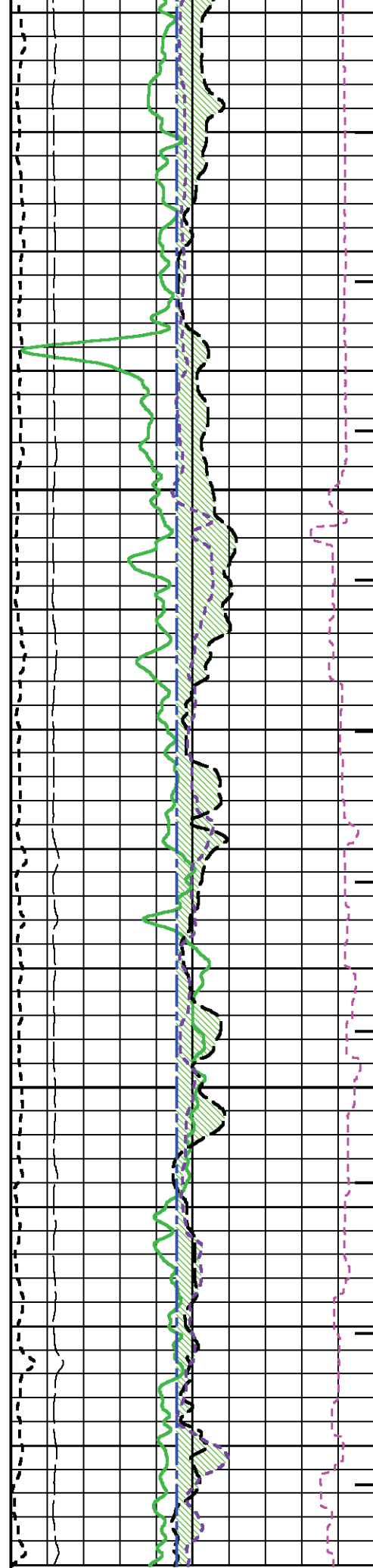
|               |                                                          |            |                        |
|---------------|----------------------------------------------------------|------------|------------------------|
| Project       | /data/ddc/215445                                         | User       | huyen                  |
| Presentation  | colsunsv3:/data/ddc/215445/zdl2_rpt_cs.pdf [1:240 Scale] |            |                        |
| Plot Interval | : 250 - - 325 Meters                                     |            |                        |
| Data File 1   | F1 : colsunsv3:/export/data/ddc/215445/slam_rpt.xtf      | Created On | : Jan 29 20:52:41 2013 |
| Company       | MGM ENERGY CORP                                          |            |                        |
| Well          | MGM SHELL EAST MACKAY I-78                               |            |                        |
| Field         | EAST MACKAY                                              |            |                        |
| File Interval | : 188.671 - - 342.519 Meters                             |            |                        |
| Oct           | : m980g                                                  |            |                        |
| Data File 2   | F2 : colsunsv3:/export/data/ddc/215445/slam_moin.xtf     | Created On | : Jan 29 21:27:27 2013 |
| Company       | MGM ENERGY CORP                                          |            |                        |
| Well          | MGM SHELL EAST MACKAY I-78                               |            |                        |
| Field         | EAST MACKAY                                              |            |                        |
| File Interval | : -37.2618 - - 406.184 Meters                            |            |                        |
| Oct           | : m980g                                                  |            |                        |





250

275





# CALIBRATION / VERIFICATION SUMMARY

Source File: /data/MGM/run1-ph/m980g\_cols.tp1

The graph is a coordinate system with a vertical axis labeled '(kgf)' and a horizontal axis labeled 'MINUTE MARK'. The vertical axis has a scale from 0 to 5000 with major tick marks every 1000 units. The horizontal axis has a scale from 0 to 1 with major tick marks every 0.2 units.

100

GR (cts/s) 145.09 1035.84 0.171 24.83 177.26 152.43 (gAPI) (gAPI) (gAPI) (gAPI) (gAPI) (gAPI) BACKGOUND CALIBR CN MULT

CN PRIMARY CALIBRATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Sun Jan 13 18:44:58 2013

UNIT #: RCR 10274 CALIBRATOR #: 2437XB 112675 SOURCE #: 4718XA N-1234

SSN 4800.31 LSN 823.98 SSN/LSN 5.82573 MCF 0.98477 CNRATIO 5.73700 CN 25.241 DT CPS DT CPS

CN BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Tue Jan 29 18:38:13 2013 DAYS SINCE CAL: 15

UNIT #: 3815SA 008672 CALIBRATOR #: INTRNL N/A

SSN 991.40 LSN 993.76 SSN/LSN 0.99762 TEMP 18.2 (degC) HV 1357.1 (V) LV 4.605 DT CPS DT CPS

CN AFTER LOG VERIFICATION SUMMARY

TOOL #: 2436XA 10105638 DATE/TIME PERFORMED: Tue Jan 29 22:25:32 2013 DAYS SINCE CAL: 16

UNIT #: 3815SA 008672 CALIBRATOR #: INTRNL N/A

SSN 955.77 LSN 957.68 SSN/LSN 0.99801 TEMP 24.8 (degC) HV 1357.1 (V) LV 4.608 DT CPS DT CPS

CAL PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Fri Jan 18 17:30:07 2013

UNIT #: S23 8672

SIZE VALUE MULTIPLIER ADD SMALL RING (Arm) 177.800 1199.6 (mm)

LARGE RING (Arm) 279.400 2200.0 0.10156 55.96938

PAD CLOSED 1723.2 0.06350 -109.42319

CAL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:24:27 2013 DAYS SINCE CAL: 11

UNIT #: 3815SA 008672

VALUE MULTIPLIER ADD SIZE

ARM 2402.4 0.10156 55.96938 300.0 (mm)

PAD 1708.4 0.06350 -109.42319 -0.9

ACTUAL MEASURED

DIA METER (arm+pad) 311.000 (mm)

314.0 (mm)

300.8 321.2

CAL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:25:39 2013 DAYS SINCE CAL: 11

UNIT #: 3815SA 008672

VALUE MULTIPLIER ADD SIZE

ARM 2401.2 0.10156 55.96938 299.8 (mm)

PAD 1708.8 0.06350 -109.42319 -0.9

ACTUAL MEASURED

DIA METER (arm+pad) 311.000 (mm)

313.9 (mm)

300.8 321.2

ZDL PRIMARY CALIBRATION SUMMARY

TOOL: 2223XA 10391896 DATE/TIME PERFORMED: Sun Jan 13 18:12:46 2013

UNIT: S23 8672 CALB BLKS: 2225XA 094290 CS SRC: 4705XA 16107B PAD TYPE: PADTYP 7.5" PAD

SS CS PK LS CS PK SS BKGD LS BKGD

(Channel) (Channel) (cps) (cps)

|       |       |        |        |
|-------|-------|--------|--------|
| 224.0 | 224.9 | 1404.6 | 1628.9 |
| 220.0 | 220.0 | 230.0  |        |

|                   |       |         |         |       |          |         |       |
|-------------------|-------|---------|---------|-------|----------|---------|-------|
| SS                | (cps) | 38709.2 | 14552.3 | 0.751 | 1697.000 | 0.000   | 1.900 |
| AL                |       | 24264.8 | 1636.8  |       | 2657.000 | -16.000 |       |
| AL + SHIM         |       | 32324.1 | 2851.1  |       | 2548.000 | 98.000  |       |
| MG + SHIM (HI PE) |       | 19185.1 | 6952.3  | 0.294 |          |         | 8.550 |
|                   |       |         |         | 0.280 |          |         |       |
|                   |       |         |         | 0.360 |          |         |       |

RATIO AL + SHIM/AL

|      |      |      |      |
|------|------|------|------|
| 1.33 | 1.40 | 1.60 | 1.74 |
| 1.58 | 1.70 | 8.55 | 9.55 |

RATIO MG/AL

## ZDL BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 19:44:18 2013 DAYS SINCE CAL: 16

UNIT #: 3815SA 008672

|       |           |         |         |        |
|-------|-----------|---------|---------|--------|
| TOTAL | (cps)     | 3342.1  | 224.8   | 1390.2 |
| LS    |           | 3332.1  | 220.0   | 1250.0 |
| SS    |           | 22355.0 | 224.1   | 1470.8 |
|       |           | 22344.8 | 22364.8 | 1250.0 |
|       |           | 220.0   | 230.0   | 1550.0 |
| CSPK  | (Channel) |         |         |        |
| HV    | (V)       |         |         |        |

LV PAD CURRENT

|     |     |       |      |
|-----|-----|-------|------|
| 5.0 | 5.2 | 50.0  | 85.3 |
| 4.8 |     | 120.0 |      |

## ZDL AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10391896 DATE/TIME PERFORMED: Tue Jan 29 22:25:53 2013 DAYS SINCE CAL: 16

UNIT #: 3815SA 008672

|       |           |         |         |        |
|-------|-----------|---------|---------|--------|
| TOTAL | (cps)     | 3342.1  | 224.9   | 1393.7 |
| LS    |           | 3332.1  | 220.0   | 1250.0 |
| SS    |           | 22354.8 | 224.2   | 1478.3 |
|       |           | 22344.8 | 22364.8 | 1250.0 |
|       |           | 220.0   | 230.0   | 1550.0 |
| CSPK  | (Channel) |         |         |        |
| HV    | (V)       |         |         |        |

LV PAD CURRENT

|     |     |       |      |
|-----|-----|-------|------|
| 5.0 | 5.2 | 50.0  | 86.4 |
| 4.8 |     | 120.0 |      |

CAL[2] PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10102923

DATE/TIME PERFORMED: Fri Jan 18 18:11:06 2013

UNIT #: S23 8672

|                  |         |            |            |
|------------------|---------|------------|------------|
| SIZE             | VALUE   | MULTIPLIER | ADD        |
| SMALL RING (Arm) | 177.800 |            | 1040.0     |
| LARGE RING (Arm) | 279.400 | 0.09961    | 74.20783   |
| PAD CLOSED       | 1784.0  | 0.06350    | -113.28400 |

CAL[2] BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10102923

DATE/TIME PERFORMED: Tue Jan 29 22:24:24 2013

UNIT #: 3815SA 008672

|                 |         |            |            |
|-----------------|---------|------------|------------|
| SIZE            | VALUE   | MULTIPLIER | ADD        |
| ARM             | 2524.0  | 0.09961    | 74.20783   |
| PAD             | 2400.0  | 0.06350    | -113.28400 |
| ACTUAL MEASURED | 380.000 |            | 379.7      |
|                 |         |            | 369.8      |
|                 |         |            | 390.2      |

CAL[2] AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10102923

DATE/TIME PERFORMED: Tue Jan 29 22:25:06 2013

UNIT #: 3815SA 008672

|                 |         |            |            |
|-----------------|---------|------------|------------|
| SIZE            | VALUE   | MULTIPLIER | ADD        |
| ARM             | 2524.0  | 0.09961    | 74.20783   |
| PAD             | 2400.0  | 0.06350    | -113.28400 |
| ACTUAL MEASURED | 380.000 |            | 379.7      |
|                 |         |            |            |
|                 |         |            |            |

ZDL[2] PRIMARY CALIBRATION SUMMARY

TOOL #: 2223XA 10102923 DATE/TIME PERFORMED: Sat Jan 12 20:19:02 2013

UNIT: S23 8672 CALB BLKS: 2225XA 094290 CS SRC: 4705XA 18204B PAD TYPE: PADTYP 7.5" PAD

|          |           |        |       |       |
|----------|-----------|--------|-------|-------|
| SS CS PK | (channel) | 224.6  | 230.0 | 220.0 |
| LS CS PK | (channel) | 224.7  | 230.0 | 220.0 |
| SS BKGD  | (cps)     | 1149.5 |       |       |
| LS BKGD  | (cps)     | 1466.0 |       |       |

|      |         |         |         |       |       |       |
|------|---------|---------|---------|-------|-------|-------|
| SS   | (cps)   | 39084.9 | 14425.4 | 0.733 | 0.720 | 0.890 |
| LS   | (cps)   |         |         |       |       |       |
| SHR  | (kg/m3) |         |         |       |       |       |
| DEN  | (kg/m3) |         |         |       |       |       |
| CORR | (kg/m3) |         |         |       |       |       |
| PE   | (b/e)   |         |         |       |       |       |

AL

|         |        |          |          |         |
|---------|--------|----------|----------|---------|
| 32297.3 | 2817.2 | 2548.000 | 2657.000 | -16.000 |
|---------|--------|----------|----------|---------|

AL + SHIM

|         |        |          |          |         |
|---------|--------|----------|----------|---------|
| 32297.3 | 2817.2 | 2548.000 | 2657.000 | -16.000 |
|---------|--------|----------|----------|---------|

MG + SHIM (HI PE)

|         |        |       |       |       |
|---------|--------|-------|-------|-------|
| 19158.4 | 6839.7 | 0.285 | 0.280 | 0.360 |
|---------|--------|-------|-------|-------|

RATIO AL + SHIM/AL

|      |      |      |      |
|------|------|------|------|
| 1.33 | 1.40 | 1.60 | 1.80 |
| 1.75 |      |      |      |

RATIO MG/AL

|      |      |      |      |
|------|------|------|------|
| 1.61 | 1.70 | 8.55 | 9.55 |
| 8.94 |      |      |      |

ZDL[2] BEFORE LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10102923 DATE/TIME PERFORMED: Tue Jan 29 19:44:14 2013 DAYS SINCE CAL: 16

UNIT #: 3815SA 008672

|       |           |        |        |         |         |        |        |        |        |
|-------|-----------|--------|--------|---------|---------|--------|--------|--------|--------|
| TOTAL | (cps)     | 3342.4 | 3332.1 | 22344.8 | 22364.8 | 220.0  | 230.0  | 1250.0 | 1550.0 |
| CSPK  | (Channel) | 224.9  | 230.0  | 220.0   | 224.2   | 1250.0 | 1550.0 |        |        |
| HV    | (V)       | 1478.0 |        |         | 1454.0  |        |        |        |        |

LS

SS

|             |      |      |     |      |       |
|-------------|------|------|-----|------|-------|
| LV          | (V)  | 5.0  | 5.2 | 50.0 | 120.0 |
| PAD CURRENT | (mA) | 86.4 |     |      |       |

ZDL[2] AFTER LOG VERIFICATION SUMMARY

TOOL #: 2223XA 10102923 DATE/TIME PERFORMED: Tue Jan 29 22:25:48 2013 DAYS SINCE CAL: 17

|                                                                                       |  |                       |  |                            |  |                       |  |
|---------------------------------------------------------------------------------------|--|-----------------------|--|----------------------------|--|-----------------------|--|
|  |  | LAT 64.795            |  | LONG -125.722              |  | DATE 29-JAN-2013      |  |
| LOCATION:                                                                             |  | GL 155.00 M           |  | DF 161.2 M                 |  | KB 1202               |  |
| ELEVATIONS:                                                                           |  | L1202                 |  | L1202                      |  | L1202                 |  |
| COMPANY                                                                               |  | MGM ENERGY CORP       |  | MGM SHELL EAST MACKAY I-78 |  | EAST MACKAY           |  |
| WELL                                                                                  |  | NORTHWEST TERRITORIES |  | NORTHWEST TERRITORIES      |  | NORTHWEST TERRITORIES |  |
| FIELD                                                                                 |  | API NO:               |  | API NO:                    |  | API NO:               |  |
| PROVINCE                                                                              |  | FILE NO:              |  | FILE NO:                   |  | FILE NO:              |  |

|                       |  |  |  |  |        |  |  |  |  |
|-----------------------|--|--|--|--|--------|--|--|--|--|
| UNIT #: 38155A 008672 |  |  |  |  |        |  |  |  |  |
| TOTAL                 |  |  |  |  | CSPK   |  |  |  |  |
| HV                    |  |  |  |  | HV     |  |  |  |  |
| 3342.1                |  |  |  |  | 224.8  |  |  |  |  |
| 3332.1                |  |  |  |  | 220.0  |  |  |  |  |
| 22355.0               |  |  |  |  | 224.1  |  |  |  |  |
| 22344.8               |  |  |  |  | 220.0  |  |  |  |  |
| 22364.8               |  |  |  |  | 230.0  |  |  |  |  |
| 1494.8                |  |  |  |  | 1467.5 |  |  |  |  |
| 1550.0                |  |  |  |  | 1550.0 |  |  |  |  |
| 3332.1                |  |  |  |  | 1250.0 |  |  |  |  |
| 3332.1                |  |  |  |  | 1250.0 |  |  |  |  |
| 22344.8               |  |  |  |  | 1250.0 |  |  |  |  |
| 22364.8               |  |  |  |  | 1250.0 |  |  |  |  |
| 220.0                 |  |  |  |  | 120.0  |  |  |  |  |
| 5.0                   |  |  |  |  | 86.4   |  |  |  |  |
| 5.2                   |  |  |  |  | 50.0   |  |  |  |  |
| 4.8                   |  |  |  |  | 120.0  |  |  |  |  |