

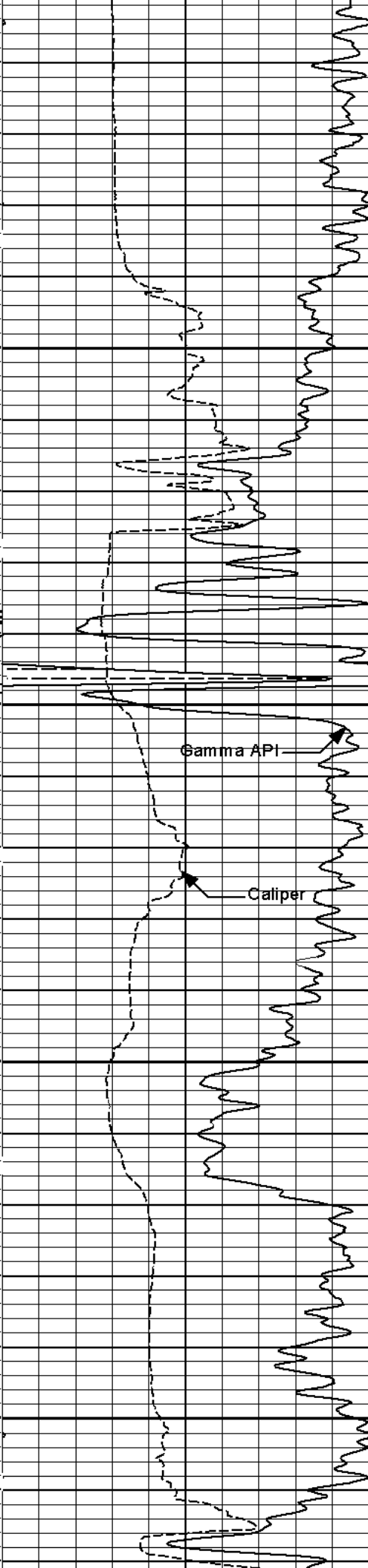
## MICROLOG

Fold here

|                                         |            |              |  |                              |  |                            |                 |                                         |           |                 |       |
|-----------------------------------------|------------|--------------|--|------------------------------|--|----------------------------|-----------------|-----------------------------------------|-----------|-----------------|-------|
| Service Ticket No.: 8287001             |            |              |  | API Serial No.: 15-007-23726 |  |                            |                 | PGM Version: WL INSITE R3.2.0 (Build 7) |           |                 |       |
| CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE |            |              |  |                              |  | RESISTIVITY SCALE CHANGES  |                 |                                         |           |                 |       |
| Date                                    | Sample No. |              |  |                              |  | Type Log                   | Depth           | Scale Up Hole                           |           | Scale Down Hole |       |
| Depth-Driller                           |            |              |  |                              |  |                            |                 |                                         |           |                 |       |
| Type Fluid in Hole                      |            |              |  |                              |  |                            |                 |                                         |           |                 |       |
| Density                                 | Viscosity  |              |  |                              |  |                            |                 |                                         |           |                 |       |
| Ph                                      | Fluid Loss |              |  |                              |  |                            |                 |                                         |           |                 |       |
| Source of Sample                        |            |              |  |                              |  | RESISTIVITY EQUIPMENT DATA |                 |                                         |           |                 |       |
| Rm @ Meas. Temp                         |            | @            |  | @                            |  | Run No.                    | Tool Type & No. | Pad Type                                | Tool Pos. |                 | Other |
| Rmf @ Meas. Temp.                       |            | @            |  | @                            |  | ONE                        | MICRO P84       | RUBBER                                  | ADJ.      |                 | N/A   |
| Rmc @ Meas. Temp.                       |            | @            |  | @                            |  |                            |                 |                                         |           |                 |       |
| Source Rmf                              | Rmc        |              |  |                              |  |                            |                 |                                         |           |                 |       |
| Rm @ BHT                                |            | @            |  | @                            |  |                            |                 |                                         |           |                 |       |
| Rmf @ BHT                               |            | @            |  | @                            |  |                            |                 |                                         |           |                 |       |
| Rmc @ BHT                               |            | @            |  | @                            |  |                            |                 |                                         |           |                 |       |
| EQUIPMENT DATA                          |            |              |  |                              |  |                            |                 |                                         |           |                 |       |
| GAMMA                                   |            | ACOUSTIC     |  |                              |  | DENSITY                    |                 | NEUTRON                                 |           |                 |       |
| Run No.                                 | ONE        | Run No.      |  | Run No.                      |  | Run No.                    |                 | Run No.                                 |           |                 |       |
| Serial No.                              | 11048627   | Serial No.   |  | Serial No.                   |  | Serial No.                 |                 | Serial No.                              |           |                 |       |
| Model No.                               | GTET       | Model No.    |  | Model No.                    |  | Model No.                  |                 | Model No.                               |           |                 |       |
| Diameter                                | 3.625      | No. of Cent. |  | Diameter                     |  | Diameter                   |                 | Diameter                                |           |                 |       |
| Detector Model No.                      | T-102      | Spacing      |  | Log Type                     |  | Log Type                   |                 | Log Type                                |           |                 |       |
| Type                                    | SCINT      |              |  | Source Type                  |  | Source Type                |                 | Source Type                             |           |                 |       |
| Length                                  | 8"         | LSA [Y/N]    |  | Serial No.                   |  | Serial No.                 |                 | Serial No.                              |           |                 |       |
| Distance to Source                      | 10'        | FWDA [Y/N]   |  | Strength                     |  | Strength                   |                 | Strength                                |           |                 |       |
| LOGGING DATA                            |            |              |  |                              |  |                            |                 |                                         |           |                 |       |

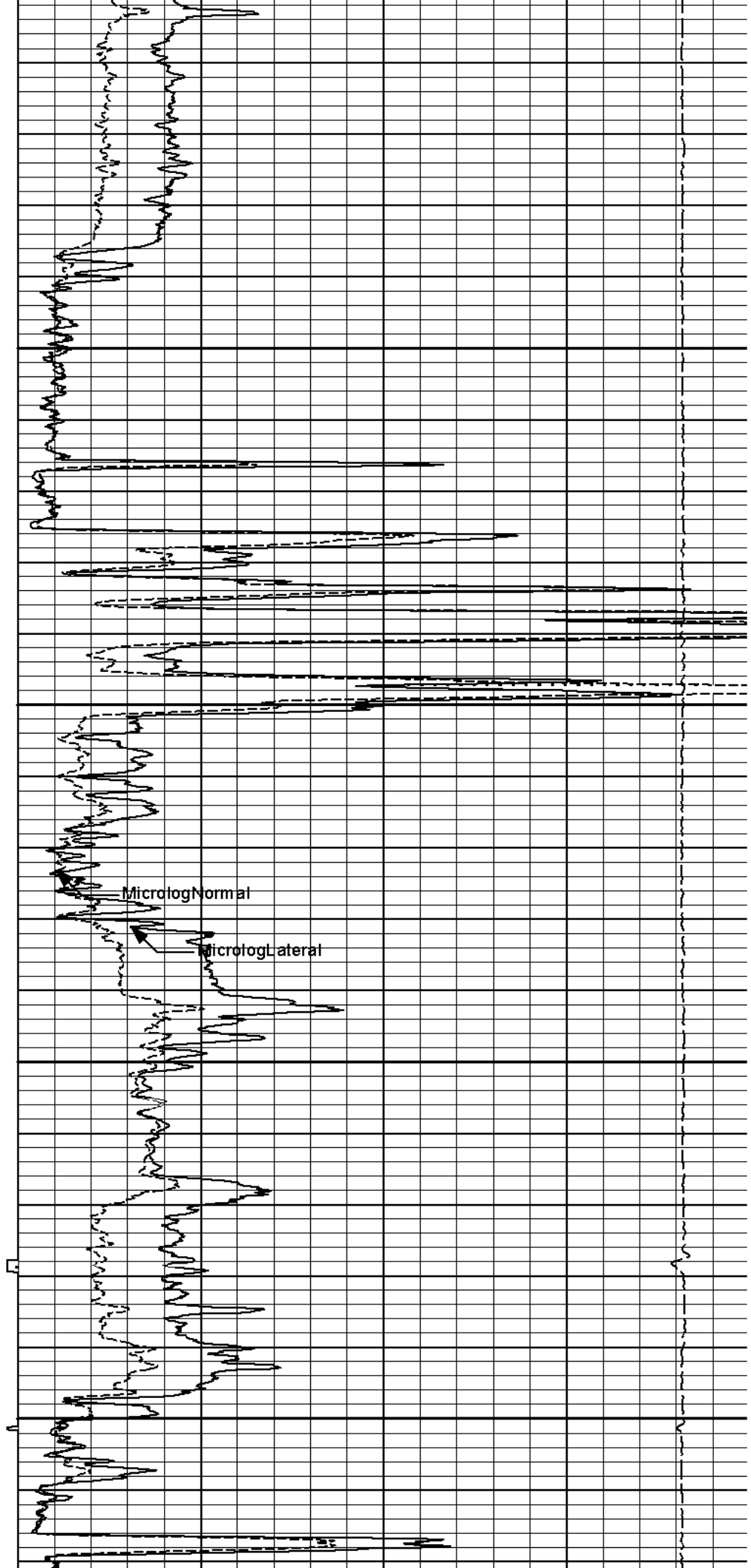
| GENERAL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |        | GAMMA |     | ACOUSTIC |   | DENSITY |       | NEUTRON |        |       |   |        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|-------|-----|----------|---|---------|-------|---------|--------|-------|---|--------|
| Run                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Depth |      | Speed  | Scale |     | Scale    |   | Matrix  | Scale |         | Matrix | Scale |   | Matrix |
| No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | From  | To   | ft/min | L     | R   | L        | R |         | L     | R       |        | L     | R |        |
| ONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | TD    | 3250 | REC    | 0     | 150 |          |   |         |       |         |        |       |   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| DIRECTIONAL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| Maximum Deviation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       |      |        |       |     |          |   | @       | KOP   |         |        |       | @ |        |
| Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| CHLORIDES: 9000 PPM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| GPS COORDINATES: LAT: 37.19 N LONG: 98.32 W                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| TODAY'S CREW: K. KING, V. JAIME                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES, LIBERAL, KS 620-624-8123                                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| HALLIBURTON DOES NOT GUARANTEE THE ACCURACY OF ANY INTERPRETATION OF THE LOG DATA, CONVERSION OF LOG DATA TO PHYSICAL ROCK PARAMETERS OR RECOMMENDATIONS WHICH MAY BE GIVEN BY HALLIBURTON PERSONNEL OR WHICH APPEAR ON THE LOG OR IN ANY OTHER FORM. ANY USER OF SUCH DATA, INTERPRETATIONS, CONVERSIONS, OR RECOMMENDATIONS AGREES THAT HALLIBURTON IS NOT RESPONSIBLE EXCEPT WHERE DUE TO GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, FOR ANY LOSS, DAMAGES, OR EXPENSES RESULTING FROM THE USE THEREOF. |       |      |        |       |     |          |   |         |       |         |        |       |   |        |
| HALLIBURTON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |      |        |       |     |          |   |         |       |         |        |       |   |        |

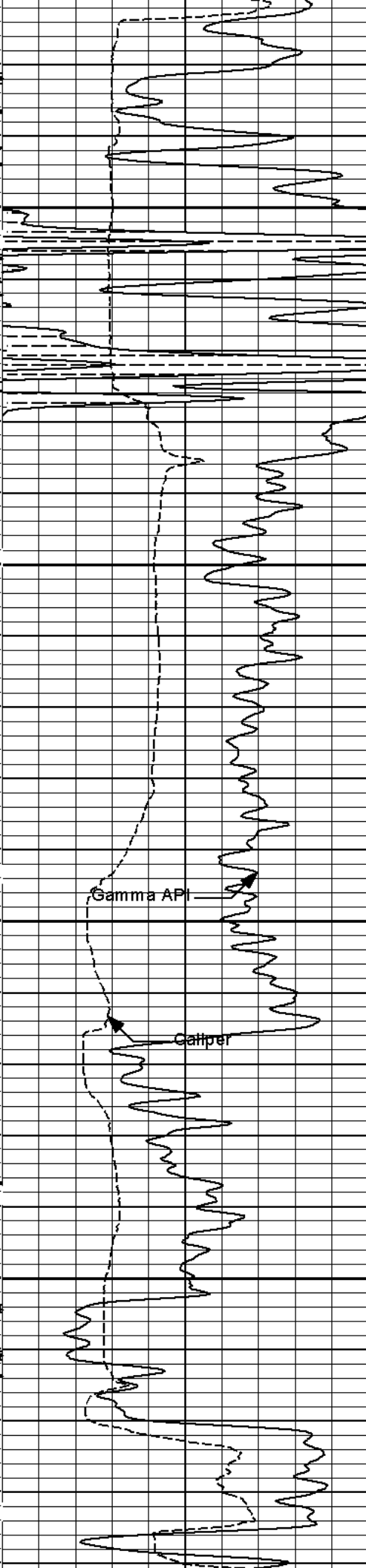
|                 |  |                   |                      |  |  |
|-----------------|--|-------------------|----------------------|--|--|
|                 |  |                   | PERMEABLE            |  |  |
| SHALE           |  | Tension Pull      | 0 MicrologNormal 20  |  |  |
| 0 Gamma API 150 |  | Tension Pull 10 0 | 0 MicrologLateral 20 |  |  |
| api             |  |                   | ohm-metre            |  |  |
| 6 Caliper 16    |  | 1 : 240 ft        | 15K Tension 0        |  |  |
| inches          |  |                   | pounds               |  |  |
|                 |  | 3300              |                      |  |  |



3400

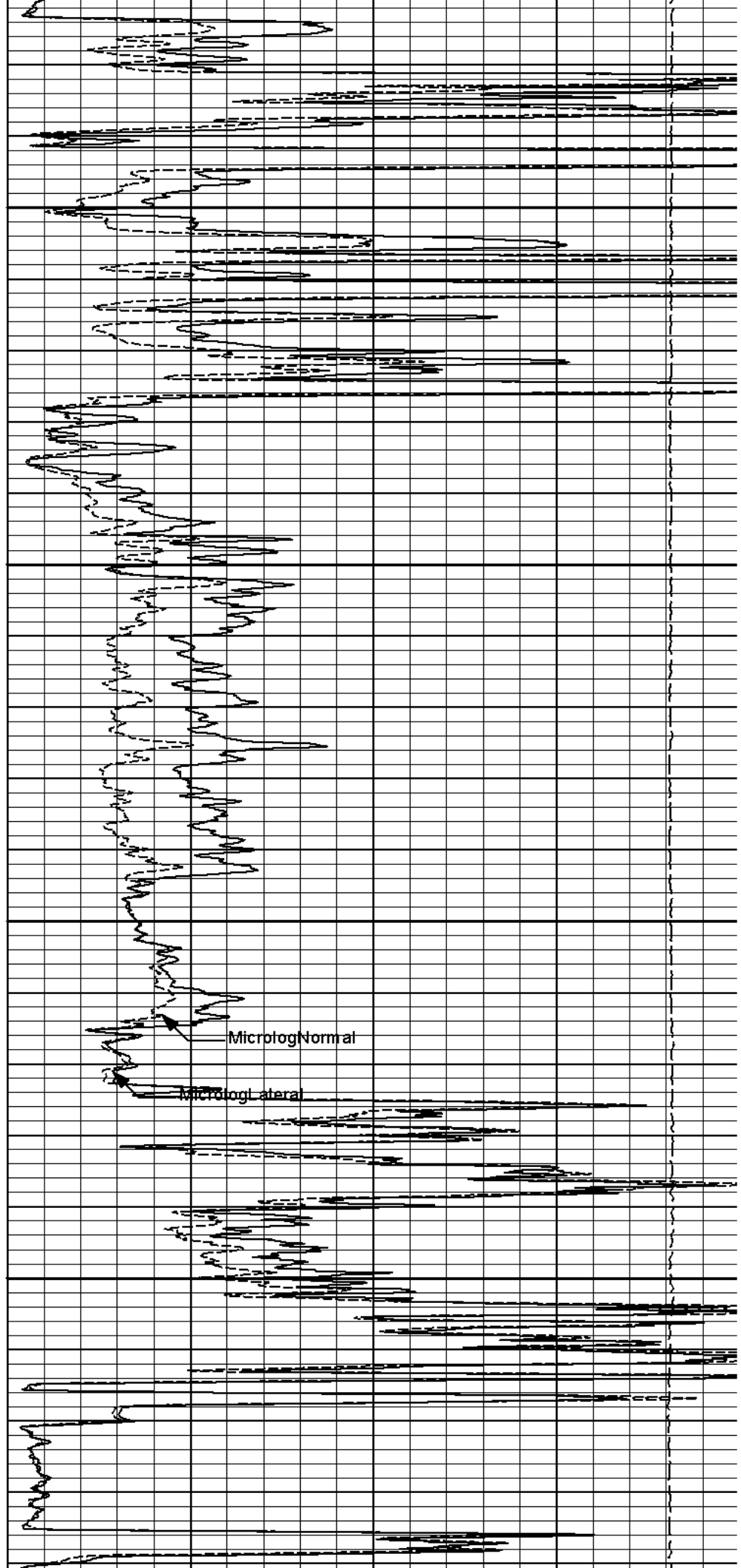
3500

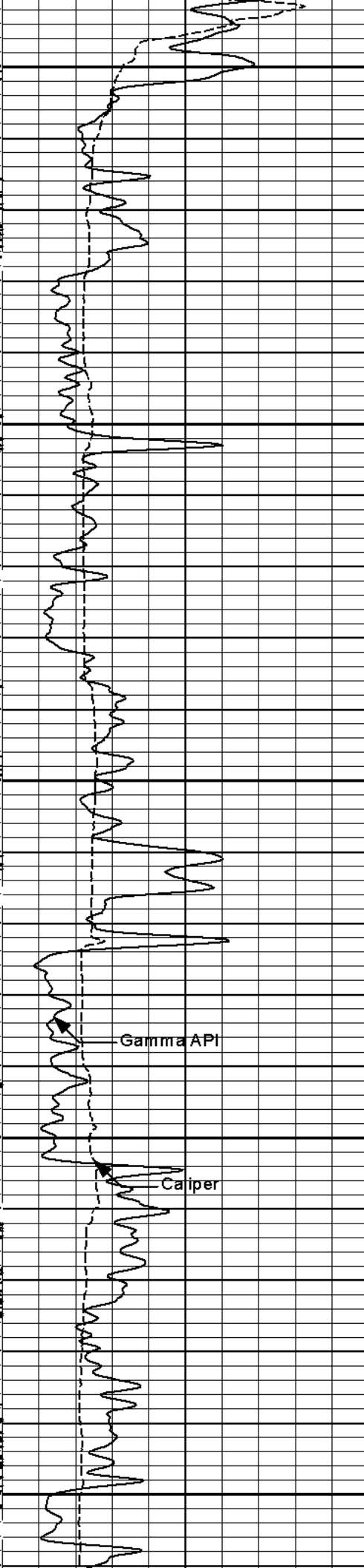




3600

3700



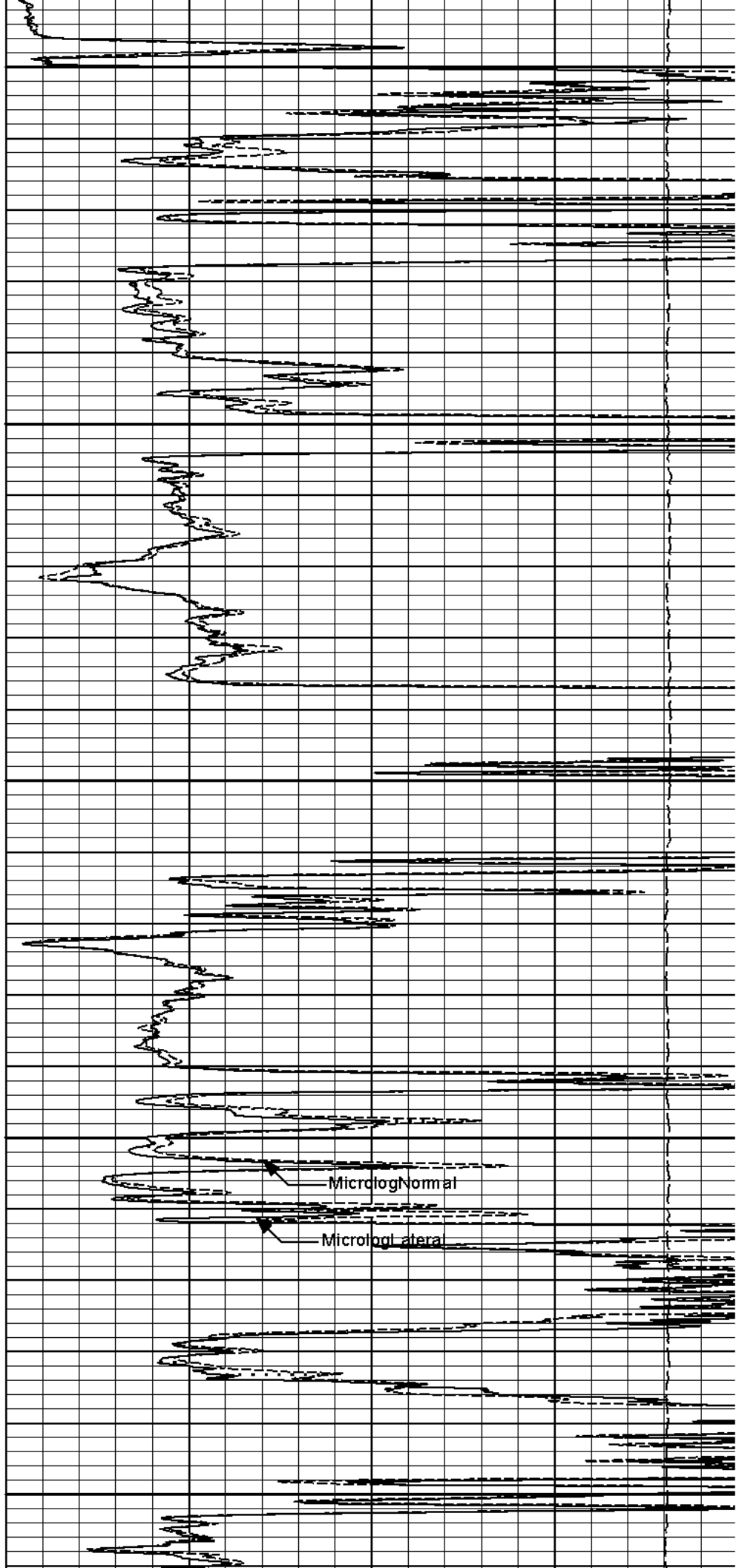


3800

3900

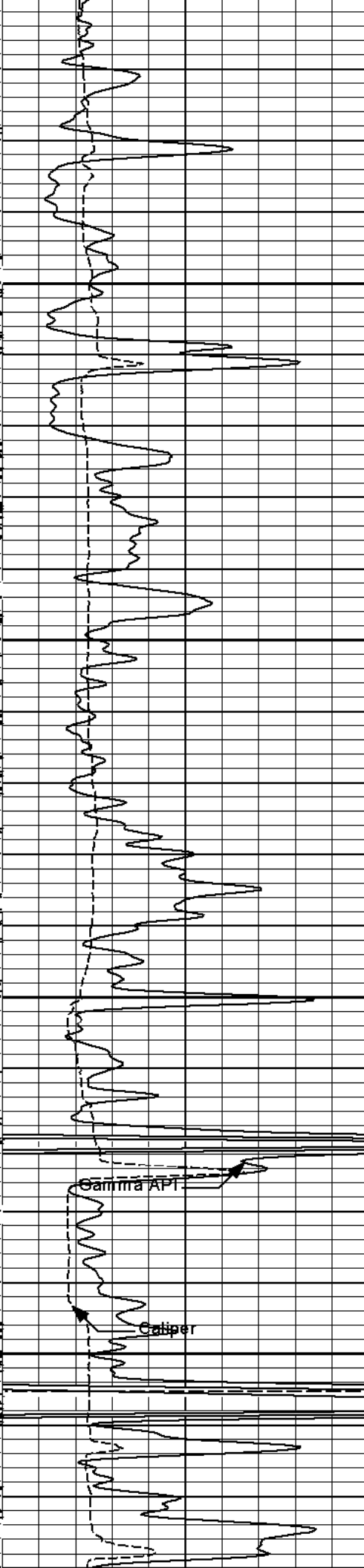
Gamma API

Caliper



MicrologNormal

Microlog lateral

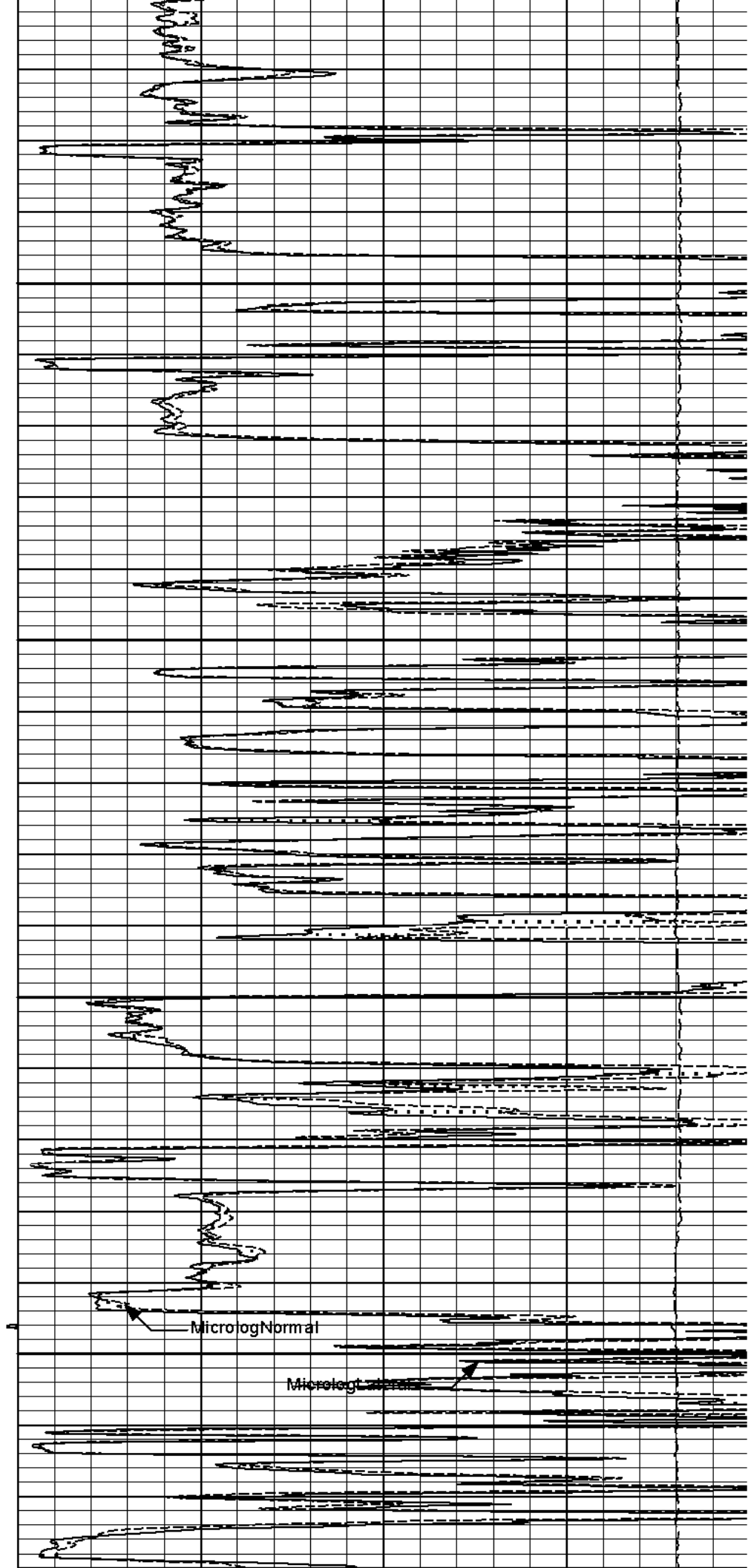


4000

4100

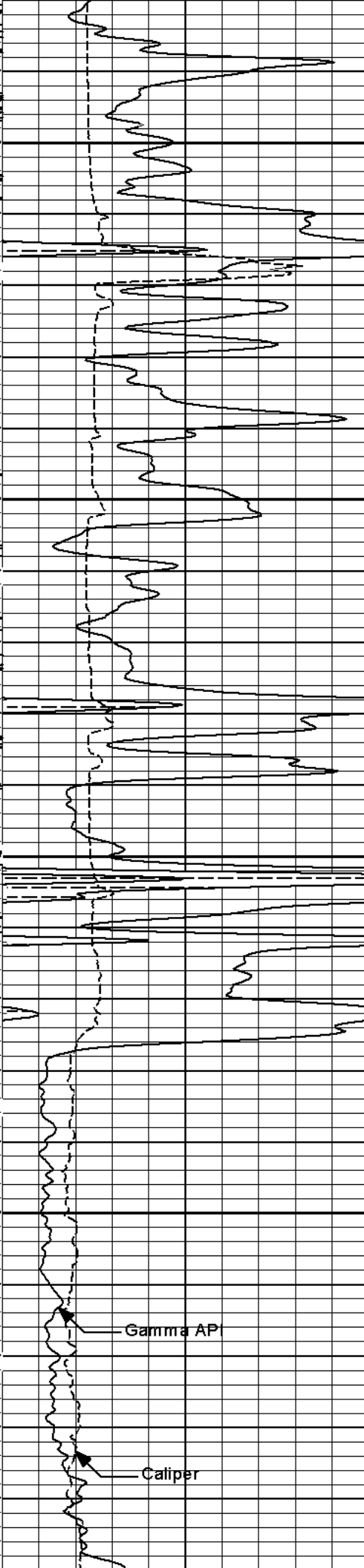
Gamma API

Caliper



MicrologNormal

MicrologDeriv



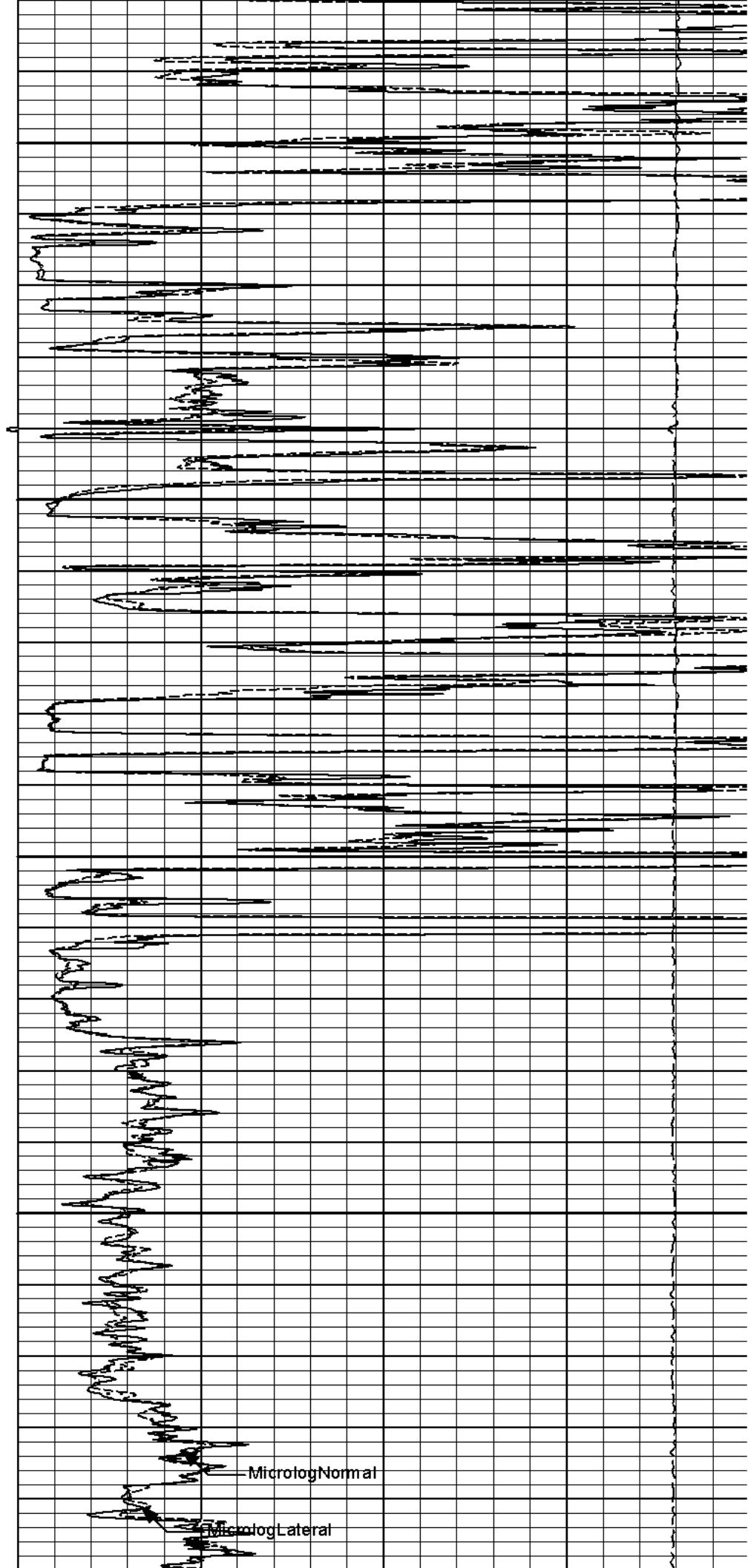
4200

4300

Gamma AP

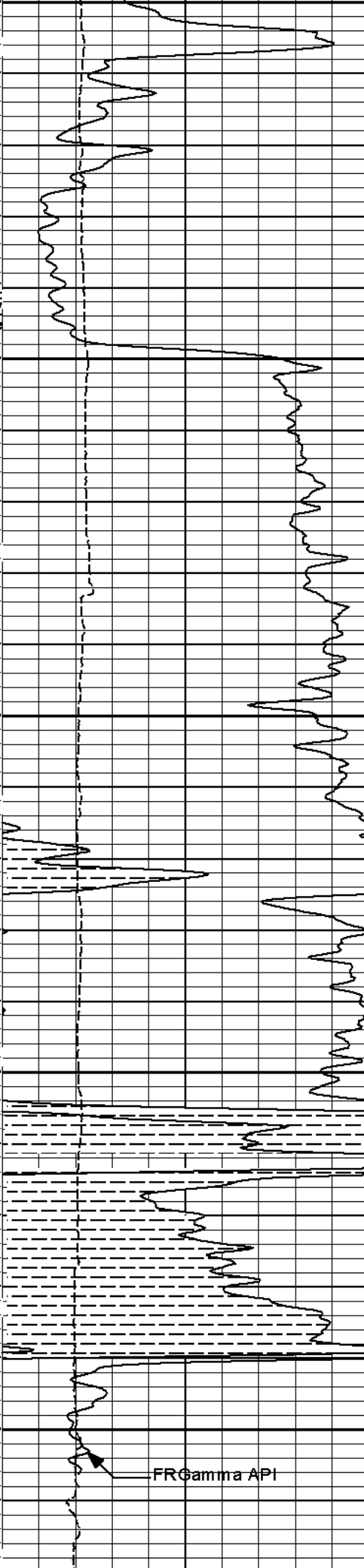
Caliper

4400



Microlog Normal

Microlog Lateral

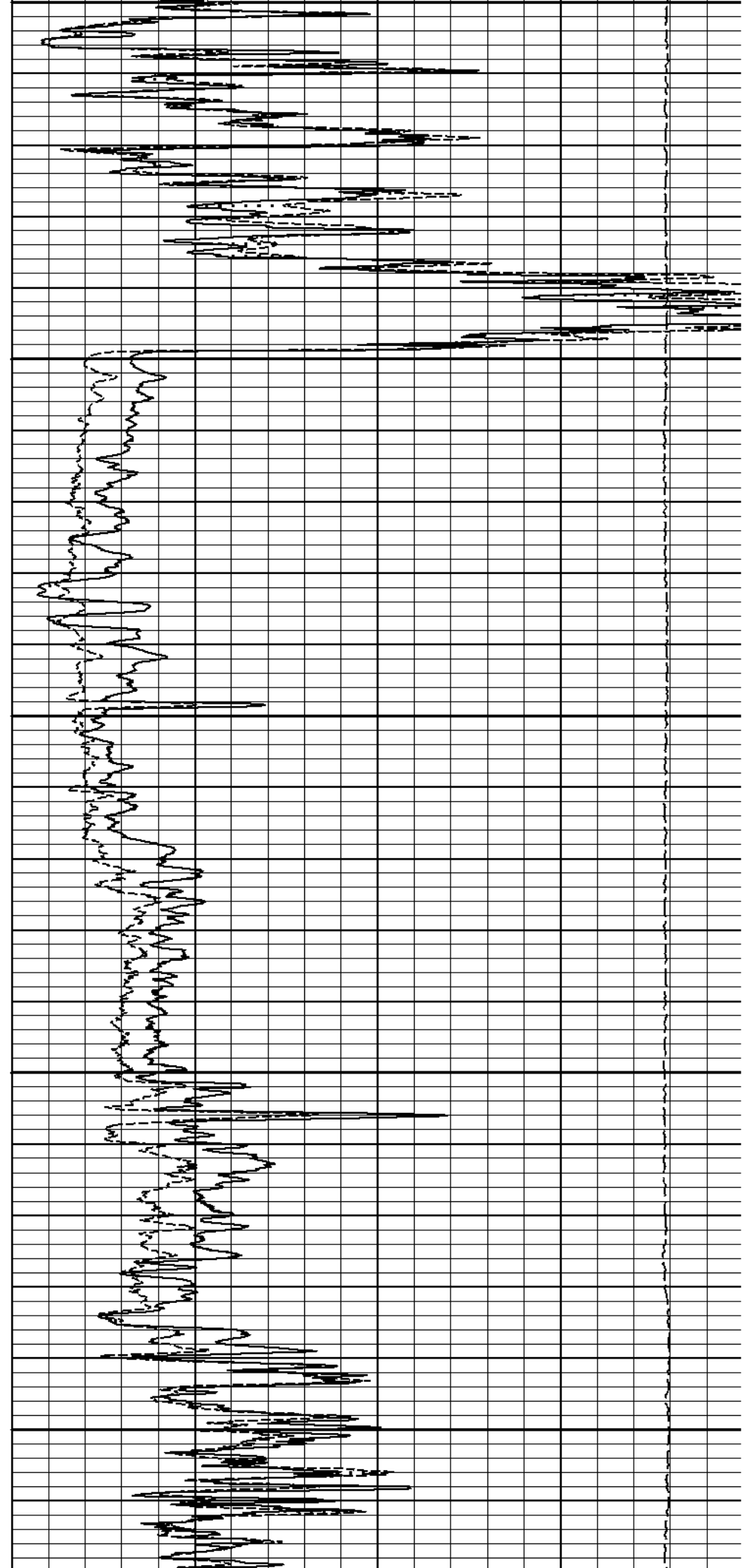


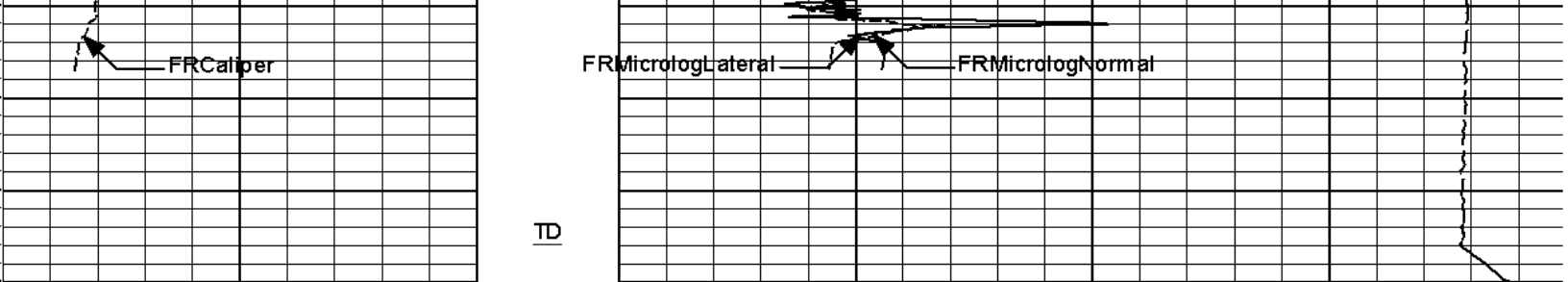
4400

4500

4600

FR Gamma API





|   |           |     |              |   |                 |         |    |
|---|-----------|-----|--------------|---|-----------------|---------|----|
| 6 | Caliper   | 16  | 1 : 240      |   | 15K             | Tension | 0  |
|   | inches    |     | ft           |   |                 | pounds  |    |
| 0 | Gamma API | 150 | Tension Pull | 0 | MicrologLateral |         | 20 |
|   | api       |     | 10           | 0 | ohm-metre       |         |    |
|   | SHALE     |     | Tension Pull | 0 | MicrologNormal  |         | 20 |
|   |           |     |              |   | ohm-metre       |         |    |
|   |           |     |              |   | PERMEABLE       |         |    |

**HALLIBURTON**

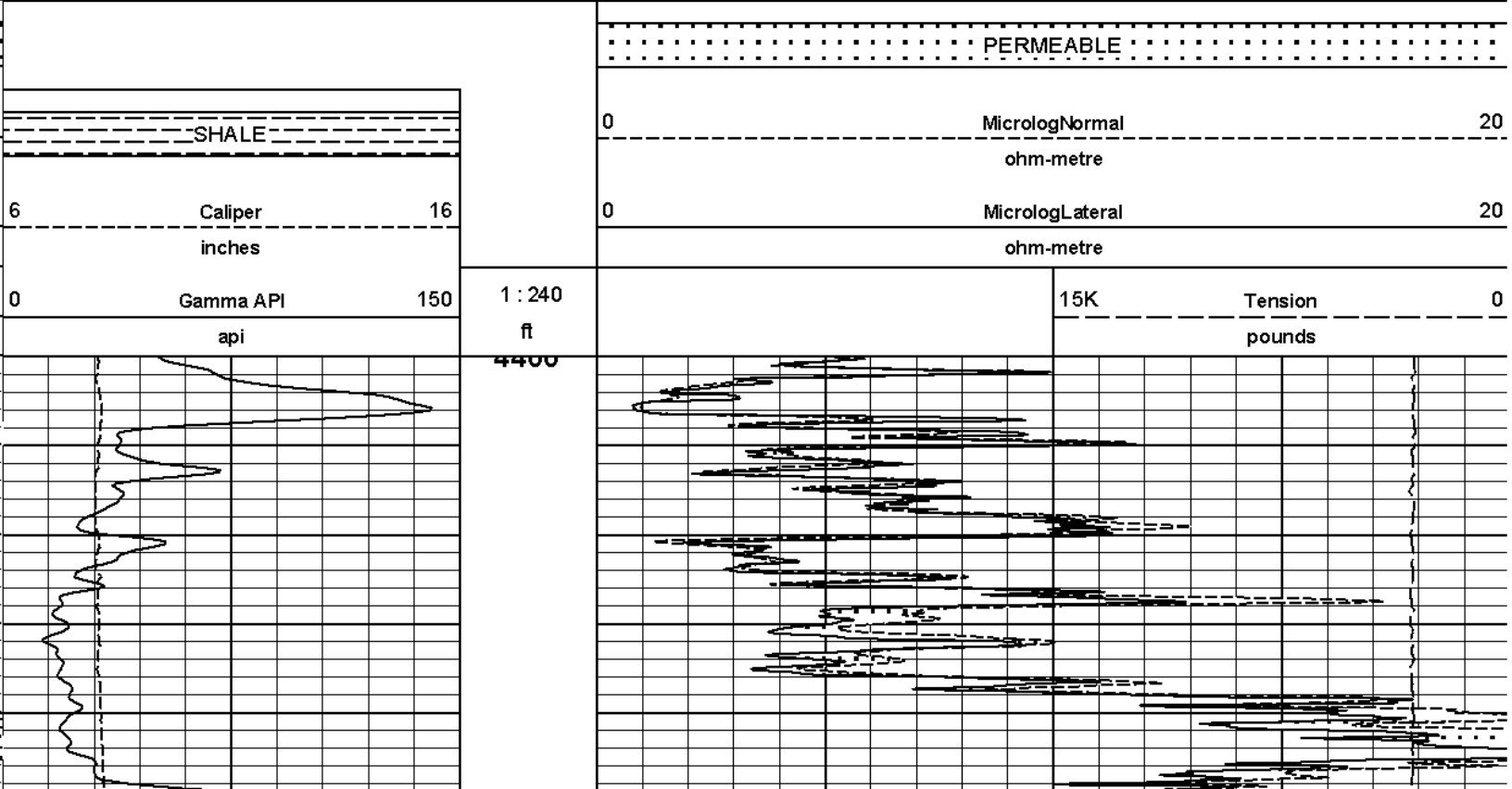
Plot Time: 07-Jul-11 02:28:04  
Plot Range: 3250 ft to 4650.17 ft  
Data: WHELAN\_V1\_29\Well Based\DAQ-0001-003\  
Plot File: \\LOCAL-WHELAN\_V1\_29\Well Based\MICRO\Microlog\_IQ\_5\_main\_lib

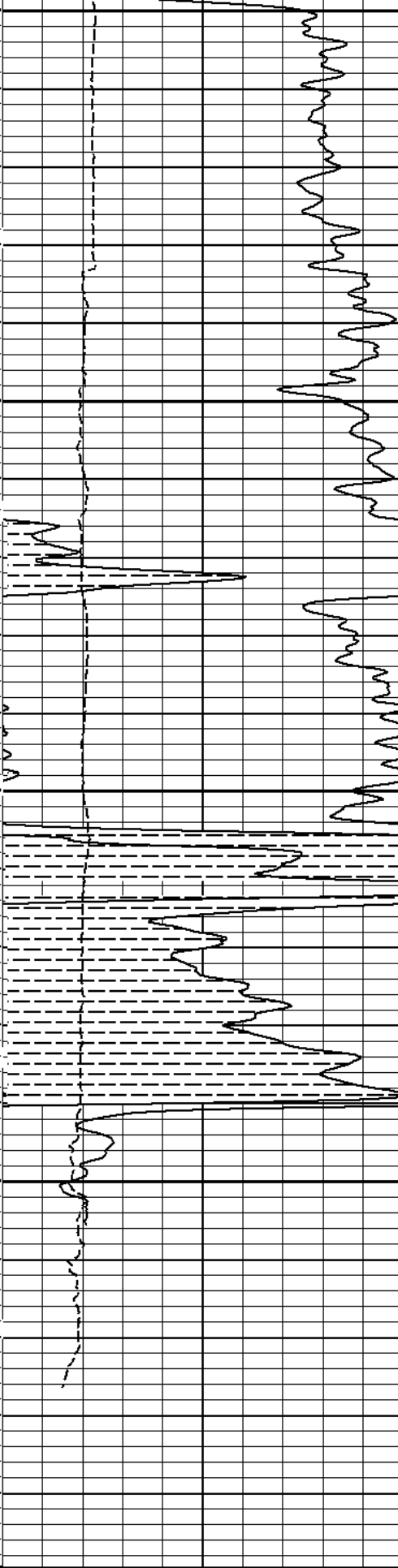
**5 INCH MAIN LOG**

**HALLIBURTON**

Plot Time: 07-Jul-11 02:28:05  
Plot Range: 4400 ft to 4649.42 ft  
Data: WHELAN\_V1\_29\Well Based\DAQ-0001-002\  
Plot File: \\LOCAL-WHELAN\_V1\_29\Well Based\MICRO\Microlog\_IQ\_5\_rep\_lib

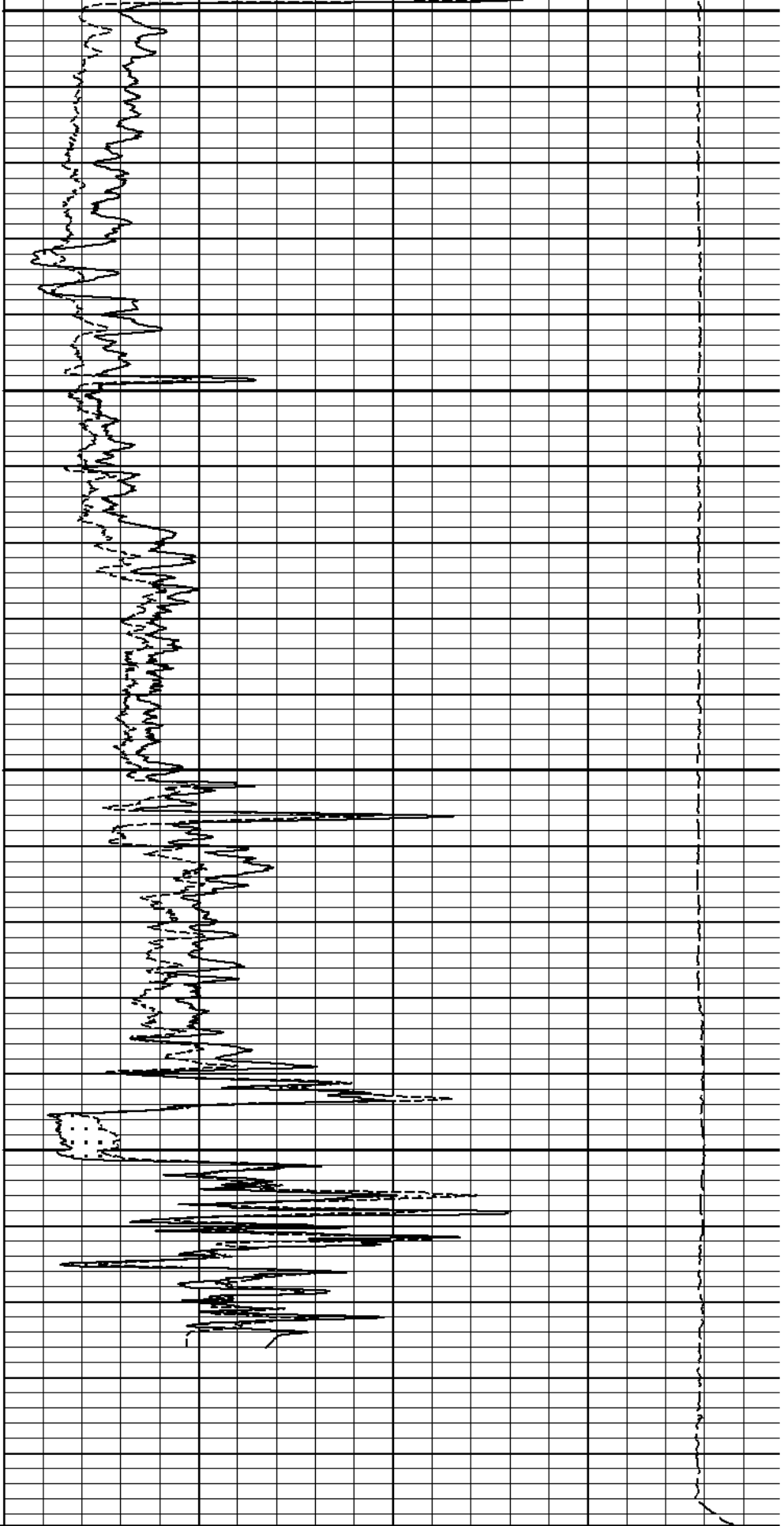
**REPEAT SECTION**





4500

4600



|   |           |     |         |                 |         |   |
|---|-----------|-----|---------|-----------------|---------|---|
| 0 | Gamma API | 150 | 1 : 240 | 15K             | Tension | 0 |
|   | api       |     | ft      |                 | pounds  |   |
| 6 | Caliper   | 16  | 0       | MicrologLateral | 20      |   |
|   | inches    |     |         | ohm-metre       |         |   |

|                  |   |                |    |
|------------------|---|----------------|----|
| <div>SHALE</div> | 0 | MicrologNormal | 20 |
|                  |   | ohm-metre      |    |
|                  |   | PERMEABLE      |    |

HALLIBURTON

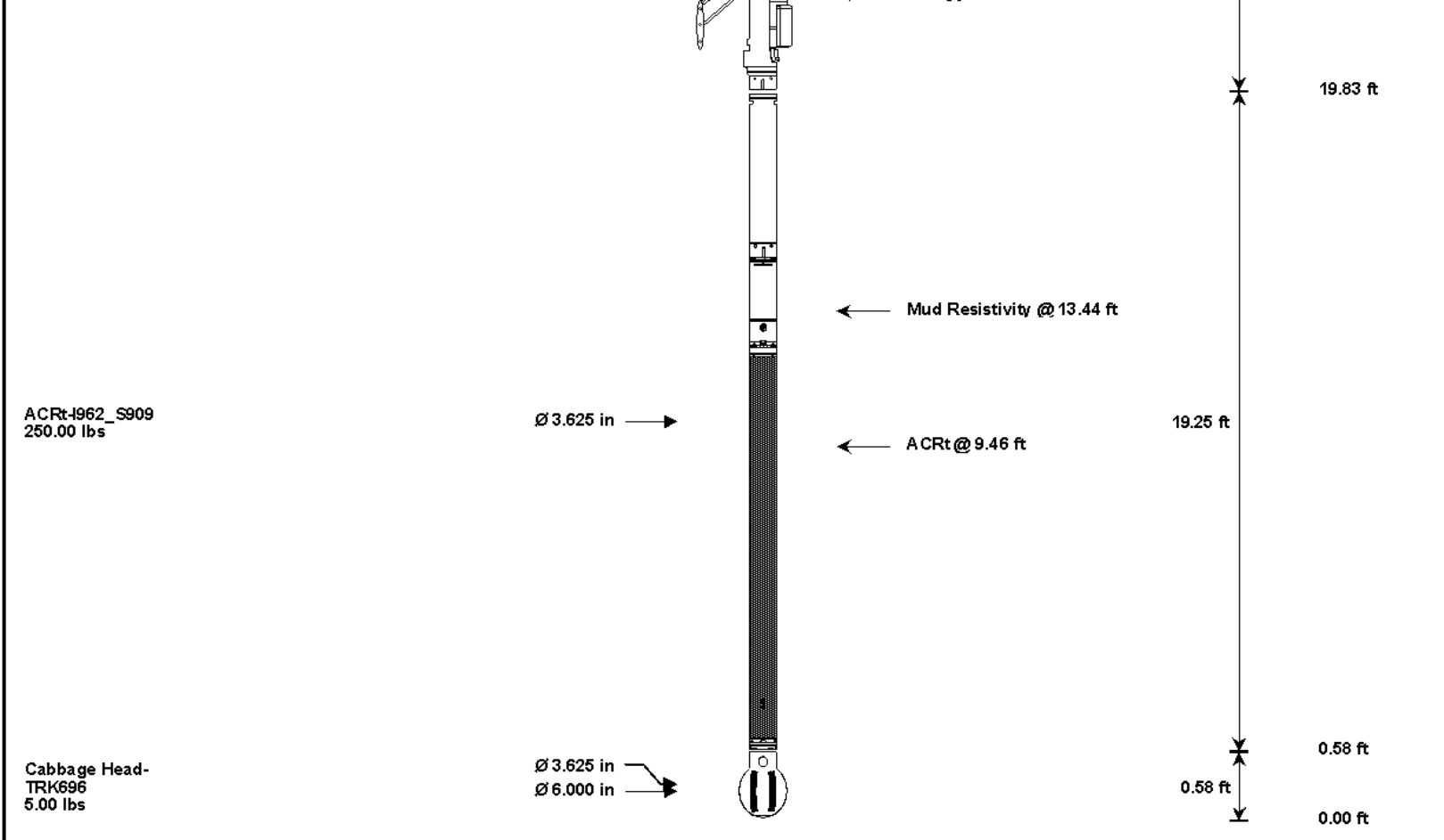
Plot Time: 07-Jul-11 02:28:08  
Plot Range: 4400 ft to 4649.42 ft  
Data: WHELAN\_V1\_29\Well Based\DAQ-0001-002\  
Plot File: \\LOCAL-1\WHELAN\_V1\_29\Well Based\MICRO\Microlog\_IQ\_5\_rep.lib

REPEAT SECTION

HALLIBURTON

TOOL STRING DIAGRAM REPORT

| Description                 | Overbody Description                   | O.D.                          | Diagram | Sensors @ Delays                                                    | Length   | Accumulated Length |
|-----------------------------|----------------------------------------|-------------------------------|---------|---------------------------------------------------------------------|----------|--------------------|
| CH_HOS-CH_696<br>37.50 lbs  |                                        | Ø 2.750 in →                  |         | ← Temperature @ 55.54 ft                                            | 3.03 ft  | 56.57 ft           |
| XOHD-TRK696<br>20.00 lbs    |                                        | Ø 2.750 in →<br>Ø 3.625 in →  |         |                                                                     | 0.95 ft  | 53.54 ft           |
| SP Sub-PROT01<br>60.00 lbs  |                                        | Ø 3.625 in →                  |         | ← SP @ 50.81 ft                                                     | 3.74 ft  | 52.59 ft           |
|                             |                                        |                               |         |                                                                     |          | 48.85 ft           |
| GTET-11048627<br>165.00 lbs |                                        | Ø 3.625 in →                  |         | ← GammaRay @ 42.79 ft                                               | 8.52 ft  |                    |
|                             |                                        |                               |         |                                                                     |          | 40.33 ft           |
| DSNT-11055304<br>174.00 lbs | DSN Decentralizer-10755066<br>6.60 lbs | Ø 3.625 in* →<br>Ø 3.625 in → |         | ← DSN Far @ 33.39 ft<br>← DSN Near @ 32.64 ft                       | 9.69 ft  |                    |
|                             |                                        |                               |         |                                                                     |          | 30.64 ft           |
| SDLT-104_P84<br>360.00 lbs  |                                        | Ø 4.500 in →<br>Ø 4.750 in →  |         | SDL Microlog @ 22.83 ft<br>SDL Caliper @ 22.65 ft<br>SDL @ 22.64 ft | 10.81 ft |                    |



| Mnemonic                                                | Tool Name                          | Serial Number | Weight (lbs)    | Length (ft)  | Accumulated Length (ft) | Max. Log. Speed (fpm)    |
|---------------------------------------------------------|------------------------------------|---------------|-----------------|--------------|-------------------------|--------------------------|
| CH_HOS                                                  | Hostile Cable Head with Load Cell  | CH_696        | 37.50           | 3.03         | 53.54                   | 300.00                   |
| XOHD                                                    | Hostile to Dits Cross Over         | TRK696        | 20.00           | 0.95         | 52.59                   | 300.00                   |
| SP                                                      | SP Sub                             | PROT01        | 60.00           | 3.74         | 48.85                   | 300.00                   |
| GTET                                                    | Gamma Telemetry Tool               | 11048627      | 165.00          | 8.52         | 40.33                   | 60.00                    |
| DSNT                                                    | Dual Spaced Neutron                | 11055304      | 174.00          | 9.69         | 30.64                   | 60.00                    |
| DCNT                                                    | DSN Decentralizer                  | 10755066      | 6.60            | 5.13         | * 33.97                 | 300.00                   |
| SDLT                                                    | Spectral Density Tool              | I04_P84       | 360.00          | 10.81        | 19.83                   | 60.00                    |
| ACRT                                                    | Array Compensated True Resistivity | I962_S909     | 250.00          | 19.25        | 0.58                    | 300.00                   |
| CBHD                                                    | Cabbage Head                       | TRK696        | 5.00            | 0.58         | 0.00                    | 300.00                   |
| <b>Total</b>                                            |                                    |               | <b>1,078.10</b> | <b>56.57</b> |                         |                          |
| * Not included in Total Length and Length Accumulation. |                                    |               |                 |              |                         |                          |
| Data: WHELAN_V1_29\0001 SP-GTET-DSN-SDL-ACRT-CHNDLE     |                                    |               |                 |              |                         | Date: 07-Jul-11 00:08:41 |

# HALLIBURTON

## CALIBRATION REPORT

| MICRO LOG SHOP CALIBRATION |                                   |                                    |                           |
|----------------------------|-----------------------------------|------------------------------------|---------------------------|
| <b>Tool Name:</b>          | <b>SDLT - I04_P84</b>             | <b>Reference Calibration Date:</b> | <b>04-Jul-11 10:28:03</b> |
| <b>Engineer:</b>           | <b>C. PARKER</b>                  | <b>Calibration Date:</b>           | <b>06-Jul-11 11:21:50</b> |
| <b>Software Version:</b>   | <b>WL INSITE R3.2.0 (Build 7)</b> | <b>Calibration Version:</b>        | <b>1</b>                  |

| CALIBRATION COEFFICIENT SUMMARY |                  |            |                   |            |       |
|---------------------------------|------------------|------------|-------------------|------------|-------|
| Measurement                     | Micro Log Normal |            | Micro Log Lateral |            | Units |
|                                 | Measured         | Calibrated | Measured          | Calibrated |       |
| Tool Zero                       | -0.08            | -0.07      | -0.02             | -0.02      | ohmm  |
| Calibration Point #1            | -0.01            | 0.00       | -0.00             | 0.00       | ohmm  |
| Calibration Point #2            | 19.85            | 20.00      | 19.36             | 20.00      | ohmm  |

|                      |                                |       |                                 |       |       |
|----------------------|--------------------------------|-------|---------------------------------|-------|-------|
| Calibration Point #2 | 19.85                          | 20.00 | 18.38                           | 20.00 | ohmm  |
| Internal Reference   | 19.96                          | 20.11 | 20.29                           | 22.09 | ohmm  |
| Measurement          | Micro Log Normal<br>Tool Value |       | Micro Log Lateral<br>Tool Value |       | Units |
| Tool Zero            | -0.47                          |       | 0.38                            |       | V     |
| Calibration Point #1 | 19.27                          |       | 5.18                            |       | V     |
| Calibration Point #2 | 5326.21                        |       | 6365.94                         |       | V     |
| Internal Reference   | 5356.49                        |       | 7032.01                         |       | V     |

| CALIBRATION SUMMARY                                 |       |       |       |            |                          |       |
|-----------------------------------------------------|-------|-------|-------|------------|--------------------------|-------|
| Sensor                                              | Shop  | Field | Post  | Difference | Tolerance                | Units |
| SDLT-I04_P84                                        |       |       |       |            |                          |       |
| MicroLog Normal                                     | 20.11 | ----- | ----- | 0.00       | -----                    | ohm m |
| MicroLog Lateral                                    | 22.09 | ----- | ----- | 0.00       | -----                    | ohm m |
| Data: WHELAN_V1_29I0001 SP-GTET-DSN-SDL-ACRT-CHIDLE |       |       |       |            | Date: 07-Jul-11 00:11:45 |       |

| HALLIBURTON       |  |  |  |  |  |  |
|-------------------|--|--|--|--|--|--|
| PARAMETERS REPORT |  |  |  |  |  |  |

| Depth<br>(ft) | Tool Name | Mnemonic | Description                                           | Value     | Units |
|---------------|-----------|----------|-------------------------------------------------------|-----------|-------|
| TOP           |           |          |                                                       |           |       |
|               | DSNT      | DNOK     | Process DSN?                                          | No        |       |
|               | SDLT      | DNOK     | Process Density?                                      | No        |       |
|               | SDLT      | MLOK     | Process MicroLog Outputs?                             | No        |       |
| 3240.00       |           |          |                                                       |           |       |
|               | SHARED    | BS       | Bit Size                                              | 7.875     | in    |
|               | SHARED    | UBS      | Use Bit Size instead of Caliper for all applications. | No        |       |
|               | SHARED    | MDBS     | Mud Base                                              | Water     |       |
|               | SHARED    | MDWT     | Borehole Fluid Weight                                 | 9.000     | ppg   |
|               | SHARED    | WAGT     | Weighting Agent                                       | Barite    |       |
|               | SHARED    | BSAL     | Borehole salinity                                     | 0.00      | ppm   |
|               | SHARED    | FSAL     | Formation Salinity NaCl                               | 0.00      | ppm   |
|               | SHARED    | KPCT     | Percent K in Mud by Weight?                           | 0.00      | %     |
|               | SHARED    | RMUD     | Mud Resistivity                                       | 0.330     | ohmm  |
|               | SHARED    | TRM      | Temperature of Mud                                    | 75.0      | degF  |
|               | SHARED    | CSD      | Logging Interval is Cased?                            | No        |       |
|               | SHARED    | ICOD     | AHV Casing OD                                         | 5.500     | in    |
|               | SHARED    | ST       | Surface Temperature                                   | 75.0      | degF  |
|               | SHARED    | TD       | Total Well Depth                                      | 4646.00   | ft    |
|               | SHARED    | BHT      | Bottom Hole Temperature                               | 120.0     | degF  |
|               | SHARED    | SVTM     | Navigation and Survey Master Tool                     | NONE      |       |
|               | SHARED    | AZTM     | High Res Z Accelerometer Master Tool                  | GTET      |       |
|               | SHARED    | TEMM     | Temperature Master Tool                               | NONE      |       |
|               | SHARED    | BHSM     | Borehole Size Master Tool                             | NONE      |       |
|               | GTET      | GROK     | Process Gamma Ray?                                    | Yes       |       |
|               | GTET      | GRSO     | Gamma Tool Standoff                                   | 0.000     | in    |
|               | GTET      | GEOK     | Process Gamma Ray EVR?                                | No        |       |
|               | GTET      | TPOS     | Tool Position                                         | Centered  |       |
|               | DSNT      | DNOK     | Process DSN?                                          | Yes       |       |
|               | DSNT      | DEOK     | Process DSN EVR?                                      | No        |       |
|               | DSNT      | NLIT     | Neutron Lithology                                     | Limestone |       |

|                                                     |      |                                              |                          |      |
|-----------------------------------------------------|------|----------------------------------------------|--------------------------|------|
| DSNT                                                | DNSO | DSN Standoff - 0.25 in (6.35 mm) Recommended | 0.250                    | in   |
| DSNT                                                | DNTP | Temperature Correction Type                  | None                     |      |
| DSNT                                                | DPRS | DSN Pressure Correction Type                 | None                     |      |
| DSNT                                                | SHCO | View More Correction Options                 | No                       |      |
| DSNT                                                | UTVD | Use TVD for Gradient Corrections?            | No                       |      |
| DSNT                                                | LHWT | Logging Horizontal Water Tank?               | No                       |      |
| SDLT                                                | DNOK | Process Density?                             | Yes                      |      |
| SDLT                                                | DNOK | Process Density EVR?                         | No                       |      |
| SDLT                                                | CB   | Logging Calibration Blocks?                  | No                       |      |
| SDLT                                                | SPVT | SDLT Pad Temperature Valid?                  | Yes                      |      |
| SDLT                                                | DTWN | Disable temperature warning                  | No                       |      |
| SDLT                                                | DMA  | Formation Density Matrix                     | 2.710                    | g/cc |
| SDLT                                                | DFL  | Formation Density Fluid                      | 1.000                    | g/cc |
| SDLT                                                | CLOK | Process Caliper Outputs?                     | Yes                      |      |
| SDLT                                                | MLOK | Process MicroLog Outputs?                    | Yes                      |      |
| ACRt                                                | RTOK | Process ACRt?                                | Yes                      |      |
| ACRt                                                | MNSO | Minimum Tool Standoff                        | 1.50                     | in   |
| ACRt                                                | TCS1 | Temperature Correction Source                | FP Lwr & FP Up           |      |
| ACRt                                                | TPOS | Tool Position                                | Free Hanging             |      |
| ACRt                                                | RMOP | Rmud Source                                  | Mud Cell                 |      |
| ACRt                                                | RMIN | Minimum Resistivity for MAP                  | 0.20                     | ohmm |
| ACRt                                                | RMIN | Maximum Resistivity for MAP                  | 200.00                   | ohmm |
| ACRt                                                | THQY | Threshold Quality                            | 0.50                     |      |
| BOTTOM                                              |      |                                              |                          |      |
| Data: WHELAN_V1_2910001 SP-GTET-DSN-SDL-ACRT-CHIDLE |      |                                              | Date: 07-Jul-11 01:53:51 |      |

## HALLIBURTON

### INPUTS, DELAYS AND FILTERS TABLE

| Mnemonic    | Input Description                                       | Delay (ft) | Filter Type | Filter Length (ft) |
|-------------|---------------------------------------------------------|------------|-------------|--------------------|
| Depth Panel |                                                         |            |             |                    |
| TENS        | Tension                                                 | 0.00       | NO          |                    |
| CH_HOS      |                                                         |            |             |                    |
| DHTN        | DownholeTension                                         | 0.00       | BLK         | 0.000              |
| SP Sub      |                                                         |            |             |                    |
| PLTC        | Plot Control Mask                                       | 50.81      | NO          |                    |
| SP          | Spontaneous Potential                                   | 50.81      | BLK         | 1.250              |
| SPR         | Raw Spontaneous Potential                               | 50.81      | NO          |                    |
| SPO         | Spontaneous Potential Offset                            | 50.81      | NO          |                    |
| GTET        |                                                         |            |             |                    |
| TPUL        | Tension Pull                                            | 42.79      | NO          |                    |
| GR          | Natural Gamma Ray API                                   | 42.79      | TRI         | 1.750              |
| GRU         | Unfiltered Natural Gamma Ray API                        | 42.79      | NO          |                    |
| EGR         | Natural Gamma Ray API with Enhanced Vertical Resolution | 42.79      | W           | 1.416 , 0.750      |
| ACCZ        | Accelerometer Z                                         | 0.00       | BLK         | 0.083              |
| DEVI        | Inclination                                             | 0.00       | NO          |                    |
| DSNT        |                                                         |            |             |                    |
| TPUL        | Tension Pull                                            | 32.54      | NO          |                    |
| RNDS        | Near Detector Telemetry Counts                          | 32.64      | BLK         | 1.417              |
| RFDS        | Far Detector Telemetry Counts                           | 33.39      | TRI         | 0.583              |

|             |                                    |       |     |       |
|-------------|------------------------------------|-------|-----|-------|
| DNTT        | DSN Tool Temperature               | 32.64 | NO  |       |
| DSNS        | DSN Tool Status                    | 32.54 | NO  |       |
| ERND        | Near Detector Telemetry Counts EVR | 32.64 | BLK | 0.000 |
| ERFD        | Far Detector Telemetry Counts EVR  | 33.39 | BLK | 0.000 |
| ENTM        | DSN Tool Temperature EVR           | 32.64 | NO  |       |
| <b>SDLT</b> |                                    |       |     |       |
| TPUL        | Tension Pull                       | 22.64 | NO  |       |
| NAB         | Near Above                         | 22.46 | BLK | 0.920 |
| NHI         | Near Cesium High                   | 22.46 | BLK | 0.920 |
| NLO         | Near Cesium Low                    | 22.46 | BLK | 0.920 |
| NVA         | Near Valley                        | 22.46 | BLK | 0.920 |
| NBA         | Near Barite                        | 22.46 | BLK | 0.920 |
| NDE         | Near Density                       | 22.46 | BLK | 0.920 |
| NPK         | Near Peak                          | 22.46 | BLK | 0.920 |
| NLI         | Near Lithology                     | 22.46 | BLK | 0.920 |
| NBAU        | Near Barite Unfiltered             | 22.46 | BLK | 0.250 |
| NLIU        | Near Lithology Unfiltered          | 22.46 | BLK | 0.250 |
| FAB         | Far Above                          | 22.81 | BLK | 0.250 |
| FHI         | Far Cesium High                    | 22.81 | BLK | 0.250 |
| FLO         | Far Cesium Low                     | 22.81 | BLK | 0.250 |
| FVA         | Far Valley                         | 22.81 | BLK | 0.250 |
| FBA         | Far Barite                         | 22.81 | BLK | 0.250 |
| FDE         | Far Density                        | 22.81 | BLK | 0.250 |
| FPK         | Far Peak                           | 22.81 | BLK | 0.250 |
| FLI         | Far Lithology                      | 22.81 | BLK | 0.250 |
| PTMP        | Pad Temperature                    | 22.65 | BLK | 0.920 |
| NHV         | Near Detector High Voltage         | 19.83 | NO  |       |
| FHV         | Far Detector High Voltage          | 19.83 | NO  |       |
| ITMP        | Instrument Temperature             | 19.83 | NO  |       |
| DDHV        | Detector High Voltage              | 19.83 | NO  |       |
| TPUL        | Tension Pull                       | 22.65 | NO  |       |
| PCAL        | Pad Caliper                        | 22.65 | TRI | 0.250 |
| ACAL        | Arm Caliper                        | 22.65 | TRI | 0.250 |
| TPUL        | Tension Pull                       | 22.83 | NO  |       |
| MINV        | Microlog Lateral                   | 22.83 | BLK | 0.750 |
| MNOR        | Microlog Normal                    | 22.83 | BLK | 0.750 |
| <b>ACRt</b> |                                    |       |     |       |
| TPUL        | Tension Pull                       | 2.97  | NO  |       |
| F1R1        | ACRT 12KHz - 80in R value          | 9.22  | BLK | 0.000 |
| F1X1        | ACRT 12KHz - 80in X value          | 9.22  | BLK | 0.000 |
| F1R2        | ACRT 12KHz - 50in R value          | 6.72  | BLK | 0.000 |
| F1X2        | ACRT 12KHz - 50in X value          | 6.72  | BLK | 0.000 |
| F1R3        | ACRT 12KHz - 29in R value          | 5.22  | BLK | 0.000 |
| F1X3        | ACRT 12KHz - 29in X value          | 5.22  | BLK | 0.000 |
| F1R4        | ACRT 12KHz - 17in R value          | 4.22  | BLK | 0.000 |
| F1X4        | ACRT 12KHz - 17in X value          | 4.22  | BLK | 0.000 |
| F1R5        | ACRT 12KHz - 10in R value          | 3.72  | BLK | 0.000 |
| F1X5        | ACRT 12KHz - 10in X value          | 3.72  | BLK | 0.000 |
| F1R6        | ACRT 12KHz - 6in R value           | 3.47  | BLK | 0.000 |
| F1X6        | ACRT 12KHz - 6in X value           | 3.47  | BLK | 0.000 |
| F2R1        | ACRT 36KHz - 80in R value          | 9.22  | BLK | 0.000 |
| F2X1        | ACRT 36KHz - 80in X value          | 9.22  | BLK | 0.000 |
| F2R2        | ACRT 36KHz - 50in R value          | 6.72  | BLK | 0.000 |
| F2X2        | ACRT 36KHz - 50in X value          | 6.72  | BLK | 0.000 |

|                                                     |                                               |       |     |                          |
|-----------------------------------------------------|-----------------------------------------------|-------|-----|--------------------------|
| F2R3                                                | ACRT 36KHz - 29in R value                     | 5.22  | BLK | 0.000                    |
| F2X3                                                | ACRT 36KHz - 29in X value                     | 5.22  | BLK | 0.000                    |
| F2R4                                                | ACRT 36KHz - 17in R value                     | 4.22  | BLK | 0.000                    |
| F2X4                                                | ACRT 36KHz - 17in X value                     | 4.22  | BLK | 0.000                    |
| F2R5                                                | ACRT 36KHz - 10in R value                     | 3.72  | BLK | 0.000                    |
| F2X5                                                | ACRT 36KHz - 10in X value                     | 3.72  | BLK | 0.000                    |
| F2R6                                                | ACRT 36KHz - 6in R value                      | 3.47  | BLK | 0.000                    |
| F2X6                                                | ACRT 36KHz - 6in X value                      | 3.47  | BLK | 0.000                    |
| F3R1                                                | ACRT 72KHz - 80in R value                     | 9.22  | BLK | 0.000                    |
| F3X1                                                | ACRT 72KHz - 80in X value                     | 9.22  | BLK | 0.000                    |
| F3R2                                                | ACRT 72KHz - 50in R value                     | 6.72  | BLK | 0.000                    |
| F3X2                                                | ACRT 72KHz - 50in X value                     | 6.72  | BLK | 0.000                    |
| F3R3                                                | ACRT 72KHz - 29in R value                     | 5.22  | BLK | 0.000                    |
| F3X3                                                | ACRT 72KHz - 29in X value                     | 5.22  | BLK | 0.000                    |
| F3R4                                                | ACRT 72KHz - 17in R value                     | 4.22  | BLK | 0.000                    |
| F3X4                                                | ACRT 72KHz - 17in X value                     | 4.22  | BLK | 0.000                    |
| F3R5                                                | ACRT 72KHz - 10in R value                     | 3.72  | BLK | 0.000                    |
| F3X5                                                | ACRT 72KHz - 10in X value                     | 3.72  | BLK | 0.000                    |
| F3R6                                                | ACRT 72KHz - 6in R value                      | 3.47  | BLK | 0.000                    |
| F3X6                                                | ACRT 72KHz - 6in X value                      | 3.47  | BLK | 0.000                    |
| RMUD                                                | Mud Resistivity                               | 12.76 | BLK | 0.000                    |
| F1RT                                                | Transmitter Reference 12 KHz Real Signal      | 2.97  | BLK | 0.000                    |
| F1XT                                                | Transmitter Reference 12 KHz Imaginary Signal | 2.97  | BLK | 0.000                    |
| F2RT                                                | Transmitter Reference 36 KHz Real Signal      | 2.97  | BLK | 0.000                    |
| F2XT                                                | Transmitter Reference 36 KHz Imaginary Signal | 2.97  | BLK | 0.000                    |
| F3RT                                                | Transmitter Reference 72 KHz Real Signal      | 2.97  | BLK | 0.000                    |
| F3XT                                                | Transmitter Reference 72 KHz Imaginary Signal | 2.97  | BLK | 0.000                    |
| TFPU                                                | Upper Feedpipe Temperature Calculated         | 2.97  | BLK | 0.000                    |
| TFPL                                                | Lower Feedpipe Temperature Calculated         | 2.97  | BLK | 0.000                    |
| ITMP                                                | Instrument Temperature                        | 2.97  | BLK | 0.000                    |
| TCVA                                                | Temperature Correction Values Loop Off        | 2.97  | NO  |                          |
| TIDV                                                | Instrument Temperature Derivative             | 2.97  | NO  |                          |
| TUDV                                                | Upper Temperature Derivative                  | 2.97  | NO  |                          |
| TLDV                                                | Lower Temperature Derivative                  | 2.97  | NO  |                          |
| TRBD                                                | Receiver Board Temperature                    | 2.97  | NO  |                          |
| Data: WHELAN_V1_29\0001 SP-GTET-DSN-SDL-ACRT-CH1DLE |                                               |       |     | Date: 07-Jul-11 00:12:42 |

|             |                |          |        |
|-------------|----------------|----------|--------|
| COMPANY     | VAL ENERGY INC |          |        |
| WELL        | WHELAN V1-29   |          |        |
| FIELD       | UNKNOWN        |          |        |
| COUNTY      | BARBER         | STATE    | KANSAS |
| HALLIBURTON |                | MICROLOG |        |