



**Weatherford**<sup>®</sup>

**MICRORESISTIVITY LOG**

|                                         |               |                                    |                  |
|-----------------------------------------|---------------|------------------------------------|------------------|
| COMPANY                                 |               | SHAKESPEARE OIL CO., INC.          |                  |
| WELL                                    |               | CARSON 2-25                        |                  |
| FIELD                                   |               | PENCE EAST                         |                  |
| PROVINCE/COUNTY                         |               | SCOTT                              |                  |
| COUNTRY/STATE                           |               | U.S.A. / KANSAS                    |                  |
| LOCATION                                |               | 1230' FSL & 435' FWL / NE NW SW SW |                  |
| SEC 25                                  | TWP 16S       | RGE 34W                            | Other Services   |
| Latitude                                | MPD/MDN       |                                    |                  |
| Longitude                               | MAI/MFE       |                                    |                  |
| API Number                              | 15-171-21022  |                                    |                  |
| Permanent Datum GL, Elevation 3100 feet |               |                                    | Elevations: feet |
| Log Measured From KB                    |               |                                    | KB 3112.00       |
| Drilling Measured From KB @ 12 FEET     |               |                                    | DF 3110.00       |
| Date                                    | 13-FEB-2014   |                                    | GL 3100.00       |
| Run Number                              | ONE           |                                    |                  |
| Service Order                           | 5872-79443934 |                                    |                  |
| Depth Driller                           | 4860.00       | feet                               |                  |
| Depth Logger                            | 4862.00       | feet                               |                  |
| First Reading                           | 4829.00       | feet                               |                  |
| Last Reading                            | 3862.00       | feet                               |                  |
| Casing Driller                          | 263.00        | feet                               |                  |
| Casing Logger                           | 264.00        | feet                               |                  |
| Bit Size                                | 7.875         | inches                             |                  |
| Hole Fluid Type                         | CHEMICAL      |                                    |                  |
| Density / Viscosity                     | 9.60 lb/USg   | 53.00 CP                           |                  |
| PH / Fluid Loss                         | 10.00         | 8.80 ml/30Min                      |                  |
| Sample Source                           | FLOWLINE      |                                    |                  |
| Rm @ Measured Temp                      | 1.05 @ 63.0   | ohm-m                              |                  |
| Rmf @ Measured Temp                     | 0.84 @ 63.0   | ohm-m                              |                  |
| Rmc @ Measured Temp                     | 1.26 @ 63.0   | ohm-m                              |                  |
| Source Rmf / Rmc                        | CALC          | CALC                               |                  |
| Rm @ BHT                                | 0.59 @ 112.0  | ohm-m                              |                  |
| Time Since Circulation                  | 5 HRS         |                                    |                  |
| Max Recorded Temp                       | 112.00        | deg F                              |                  |
| Equipment / Base                        | 13244         | LIB                                |                  |
| Recorded By                             | JOHN LAPPOINT |                                    |                  |
| Witnessed By                            | MARK HERNDON  |                                    |                  |
| JOB #                                   | LB 14-46      |                                    |                  |

| BOREHOLE RECORD    |                |                    |                    |                     | Last Edited: 13-FEB-2014 05:25 |
|--------------------|----------------|--------------------|--------------------|---------------------|--------------------------------|
| Bit Size<br>inches |                | Depth From<br>feet |                    | Depth To<br>feet    |                                |
| 7.875              |                | 264.00             |                    | 4862.00             |                                |
| CASING RECORD      |                |                    |                    |                     |                                |
| Type               | Size<br>inches | Depth From<br>feet | Shoe Depth<br>feet | Weight<br>pounds/ft |                                |
| CASING             | 8.625          | 0.00               | 264.00             | 24.00               |                                |

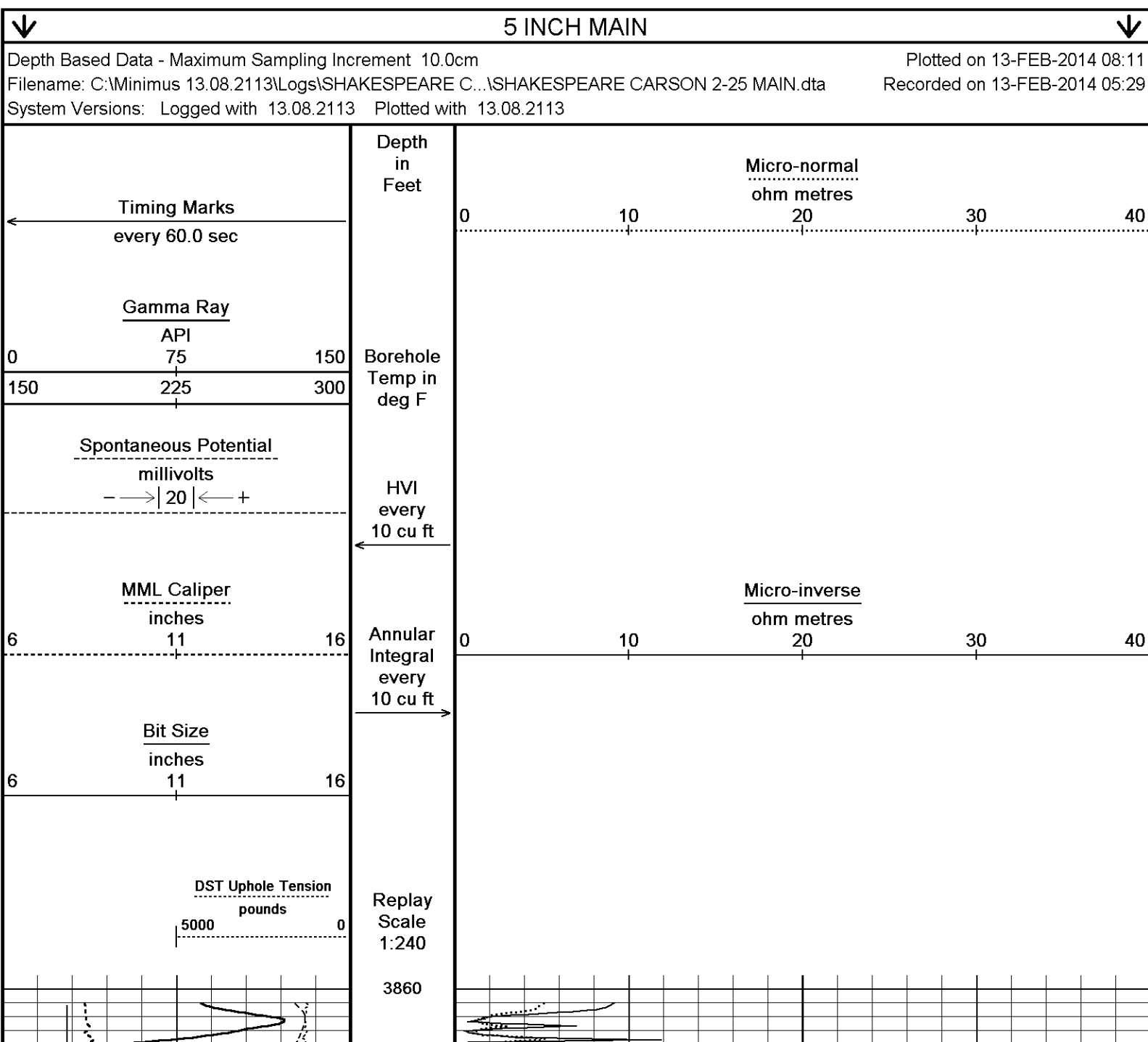
| REMARKS                                                                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| - SOFTWARE ISSUE: WLS 13.08.2113.                                                                                                                                             |
| - RUN ONE: MCG, MML, MDN, MPD, MFE AND MAI RUN IN COMBINATION.<br>- HARDWARE: DUAL BOWSPRING USED ON MDN.<br>0.5 INCH STANDOFF USED ON MFE.<br>0.5 INCH STANDOFF USED ON MAI. |
| - 2.71 G/CC LIMESTONE DENSITY MATRIX USED TO CALCULATE POROSITY.                                                                                                              |
| - BOREHOLE RUGOSITY, TIGHT PULLS, AND WASHOUTS WILL AFFECT DATA QUALITY.                                                                                                      |
| - ALL INTERVALS LOGGED AND SCALED PER CUSTOMER'S REQUEST.                                                                                                                     |
| - TOTAL HOLE VOLUME FROM TD TO 3862 FEET: 302 CU.FT.                                                                                                                          |
| - ANNULAR HOLE VOLUME WITH 5.5 INCH PRODUCTION CASING FROM TD TO 3862 FEET: 150 CU.FT.                                                                                        |
| - RIG: SOUTHWIND DRILLING #70                                                                                                                                                 |

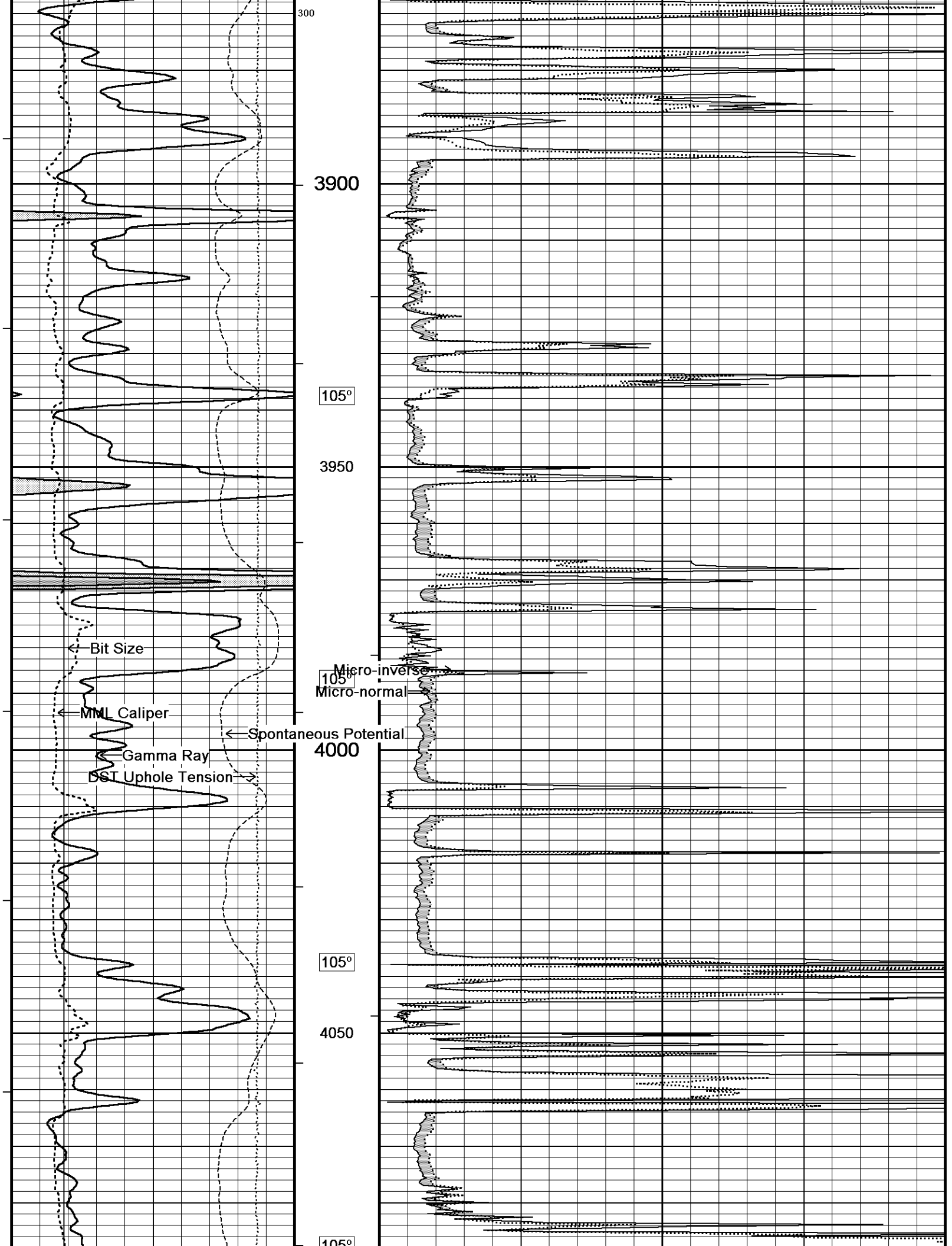
- ENGINEER: D. COLE.

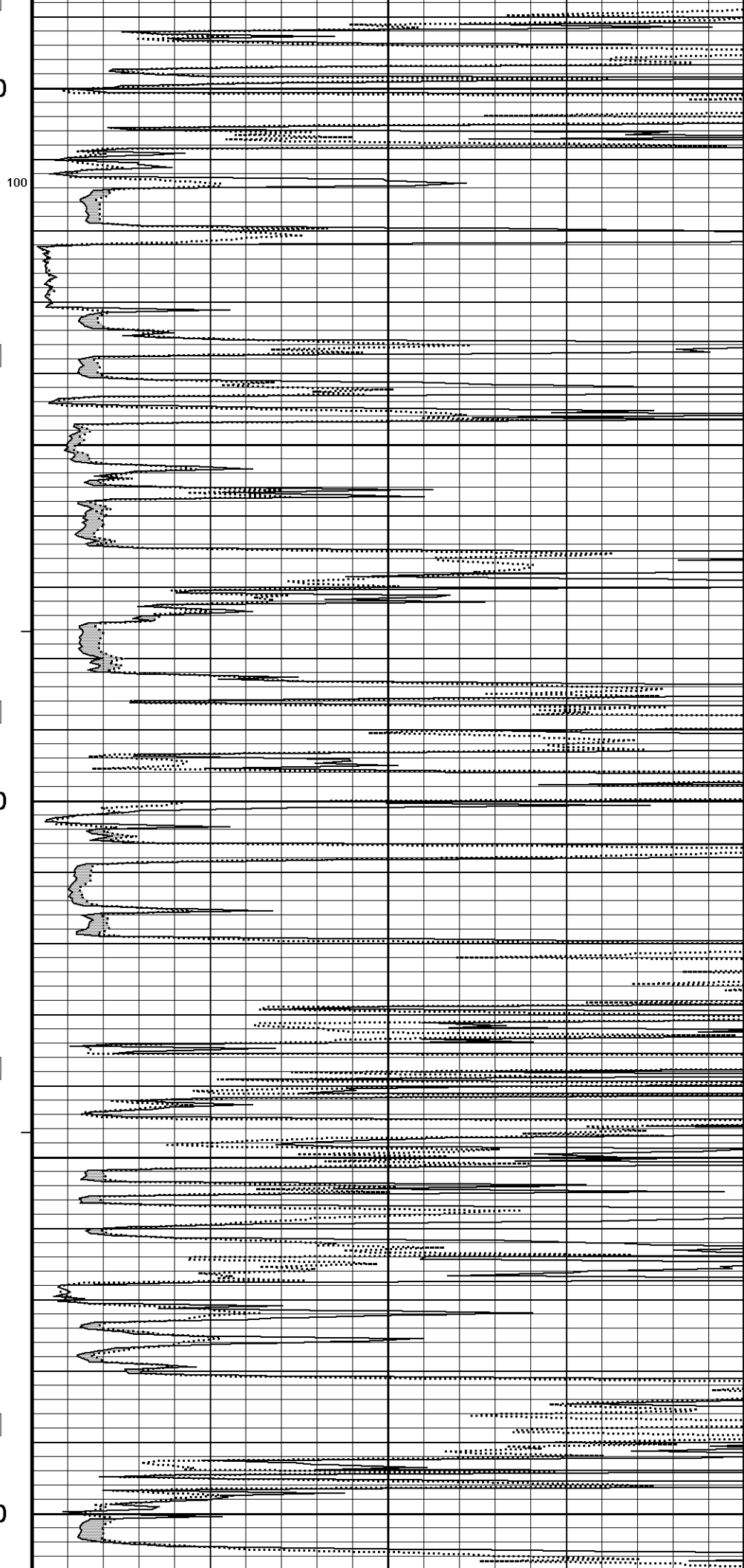
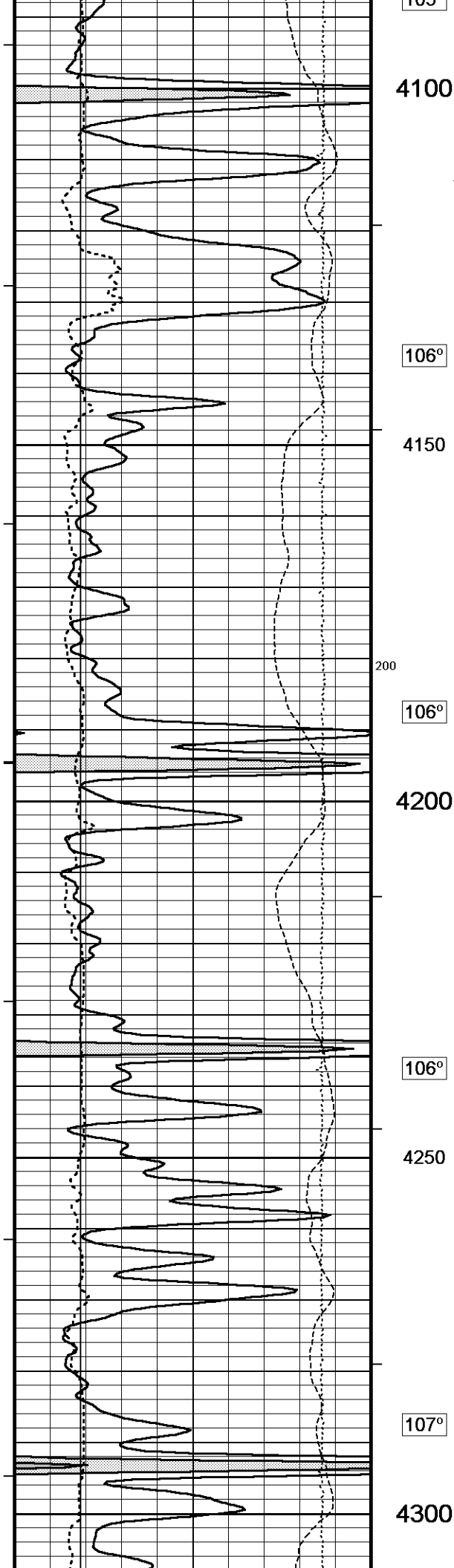
- JUNIOR FIELD ENGINEER: J. LAPOINT.

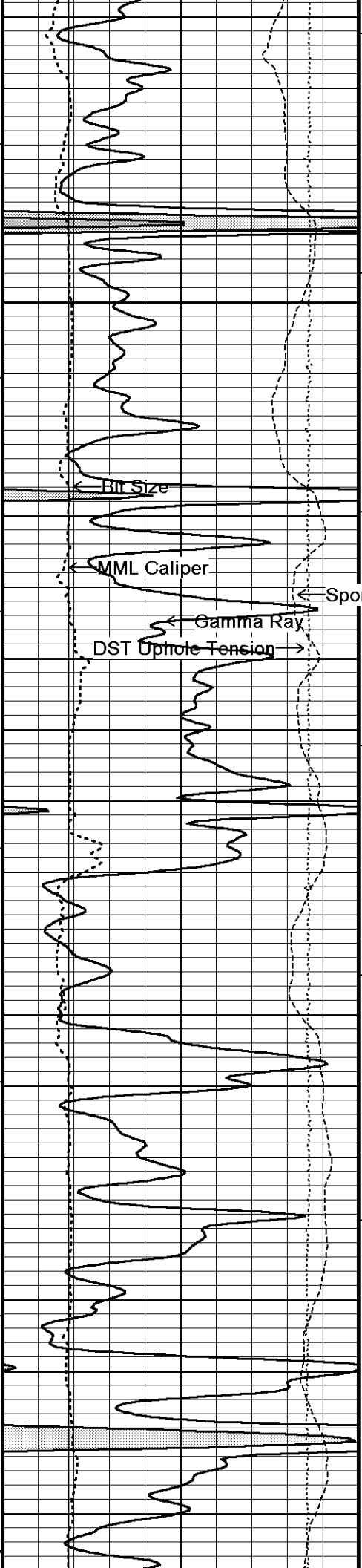
- OPERATORS: C. RAMIREZ AND K. PHILLIPS

In interpreting, communicating or providing information and/or making recommendations, either written or oral, as to logs or test or other data, type or amount of material, or Work or other service to be furnished, or manner of performance, or in predicting results to be obtained, the Contractor will give the Company the benefit of the Contractor's best judgment based on its experience and will perform all such Work in a good and workmanlike manner. Any interpretation of test or other data, and any recommendation or reservoir description based upon such interpretations, are opinions based upon inferences from measurements and empirical relationships and assumptions, which inferences and assumptions are not infallible, and with respect to which professional engineers and analysts may differ. ACCORDINGLY ANY INTERPRETATION OR RECOMMENDATION RESULTING FROM THE SERVICES WILL BE AT THE SOLE RISK OF THE COMPANY, AND THE CONTRACTOR CANNOT AND DOES NOT WARRANT THE ACCURACY, CORRECTNESS OR COMPLETENESS OF ANY SUCH INTERPRETATION OR RECOMMENDATION, WHICH INTERPRETATIONS AND RECOMMENDATIONS SHOULD NOT, THEREFORE, UNDER ANY CIRCUMSTANCES BE RELIED UPON AS THE SOLE OR MAIN BASIS FOR ANY DRILLING, COMPLETION, WELL TREATMENT, PRODUCTION OR FINANCIAL DECISION, OR ANY PROCEDURE INVOLVING ANY RISK TO THE SAFETY OF ANY DRILLING ACTIVITY, DRILLING RIG OR ITS CREW OR ANY OTHER INDIVIDUAL. THE COMPANY HAS FULL RESPONSIBILITY FOR ALL DECISIONS CONCERNING THE SERVICES.









107°

4350

Micro-normal

108°

Spontaneous Potential

4400

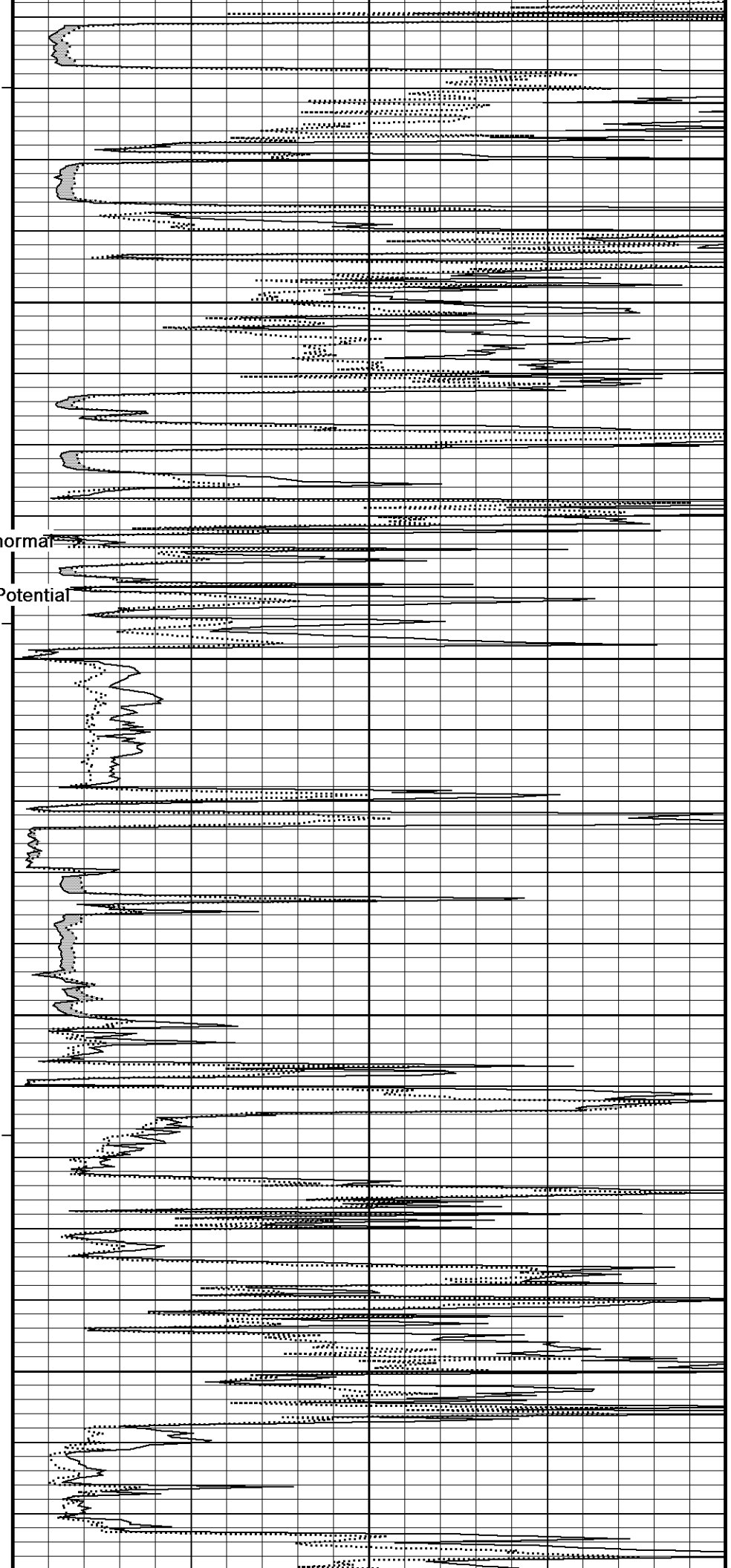
108°

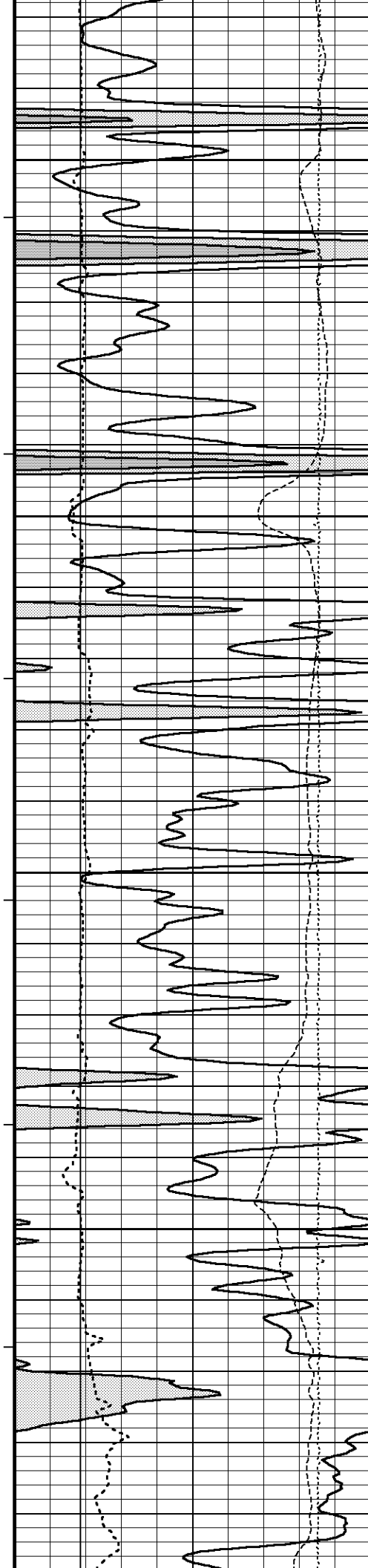
4450

109°

4500

100





109°

4550

110°

4600

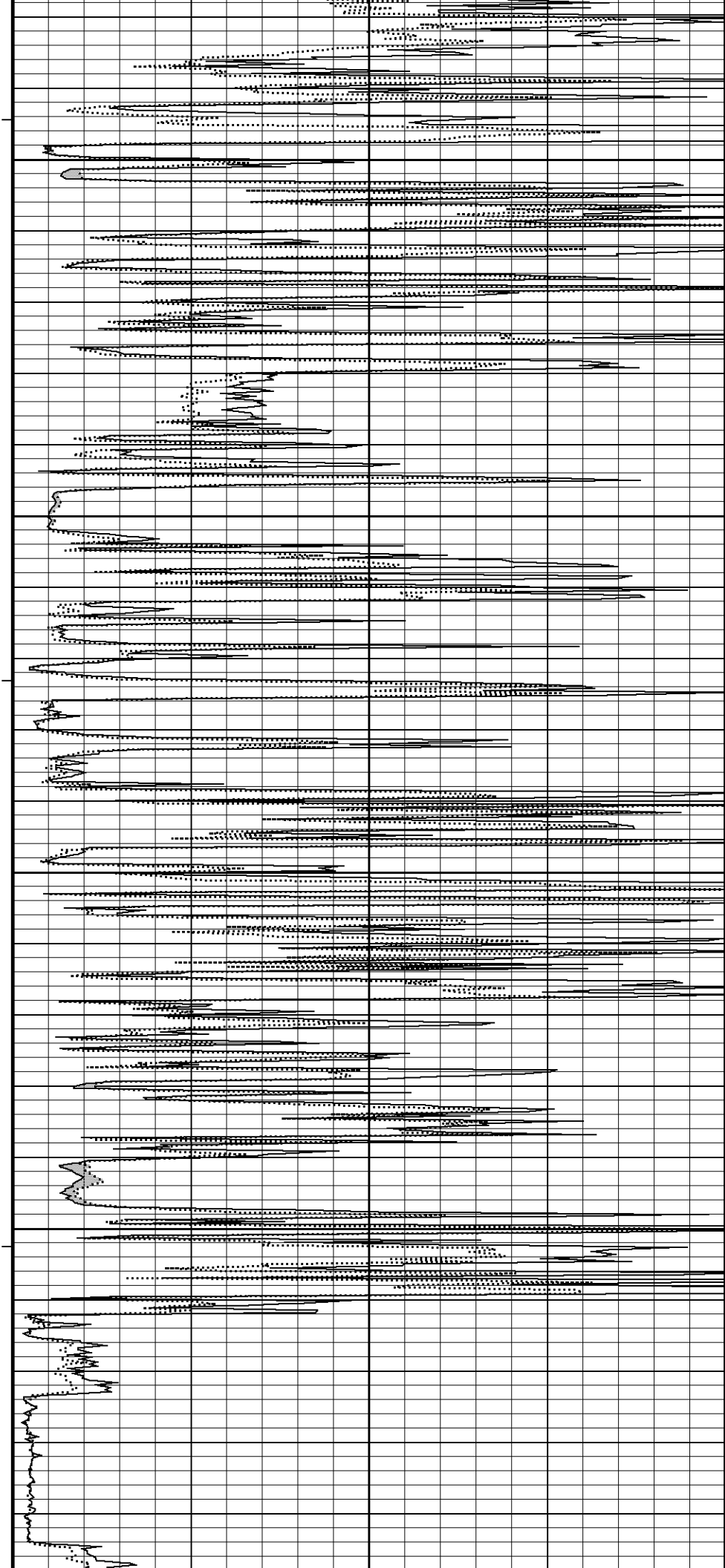
110°

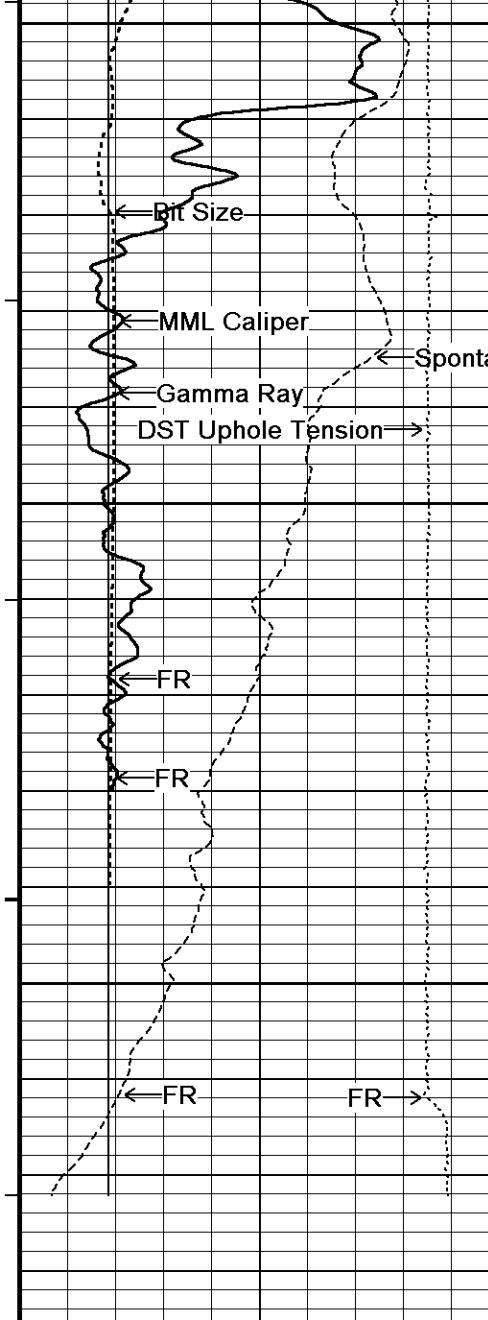
4650

111°

4700

112°





4750

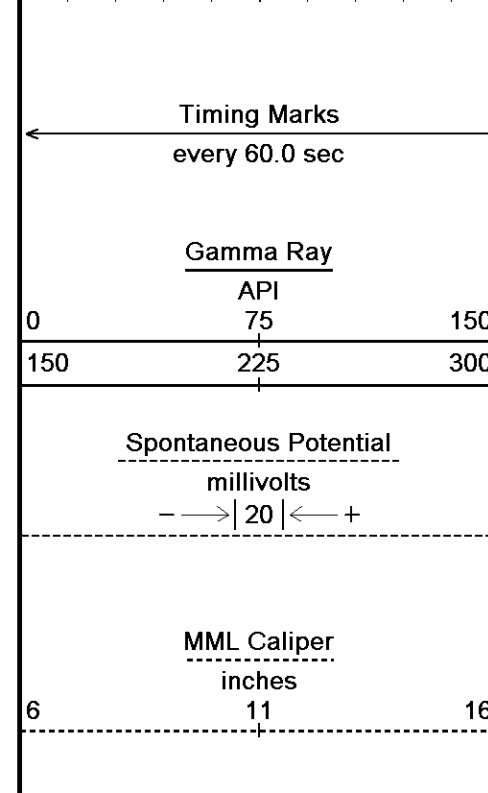
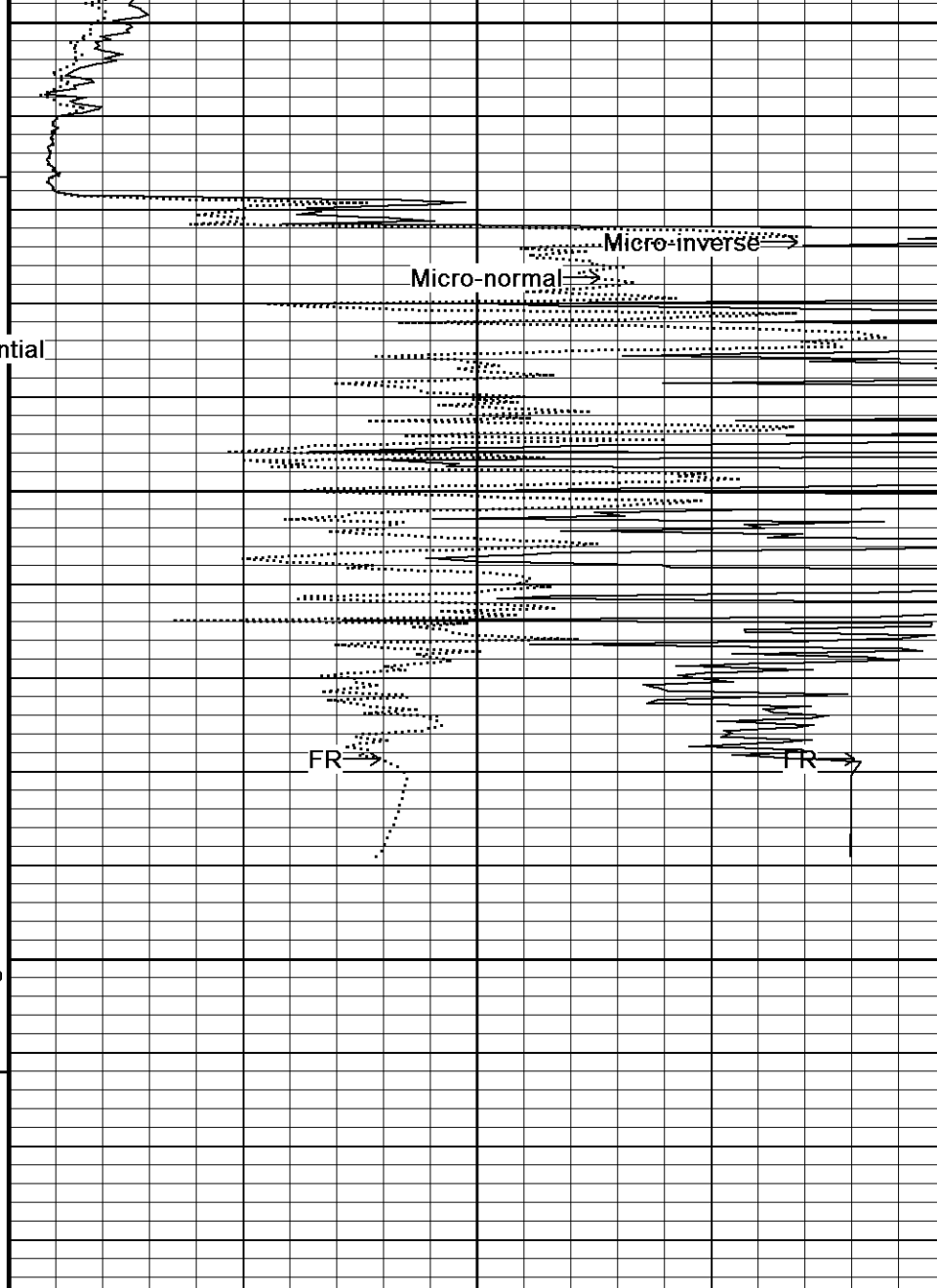
4800

4850

0

TD

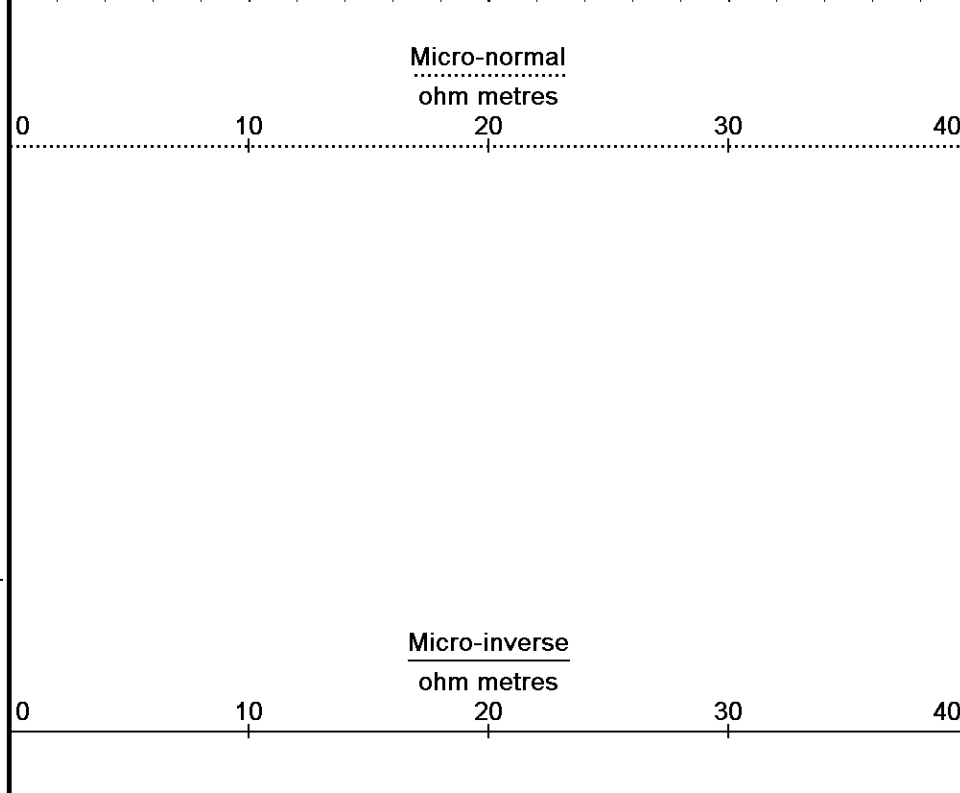
Depth in Feet

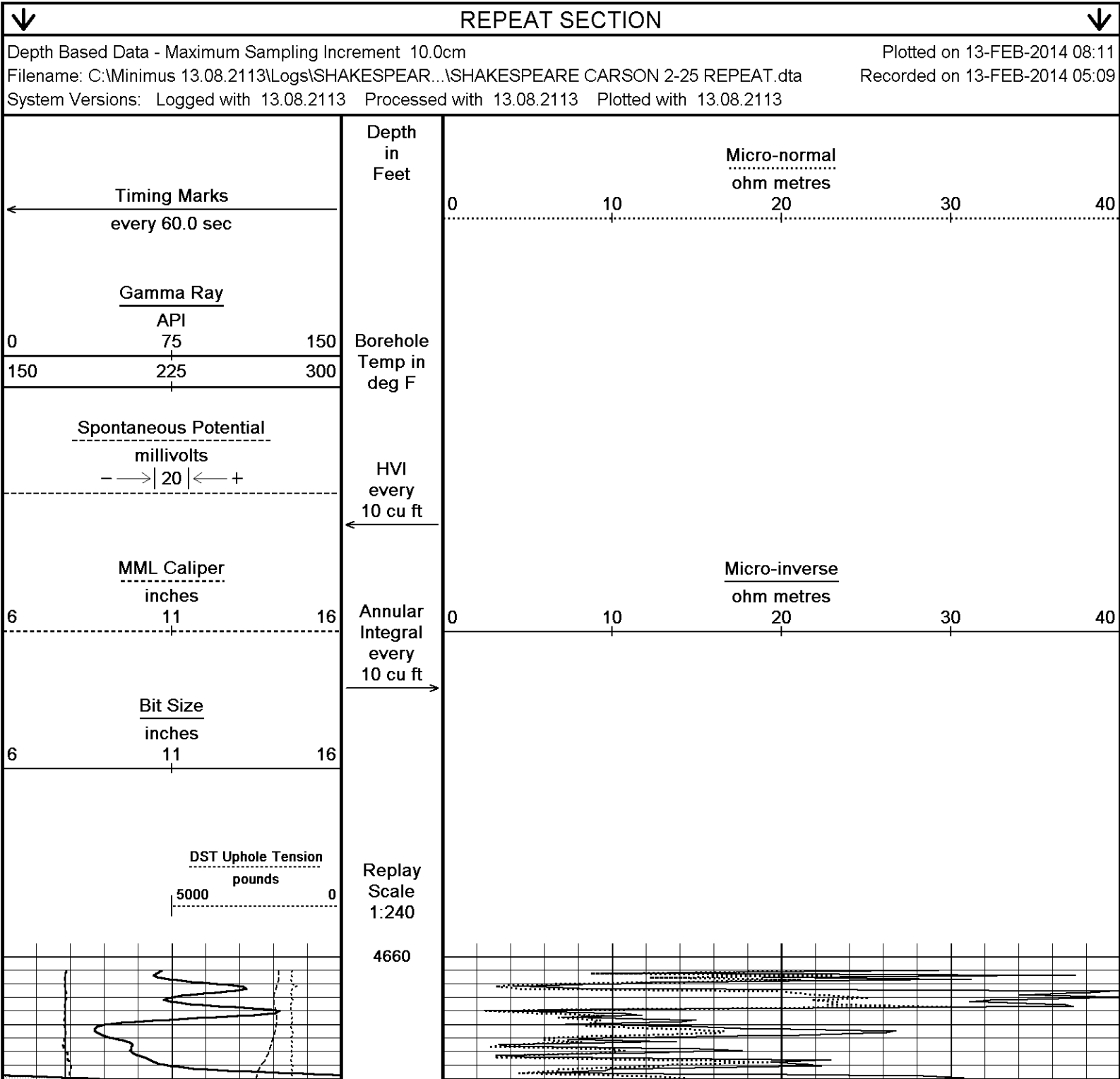
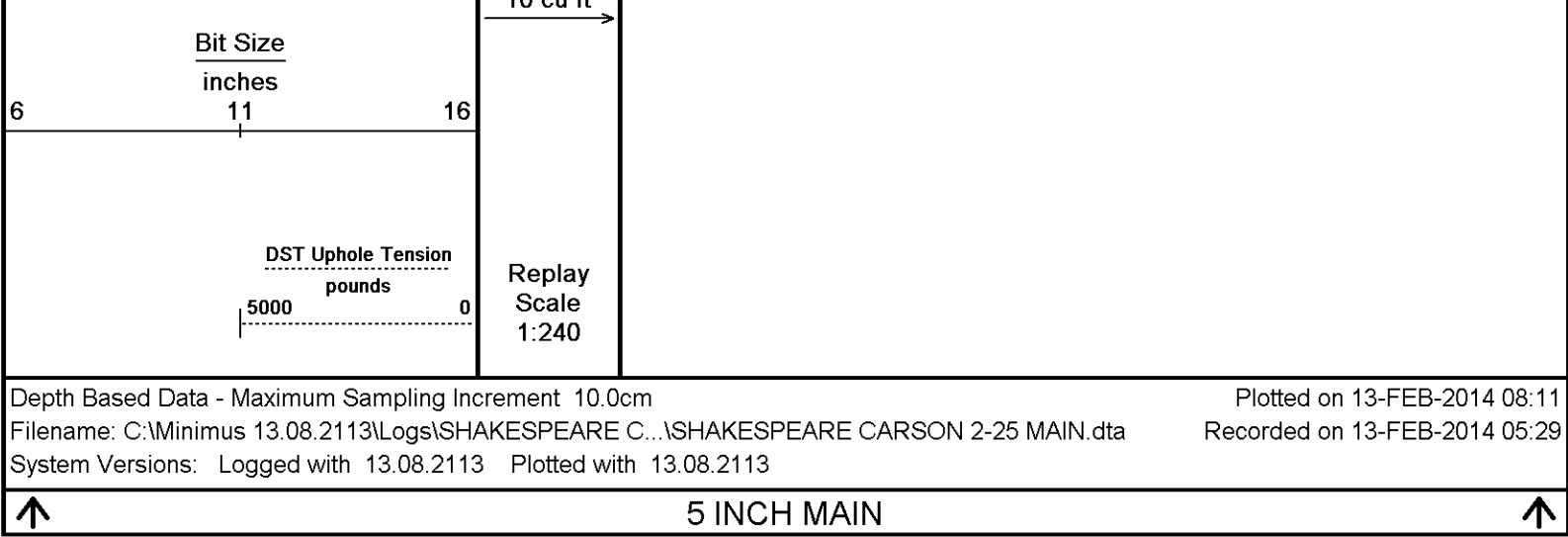


Borehole  
Temp in  
deg F

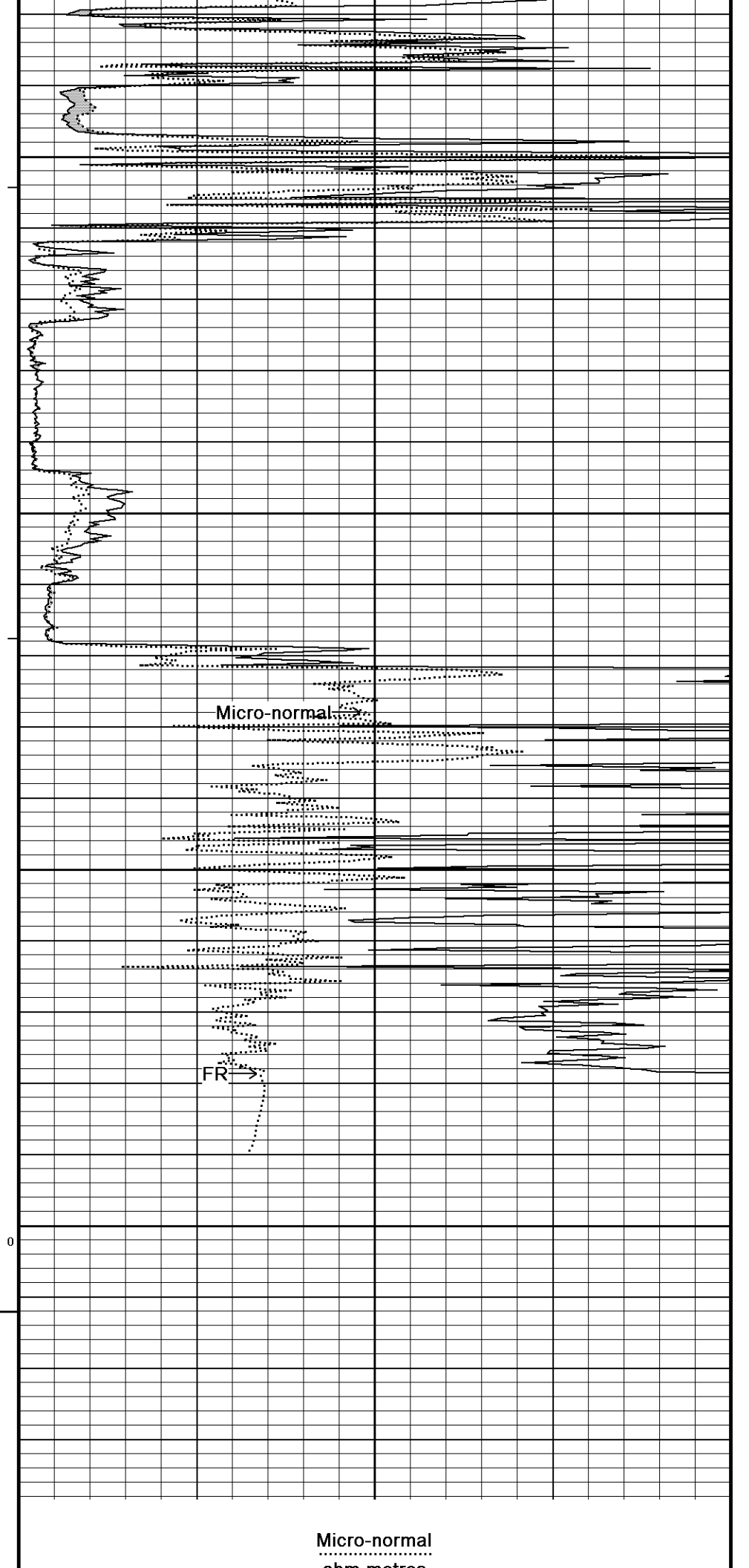
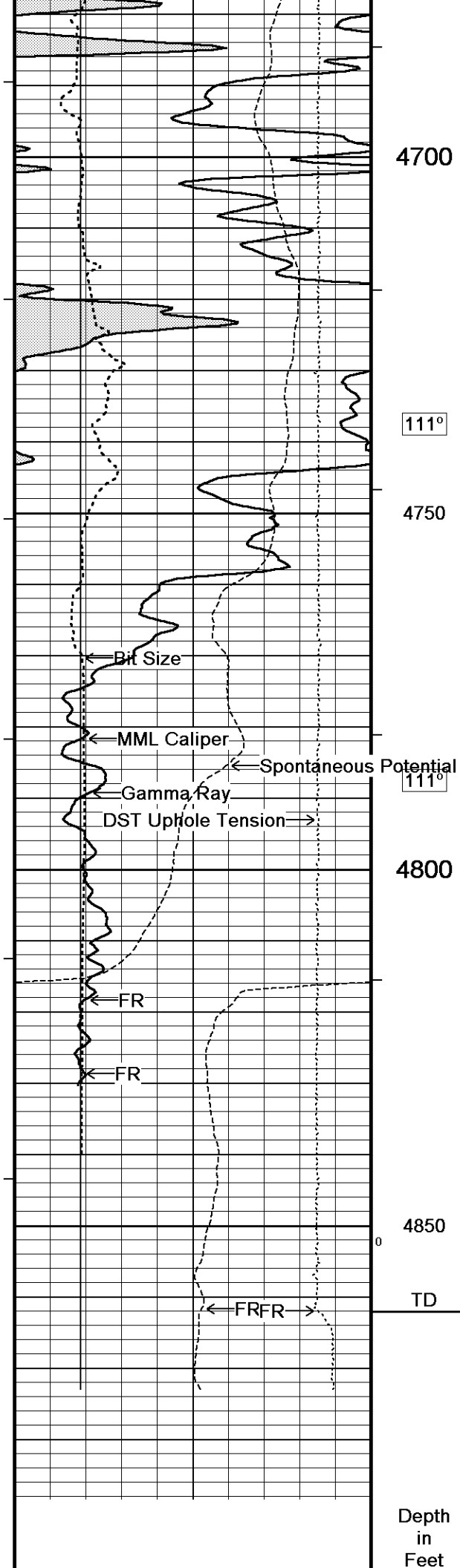
HVI  
every  
10 cu ft

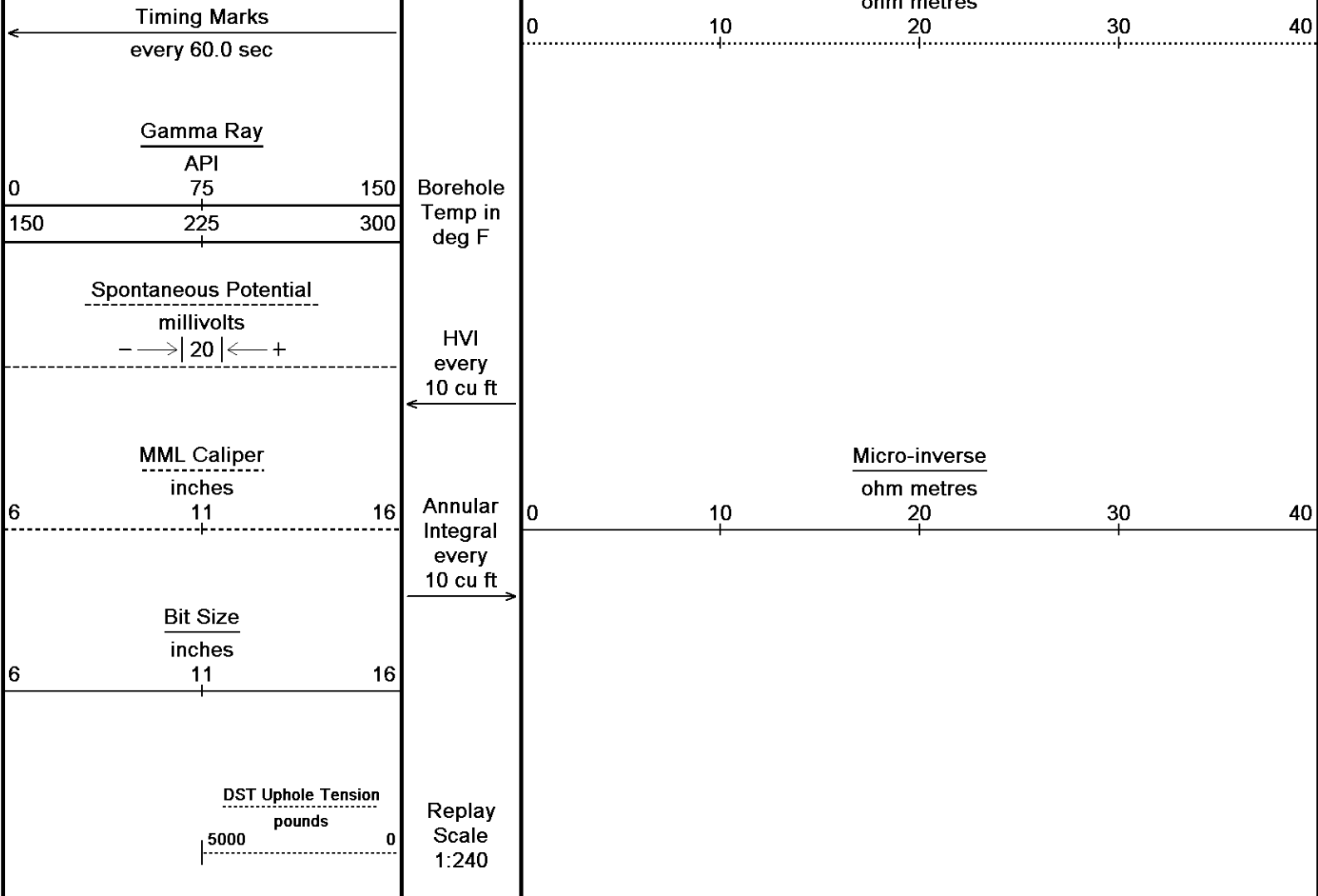
Annular  
Integral  
every  
10 cu ft











Depth Based Data - Maximum Sampling Increment 10.0cm  
Filename: C:\Minimus 13.08.2113\Logs\SHAKESPEARE CARSON 2-25 REPEAT.dta  
System Versions: Logged with 13.08.2113 Processed with 13.08.2113 Plotted with 13.08.2113

↑ REPEAT SECTION ↑

| BEFORE SURVEY CALIBRATION                                                             |                       |                                  |
|---------------------------------------------------------------------------------------|-----------------------|----------------------------------|
| C:\Minimus 13.08.2113\Logs\SHAKESPEARE CARSON 2-25\SHAKESPEARE CARSON 2-25 REPEAT.dta |                       |                                  |
| General Constants All 000                                                             |                       | Last Edited on 13-FEB-2014,03:17 |
| General Parameters                                                                    |                       |                                  |
| Mud Resistivity                                                                       | 0.800                 | ohm-metres                       |
| Mud Resistivity Temperature                                                           | 60.000                | degrees F                        |
| Water Level                                                                           | 0.000                 | feet                             |
| Borehole Fluid Processing                                                             | Wet Hole              |                                  |
| Hole/Annular Volume and Differential Caliper Parameters                               |                       |                                  |
| HVOL Method                                                                           | Single Caliper        |                                  |
| HVOL Caliper 1                                                                        | Density Caliper       |                                  |
| HVOL Caliper 2                                                                        | N/A                   |                                  |
| Annular Volume Diameter                                                               | 5.500                 | inches                           |
| Caliper for Differential Caliper                                                      | MMR Caliper           |                                  |
| Rwa Parameters                                                                        |                       |                                  |
| Porosity used                                                                         | Base Density Porosity |                                  |
| Resistivity used                                                                      | Array Ind. One Res Rt |                                  |
| RWA Constant A                                                                        | 0.610                 |                                  |
| RWA Constant M                                                                        | 2.150                 |                                  |
| SW/APOR Tool Source                                                                   | 0.000                 |                                  |

Down-hole Tension Calibration SMS 0  
Field Calibration on 13-FEB-2014 04:26

|            |          |                  |
|------------|----------|------------------|
| Reading No | Measured | Calibrated (lbs) |
| 1          | 14763.00 | 0.00             |
| 2          | 15190.54 | 407.90           |

|                               |          |                  |                                        |
|-------------------------------|----------|------------------|----------------------------------------|
| Gamma Calibration MCG-D.K 443 |          |                  | Field Calibration on 01-FEB-2014 16:05 |
|                               | Measured | Calibrated (API) |                                        |
| Background                    | 72       | 48               |                                        |
| Calibrator (Gross)            | 1170     | 773              |                                        |
| Calibrator (Net)              | 1098     | 725              |                                        |

|                               |                 |       |                                  |
|-------------------------------|-----------------|-------|----------------------------------|
| Gamma Constants MCG-D.K 443   |                 |       | Last Edited on 12-FEB-2014,16:29 |
| Gamma Calibrator Number       | GRC038          |       |                                  |
| Mud Density                   | 1.14            | gm/cc |                                  |
| Caliper Source for Processing | Density Caliper |       |                                  |
| Tool Position                 | Centred         |       |                                  |
| Concentration of KCl          |                 | kppm  |                                  |
| K Mud Type                    | Chloride        |       |                                  |
| K Mud Concentration           | 0.00            | %     |                                  |

|                            |          |                 |                                        |
|----------------------------|----------|-----------------|----------------------------------------|
| SP Calibration MCG-D.K 443 |          |                 | Field Calibration on 21-JAN-2014 16:12 |
|                            | Measured | Calibrated (mV) |                                        |
| Reference 1                | 100.2    | 98.8            |                                        |
| Reference 2                | -97.4    | -99.0           |                                        |

|                                                     |          |                   |                                        |
|-----------------------------------------------------|----------|-------------------|----------------------------------------|
| High Resolution Temperature Calibration MCG-D.K 443 |          |                   | Field Calibration on 21-JAN-2014,16:09 |
|                                                     | Measured | Calibrated(Deg F) |                                        |
| Lower                                               | 50.00    | 50.00             |                                        |
| Upper                                               | 75.00    | 75.00             |                                        |

|                                                   |    |  |                                  |
|---------------------------------------------------|----|--|----------------------------------|
| High Resolution Temperature Constants MCG-D.K 443 |    |  | Last Edited on 23-JAN-2014,17:11 |
| Pre-filter Length                                 | 11 |  |                                  |

|                                 |                       |                      |                                                                                 |
|---------------------------------|-----------------------|----------------------|---------------------------------------------------------------------------------|
| Caliper Calibration MMR-C.A 248 |                       |                      | Base Calibration on 23-JAN-2014 16:52<br>Field Calibration on 01-FEB-2014 15:48 |
| Base Calibration                |                       |                      |                                                                                 |
| Reading No                      | Measured              | Calibrator Size (in) |                                                                                 |
| 1                               | 13431                 | 5.98                 |                                                                                 |
| 2                               | 16626                 | 7.97                 |                                                                                 |
| 3                               | 19813                 | 9.86                 |                                                                                 |
| 4                               | 23733                 | 11.92                |                                                                                 |
| 5                               | 0                     | 0.00                 |                                                                                 |
| 6                               | N/A                   | N/A                  |                                                                                 |
| Field Calibration               |                       |                      |                                                                                 |
|                                 | Measured Caliper (in) | Actual Caliper (in)  |                                                                                 |
|                                 | 7.97                  | 7.97                 |                                                                                 |

|                                                        |                    |                     |                               |                                                                           |
|--------------------------------------------------------|--------------------|---------------------|-------------------------------|---------------------------------------------------------------------------|
| Micro Normal and Micro Inverse Calibration MMR-C.A 248 |                    |                     |                               | Base Calibration on 23-JAN-2014 17:07<br>Field Check on 01-FEB-2014 15:50 |
| Base Calibration                                       |                    |                     |                               |                                                                           |
| Channel                                                | Resistor 1         | Measured Resistor 2 | Calibrated (ohm-m) Resistor 1 | Resistor 2                                                                |
| Micro Normal                                           | 10.2               | 49.9                | 5.1                           | 25.6                                                                      |
| Micro Inverse                                          | 9.9                | 49.5                | 3.4                           | 16.9                                                                      |
| Channel                                                | Base Check (ohm-m) |                     | Field Check (ohm-m)           |                                                                           |
| Micro Normal                                           | 93.6               |                     | 93.6                          |                                                                           |
| Micro Inverse                                          | 62.2               |                     | 62.2                          |                                                                           |

|                                                      |                                             |  |  |                                  |
|------------------------------------------------------|---------------------------------------------|--|--|----------------------------------|
| Micro Normal and Micro Inverse Constants MMR-C.A 248 |                                             |  |  | Last Edited on 23-JAN-2014,17:04 |
| Pad Type                                             | 8-12 in Soft Rubber Inflatable 006-9011-159 |  |  |                                  |
| Micro Normal K Factor                                | 0.5110                                      |  |  |                                  |
| Micro Inverse K Factor                               | 0.3380                                      |  |  |                                  |
| Standoff Offset                                      | 0.0000                                      |  |  | inches                           |

|                                 |          |                  |                                                                           |
|---------------------------------|----------|------------------|---------------------------------------------------------------------------|
| Neutron Calibration MDN-B.J 387 |          |                  | Base Calibration on 21-JAN-2014 13:56<br>Field Check on 01-FEB-2014 16:09 |
| Base Calibration                |          |                  |                                                                           |
|                                 | Measured | Calibrated (cps) |                                                                           |

|                          |           |                  |
|--------------------------|-----------|------------------|
|                          | Measured  | Calibrated (cps) |
|                          | Near 2848 | Far 110          |
| Ratio                    | 32.942    | 33.764           |
| Field Calibrator at Base |           | Calibrated (cps) |
|                          |           | 1737 2564        |
| Ratio                    |           | 0.677            |
| Field Check              |           | Calibrated (cps) |
|                          |           | 1749 2569        |
| Ratio                    |           | 0.678            |

|                                 |                 |                                  |  |
|---------------------------------|-----------------|----------------------------------|--|
| Neutron Constants MDN-B.J 387   |                 | Last Edited on 12-FEB-2014,16:28 |  |
| Neutron Source Id               | P58125B         |                                  |  |
| Neutron Jig Number              | 5824NE          |                                  |  |
| Epithermal Neutron              |                 |                                  |  |
| Caliper Source for Processing   | Density Caliper |                                  |  |
| Stand-off                       | 0.00            | inches                           |  |
| Mud Density                     | 1.00            | gm/cc                            |  |
| Limestone Sigma                 | 7.10            | cu                               |  |
| Sandstone Sigma                 | 4.26            | cu                               |  |
| Dolomite Sigma                  | 4.70            | cu                               |  |
| Formation Pressure Source       | None            |                                  |  |
| Formation Pressure              | N/A             | kpsi                             |  |
| Temperature Source              | Constant Value  |                                  |  |
| Temperature                     | 68.00           | degrees F                        |  |
| Mud Salinity                    | 0.00            | kppm                             |  |
| Salinity Correction             | Not Applied     |                                  |  |
| Formation Fluid Salinity Source | None            |                                  |  |
| Formation Fluid Salinity        | N/A             | kppm                             |  |
| Barite Mud Correction           | Not Applied     |                                  |  |

|                           |          |                                                                           |  |
|---------------------------|----------|---------------------------------------------------------------------------|--|
| FE Calibration MFE-A.A 55 |          | Base Calibration on 21-JAN-2014 15:20<br>Field Check on 01-FEB-2014 15:36 |  |
| Base Calibration          |          |                                                                           |  |
|                           | Measured | Calibrated (ohm-m)                                                        |  |
| Reference 1               | 0.0      | 0.0                                                                       |  |
| Reference 2               | 951.8    | 126.8                                                                     |  |
| Base Check                |          | 281.4                                                                     |  |
| Field Check               |          | 281.4                                                                     |  |

|                                  |                          |                                  |  |
|----------------------------------|--------------------------|----------------------------------|--|
| FE Constants MFE-A.A 55          |                          | Last Edited on 12-FEB-2014,16:26 |  |
| Running Mode                     | No Sleeve                |                                  |  |
| MFE K Factor                     | 0.1268                   |                                  |  |
| Caliper Source for FE correction | Density Caliper          |                                  |  |
| Caliper Value for FE correction  | N/A                      | inches                           |  |
| Rm Source for FE correction      | Temperature Corr         |                                  |  |
| Temp. for Rm Corr.               | MCG External Temperature |                                  |  |
| Stand-off                        | 0.5                      | inches                           |  |

|                                 |                     |                                                                           |  |
|---------------------------------|---------------------|---------------------------------------------------------------------------|--|
| Induction Calibration MAI-A.A 5 |                     | Base Calibration on 21-JAN-2014,09:50<br>Field Check on 01-FEB-2014 15:35 |  |
| Base Calibration                |                     |                                                                           |  |
| Test Loop Calibration           |                     |                                                                           |  |
| Channel                         | Measured            | Calibrated (mmho/m)                                                       |  |
|                                 | Low High            | Low High                                                                  |  |
| 1                               | 16.3 470.8          | 9.3 966.2                                                                 |  |
| 2                               | 5.6 376.1           | 7.6 821.4                                                                 |  |
| 3                               | 2.6 266.1           | 5.2 566.0                                                                 |  |
| 4                               | 1.6 130.0           | 2.6 279.2                                                                 |  |
| Array Temperature               | 71.1                | Deg F                                                                     |  |
| Channel                         | Base Check (mmho/m) | Field Check (mmho/m)                                                      |  |
|                                 | Low High            | Low High                                                                  |  |
| 1                               |                     | 14.3 3863.2                                                               |  |
| 2                               |                     | 31.7 3591.9                                                               |  |
| 3                               |                     | 29.8 2972.7                                                               |  |
| 4                               |                     | 20.8 2127.2                                                               |  |

|         |      |        |
|---------|------|--------|
| Deep    | 18.4 | 1913.3 |
| Medium  | 43.1 | 3862.9 |
| Shallow | 47.1 | 5373.9 |

|                   |      |       |
|-------------------|------|-------|
| Array Temperature | 57.9 | Deg F |
|-------------------|------|-------|

# Induction Constants MAI-A.A 5

Last Edited on 12-FEB-2014,16:25

|                                   |                          |            |        |
|-----------------------------------|--------------------------|------------|--------|
| Induction Model                   | RtAP-WBM                 |            |        |
| Caliper for Borehole Corr.        | Density Caliper          |            |        |
| Hole Size for Borehole Correction | N/A                      | inches     |        |
| Tool Centred                      | No                       |            |        |
| Stand-off Type                    | Fins                     |            |        |
| Stand-off                         | 0.50                     | inches     |        |
| Number of Fins on Stand-off       | 8.0000                   |            |        |
| Stand-off Fin Angle               | 45.00                    | degrees    |        |
| Stand-off Fin Width               | 0.5000                   | inches     |        |
| Borehole Corr. Rm Source          | Temperature Corr         |            |        |
| Temp. for Rm Corr.                | MCG External Temperature |            |        |
| Squasher Start                    | 0.0020                   | mhos/metre |        |
| Squasher Offset                   | N/A                      | mhos/metre |        |
| Borehole Normalisation            |                          |            |        |
| DRM1                              | 0.0000                   | DRC1       | 0.0000 |
| DRM2                              | 0.0000                   | DRC2       | 0.0000 |
| MRM1                              | 0.0000                   | MRC1       | 0.0000 |
| MRM2                              | 0.0000                   | MRC2       | 0.0000 |
| SRM1                              | 0.0000                   | SRC1       | 0.0000 |
| SRM2                              | 0.0000                   | SRC2       | 0.0000 |

|                              |      |             |  |
|------------------------------|------|-------------|--|
| Calibration Site Corrections |      |             |  |
| Channel 1                    | 0.00 | mmhos/metre |  |
| Channel 2                    | 0.00 | mmhos/metre |  |
| Channel 3                    | 0.00 | mmhos/metre |  |
| Channel 4                    | 0.00 | mmhos/metre |  |

|                                                  |        |         |  |
|--------------------------------------------------|--------|---------|--|
| Apparent Porosity and Water Saturation Constants |        |         |  |
| Archie Constant (A)                              | 1.00   |         |  |
| Cementation Exponent (M)                         | 2.00   |         |  |
| Saturation Exponent (N)                          | 2.00   |         |  |
| Saturation of Water for Apor                     | 100.00 | percent |  |
| Resistivity of Water for Apor and Sw             | 0.05   | ohm-m   |  |
| Resistivity of Mud Filtrate for Sw               | 0.00   | ohm-m   |  |
| Source for Rt                                    | 0.00   |         |  |
| Source for Rxo                                   | 0.00   |         |  |

# High Resolution Temperature Calibration MAI-A.A 5

Field Calibration on 21-JAN-2014,15:43

|       |          |                   |
|-------|----------|-------------------|
|       | Measured | Calibrated(Deg F) |
| Lower | 50.00    | 50.00             |
| Upper | 75.00    | 75.00             |

# High Resolution Temperature Constants MAI-A.A 5

Last Edited on 21-JAN-2014,15:42

|                   |    |
|-------------------|----|
| Pre-filter Length | 11 |
|-------------------|----|

# Photo Density Calibration MPD-B 64

Base Calibration on 21-JAN-2014 13:19  
Field Check on 01-FEB-2014 15:45

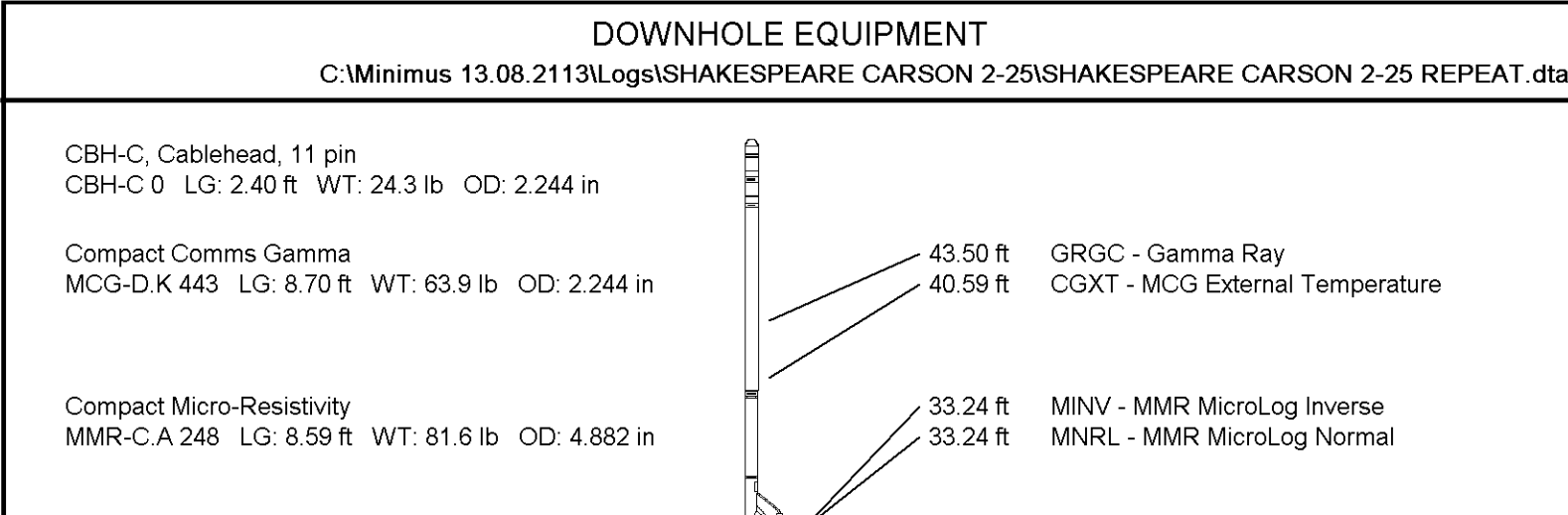
|                     |          |        |                  |       |
|---------------------|----------|--------|------------------|-------|
| Density Calibration |          |        |                  |       |
| Base Calibration    | Measured |        |                  |       |
|                     | Near     | Far    | Calibrated (sdu) |       |
|                     |          |        | Near             | Far   |
| Background          | 1151     | 1332   |                  |       |
| Reference 1         | 54413    | 28212  | 59556            | 30836 |
| Reference 2         | 21794    | 2569   | 24941            | 2541  |
| Field Check at Base |          |        |                  |       |
|                     | 1151.0   | 1331.7 |                  |       |
| Field Check         |          |        |                  |       |
|                     | 1154.9   | 1339.2 |                  |       |

PE Calibration

| Base Calibration    |       | Measured | Calibrated |
|---------------------|-------|----------|------------|
|                     | WS    | WH       | Ratio      |
| Background          | 207   | 1021     |            |
| Reference 1         | 20693 | 54218    | 0.385      |
| Reference 2         | 5952  | 21660    | 0.278      |
| Field Check at Base |       |          |            |
|                     | 206.5 | 1020.6   |            |
| Field Check         |       |          |            |
|                     | 207.6 | 1025.5   |            |

|                               |                 |                                  |  |
|-------------------------------|-----------------|----------------------------------|--|
| Density Constants MPD-B 64    |                 | Last Edited on 12-FEB-2014,16:27 |  |
| Density Source Id             | P50557B         |                                  |  |
| Nylon Calibrator Number       | DNCE695         |                                  |  |
| Aluminium Calibrator Number   | DACD698         |                                  |  |
| Density Shoe Profile          | 8 inch          |                                  |  |
| Caliper Source for Processing | Density Caliper |                                  |  |
| PE Correction to Density      | Not Applied     |                                  |  |
| Mud Density                   | 1.14            | gm/cc                            |  |
| Mud Density Z/A Multiplier    | 1.11            |                                  |  |
| Mud Filtrate Density          | 1.00            | gm/cc                            |  |
| Dry Hole Mud Filtrate Density | 1.00            | gm/cc                            |  |
| DNCT                          | 0.00            | gm/cc                            |  |
| CRCT                          | 0.00            | gm/cc                            |  |
| Density Z/A Correction        | Hybrid          |                                  |  |
| Matrix Density (gm/cc)        | Depth (ft)      |                                  |  |
| 2.71                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |
| 0.00                          | 0.00            |                                  |  |

|                              |                       |                                                                                 |  |
|------------------------------|-----------------------|---------------------------------------------------------------------------------|--|
| Caliper Calibration MPD-B 64 |                       | Base Calibration on 21-JAN-2014 12:58<br>Field Calibration on 13-FEB-2014,07:47 |  |
| Base Calibration             |                       |                                                                                 |  |
| Reading No                   | Measured              | Calibrator Size (in)                                                            |  |
| 1                            | 16591                 | 3.99                                                                            |  |
| 2                            | 25434                 | 5.98                                                                            |  |
| 3                            | 34292                 | 7.97                                                                            |  |
| 4                            | 42640                 | 9.86                                                                            |  |
| 5                            | 51901                 | 11.92                                                                           |  |
| 6                            | N/A                   | N/A                                                                             |  |
| Field Calibration            |                       |                                                                                 |  |
|                              | Measured Caliper (in) | Actual Caliper (in)                                                             |  |
|                              | 7.99                  | 7.97                                                                            |  |



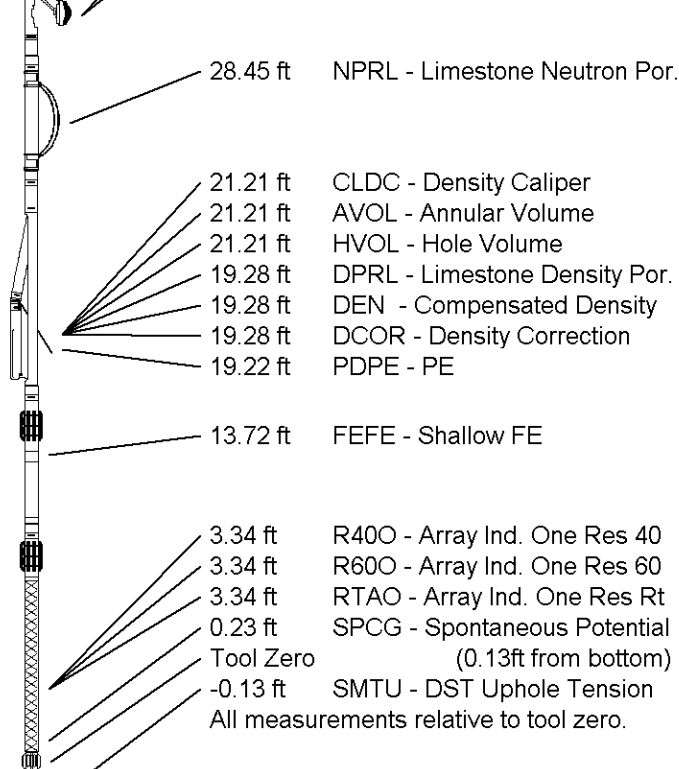
Compact Neutron  
MDN-B.J 387 LG: 5.04 ft WT: 50.7 lb OD: 2.244 in

Compact Density/Caliper  
MPD-B 64 LG: 9.59 ft WT: 90.4 lb OD: 2.449 in

Compact Focused Electric  
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.244 in

Compact Induction  
MAI-A.A 5 LG: 10.81 ft WT: 48.5 lb OD: 2.244 in

Total Length: 51.18 ft Weight: 407.9 lb



|                 |                           |
|-----------------|---------------------------|
| COMPANY         | SHAKESPEARE OIL CO., INC. |
| WELL            | CARSON 2-25               |
| FIELD           | PENCE EAST                |
| PROVINCE/COUNTY | SCOTT                     |
| COUNTRY/STATE   | U.S.A. / KANSAS           |

|                         |         |      |               |         |      |
|-------------------------|---------|------|---------------|---------|------|
| Elevation Kelly Bushing | 3112.00 | feet | First Reading | 4829.00 | feet |
| Elevation Drill Floor   | 3110.00 | feet | Depth Driller | 4860.00 | feet |
| Elevation Ground Level  | 3100.00 | feet | Depth Logger  | 4862.00 | feet |



**Weatherford®**

MICRORESISTIVITY LOG