



MICRO LOG

Company Sutherland Energy LLC  
 Well MCMU #2  
 Field Unnamed  
 County Grant  
 State KANSAS

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 Field Unnamed  
 County Grant State KANSAS

Location: API #: 15-067-21876  
 991' FNL & 2928' FEL  
 SEC 3 TWP 30S RGE 35W  
 Permanent Datum Ground Level Elevation 2952'  
 Log Measured From KB 13' AGL  
 Drilling Measured From KB  
 Other Services  
 ML  
 CDNL  
 Elevation  
 K.B. 2965'  
 D.F. 2964'  
 G.L. 2952'

|                              |                  |
|------------------------------|------------------|
| Date                         | 12/31/23         |
| Run Number                   | TWO              |
| Depth Driller                | 5450'            |
| Depth Logger                 | 5440'            |
| Bottom Logged Interval       | 5438'            |
| Top Log Interval             | 4850'            |
| Casing Driller               | 8 5/8"@1706'     |
| Casing Logger                | 1706'            |
| Bit Size                     | 7 7/8"           |
| Type Fluid in Hole           | Chemical         |
| Density / Viscosity          | 9.0/48           |
| pH / Fluid Loss              | 11/7.2           |
| Source of Sample             | Pit              |
| Rm @ Meas. Temp              | 2.7@60degf       |
| Rmf @ Meas. Temp             | 2.2@60degf       |
| Rmc @ Meas. Temp             | 3.5@60degf       |
| Source of Rmf / Rmc          | Calculated       |
| Rm @ BHT                     | 3.5@60degf       |
| Time Circulation Stopped     | 6:45 PM          |
| Time Logger on Bottom        | 12:05 a.m        |
| Maximum Recorded Temperature | 118degf          |
| Equipment Number             | T-605            |
| Location                     | Hays, KS.        |
| Recorded By                  | Colby Drilling   |
| Witnessed By                 | Duane Sutherland |

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

37.4728106,-101.1257323

Thanks for using Gemini Wireline LLC  
 785-625-1182

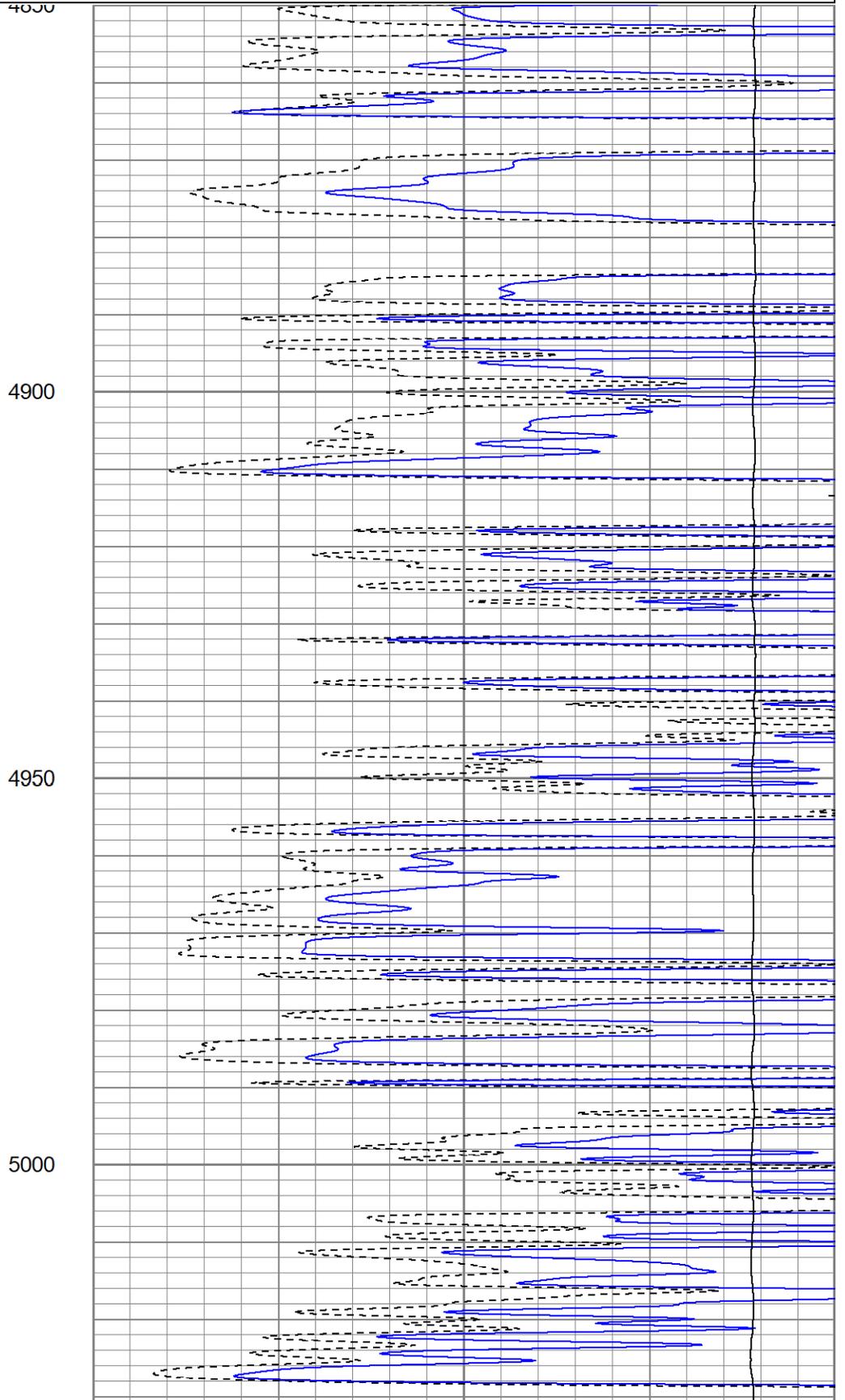
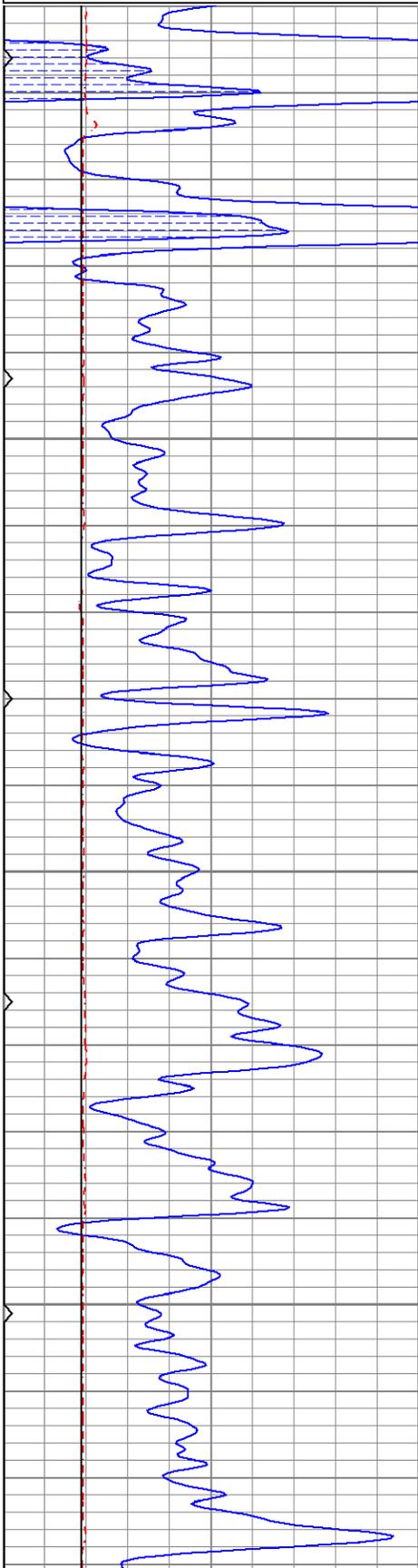


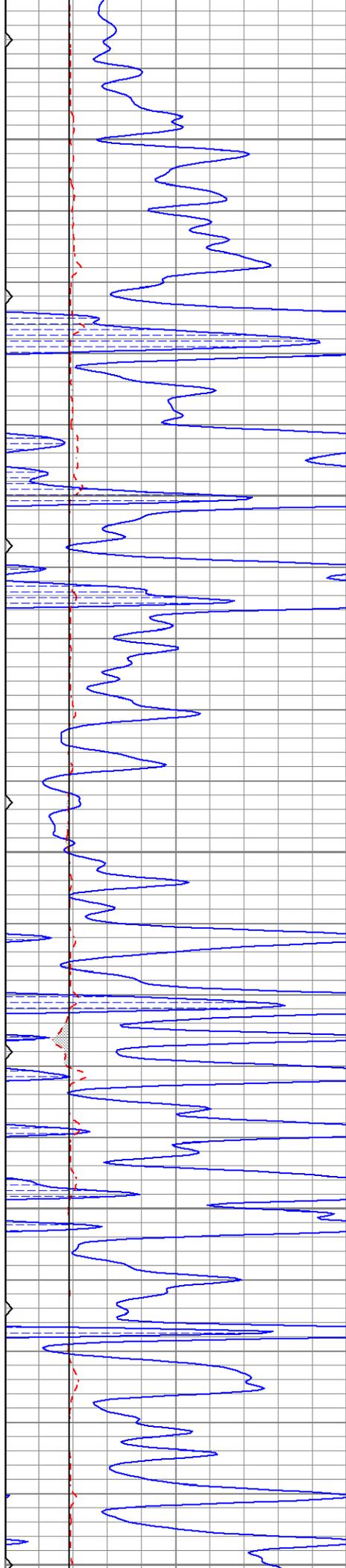
MAIN PASS

Database File semcmu#2oh.db  
 Dataset Pathname pass5  
 Presentation Format kml  
 Dataset Creation Sun Dec 31 00:27:41 2023  
 Charted by Depth in Feet scaled 1:240

|   |             |     |
|---|-------------|-----|
| 0 | GR (GAPI)   | 150 |
| 6 | MCAL (in)   | 16  |
| 6 | BOREID (in) | 16  |
| 0 | MINMK       | 50  |

|       |               |    |
|-------|---------------|----|
| 0     | MN 2" (Ohm-m) | 20 |
| 0     | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb)     | 0  |





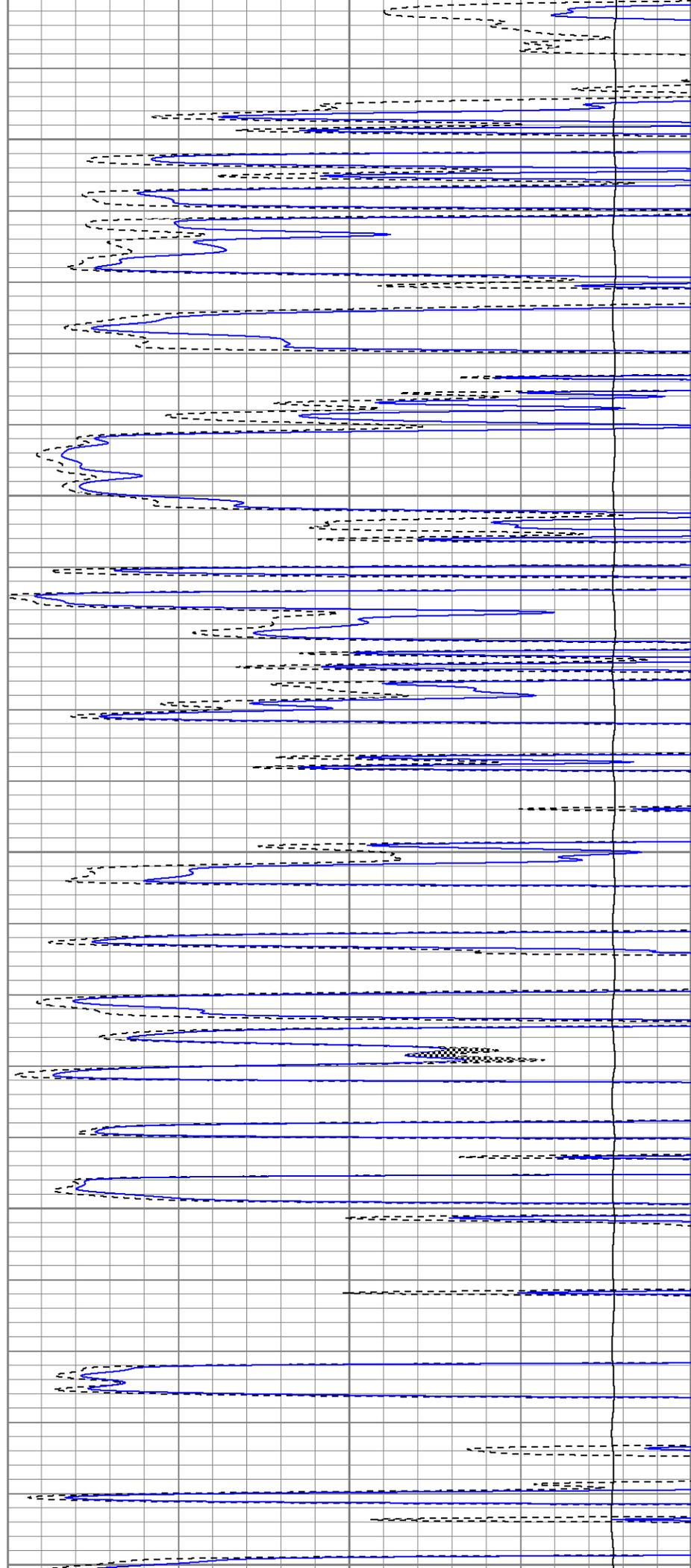
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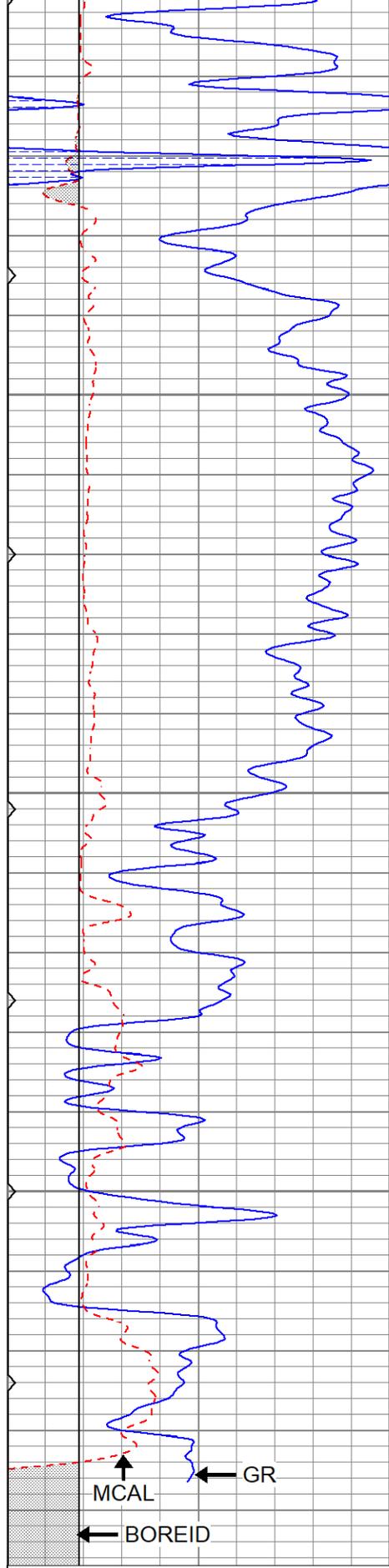
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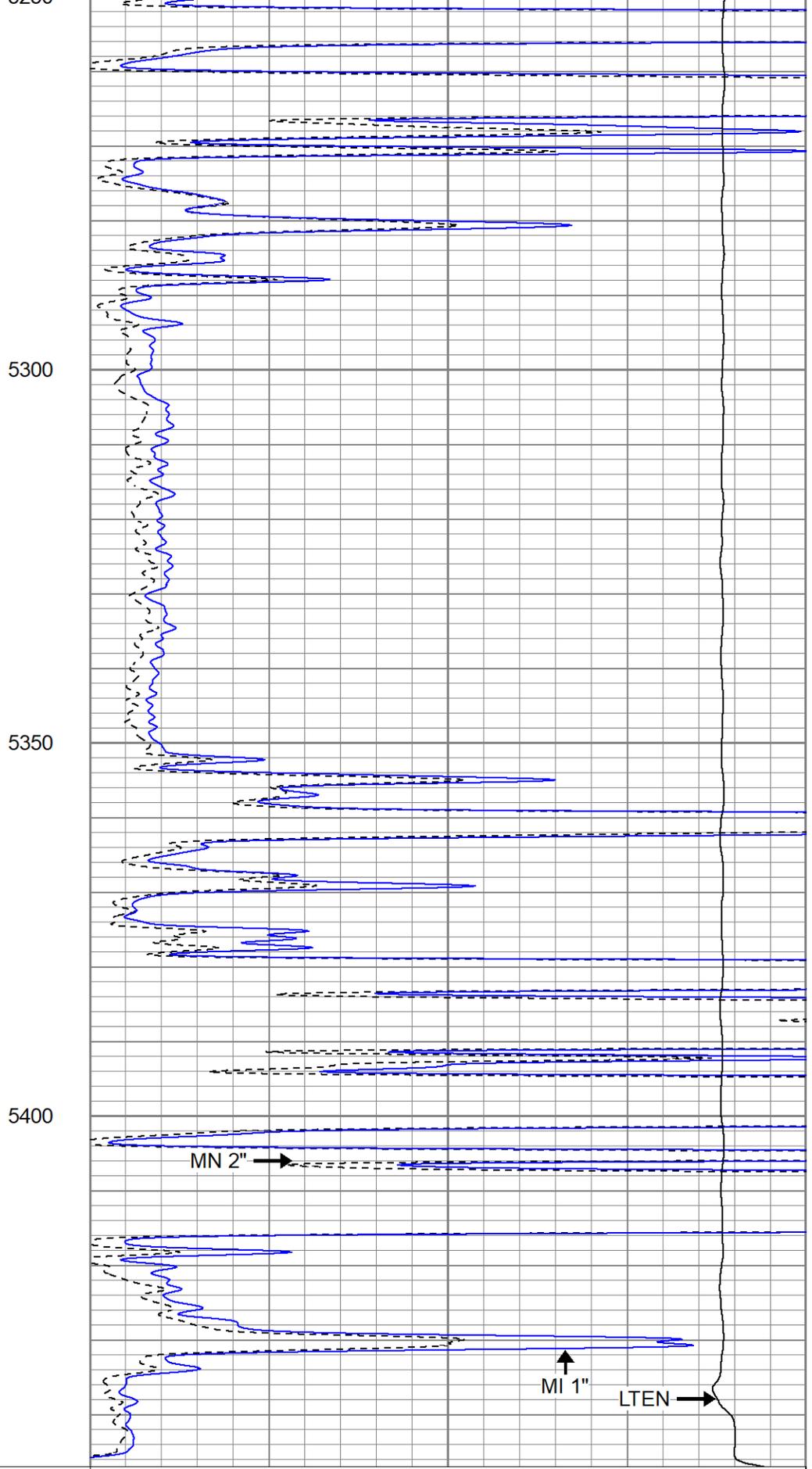
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5250





|   |             |     |
|---|-------------|-----|
| 0 | GR (GAPI)   | 150 |
| 6 | MCAL (in)   | 16  |
| 6 | BOREID (in) | 16  |
| 0 | MINMK       | 50  |



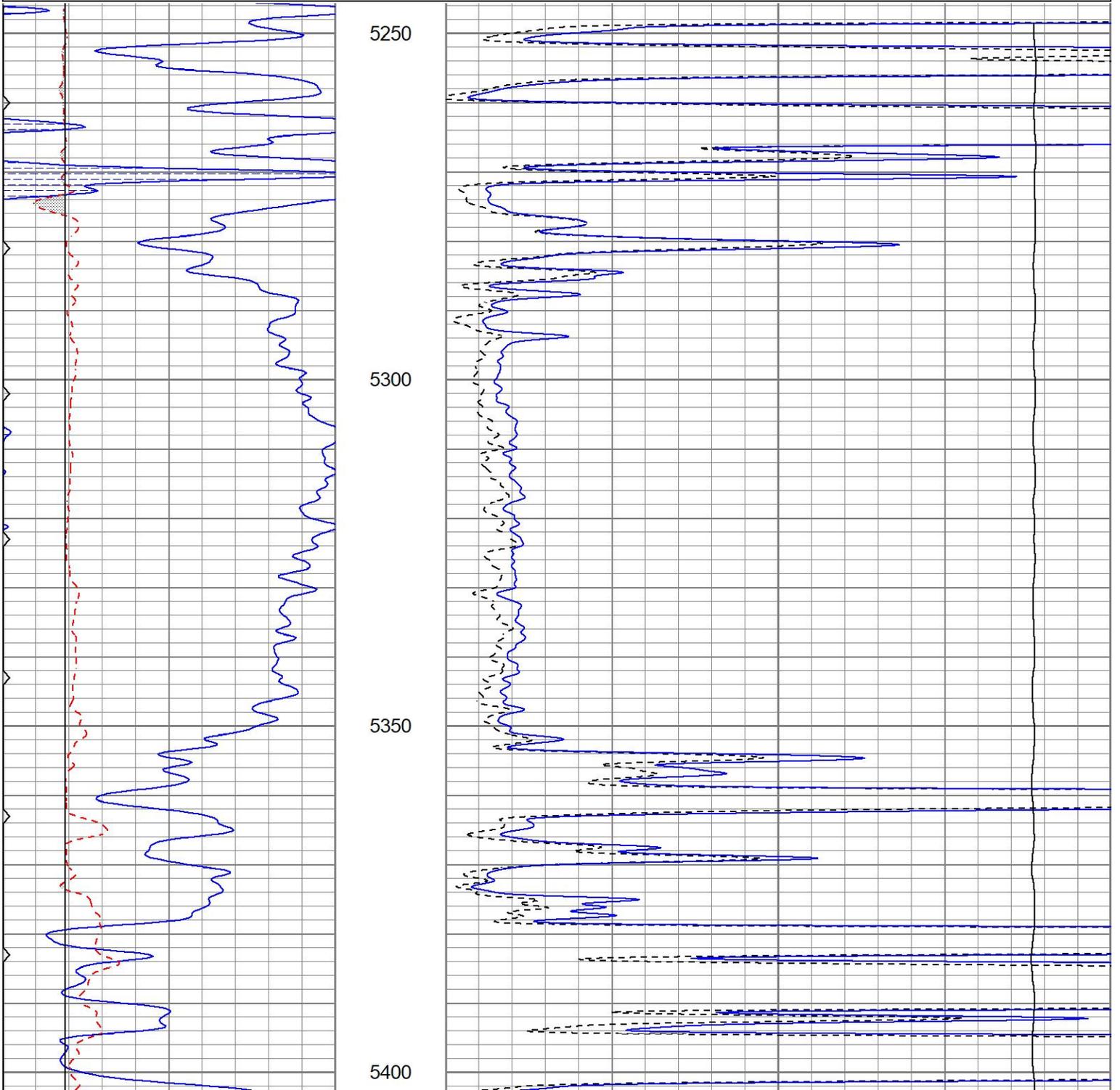
|       |               |    |
|-------|---------------|----|
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| 0     | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb)     | 0  |

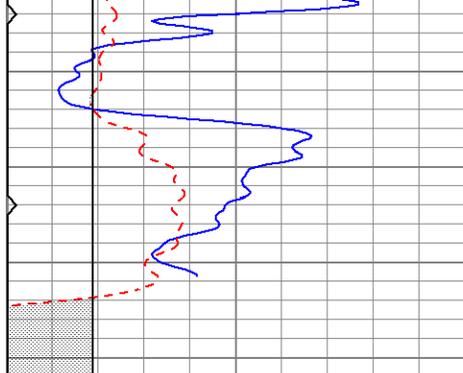


# REPEAT SECTION

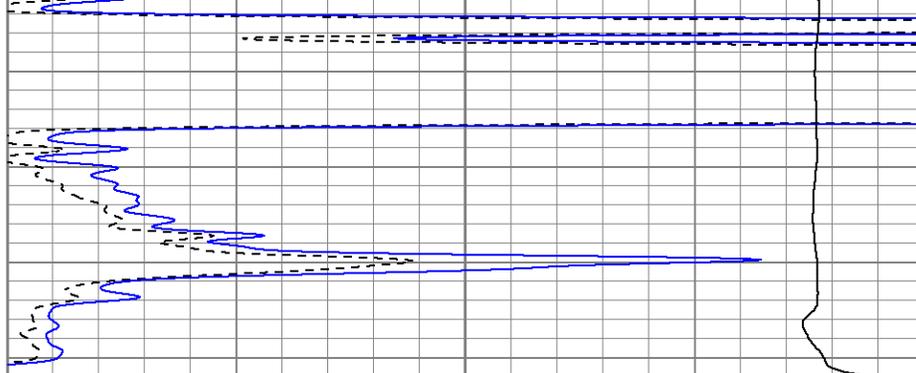
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 Presentation Format kml  
 Dataset Creation Sun Dec 31 00:48:14 2023  
 Charted by Depth in Feet scaled 1:240

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|---|-------------|-----|-------|---------------|----|
| 0 | GR (GAPI)   | 150 | 0     | MN 2" (Ohm-m) | 20 |
| 6 | MCAL (in)   | 16  | 0     | MI 1" (Ohm-m) | 20 |
| 6 | BOREID (in) | 16  | 10000 | LTEN (lb)     | 0  |
| 0 | MINMK       | 50  |       |               |    |





|   |             |     |
|---|-------------|-----|
| 0 | GR (GAPI)   | 150 |
| 6 | MCAL (in)   | 16  |
| 6 | BOREID (in) | 16  |
| 0 | MINMK       | 50  |



|       |               |    |
|-------|---------------|----|
| 0     | MN 2" (Ohm-m) | 20 |
| 0     | MI 1" (Ohm-m) | 20 |
| 10000 | LTEN (lb)     | 0  |

### Calibration Report

Database File semcmu#2oh.db  
 Dataset Pathname pass5  
 Dataset Creation Sun Dec 31 00:27:41 2023

### Microlog Calibration Report

Serial-Model: 012-Pengo  
 Performed: Sun Dec 31 00:09:46 2023

|         | Readings |        |   | References |         |       | Results  |         |
|---------|----------|--------|---|------------|---------|-------|----------|---------|
|         | Zero     | Cal    |   | Zero       | Cal     |       | m        | b       |
| Normal  | 0.0220   | 0.1137 | V | 0.0000     | 10.0000 | Ohm-m | 109.0740 | -2.4026 |
| Inverse | 0.0156   | 0.1377 | V | 0.0000     | 10.0000 | Ohm-m | 81.8852  | -1.2747 |
| Caliper | 2.7578   | 4.6384 | V | 8.4000     | 14.2000 | in    | 3.0841   | -0.1054 |

### Gamma Ray Calibration Report

Serial Number: 2001  
 Tool Model: OH  
 Performed: Sat Nov 11 18:52:32 2023

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7600 GAPI/cps

| Sensor | Offset (ft) | Schematic | Description          | Length (ft) | O.D. (in) | Weight (lb) |
|--------|-------------|-----------|----------------------|-------------|-----------|-------------|
| GR     | 8.13        |           | CHD-None             | 0.75        | 1.50      | 5.00        |
| MCAL   | 1.30        |           | GR-OH (2001)<br>2001 | 3.56        | 3.25      | 40.00       |
| MI     | 1.30        |           | ML-Pengo (012)       | 6.97        | 3.50      | 100.00      |
| MN     | 1.30        |           |                      |             |           |             |

Dataset: semcmu#2oh.db: field/well/run1/pass5  
 Total length: 11.28 ft  
 Total weight: 145.00 lb  
 O.D.: 3.50 in