

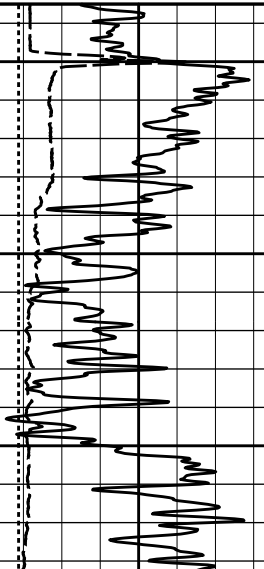
HALLIBURTON

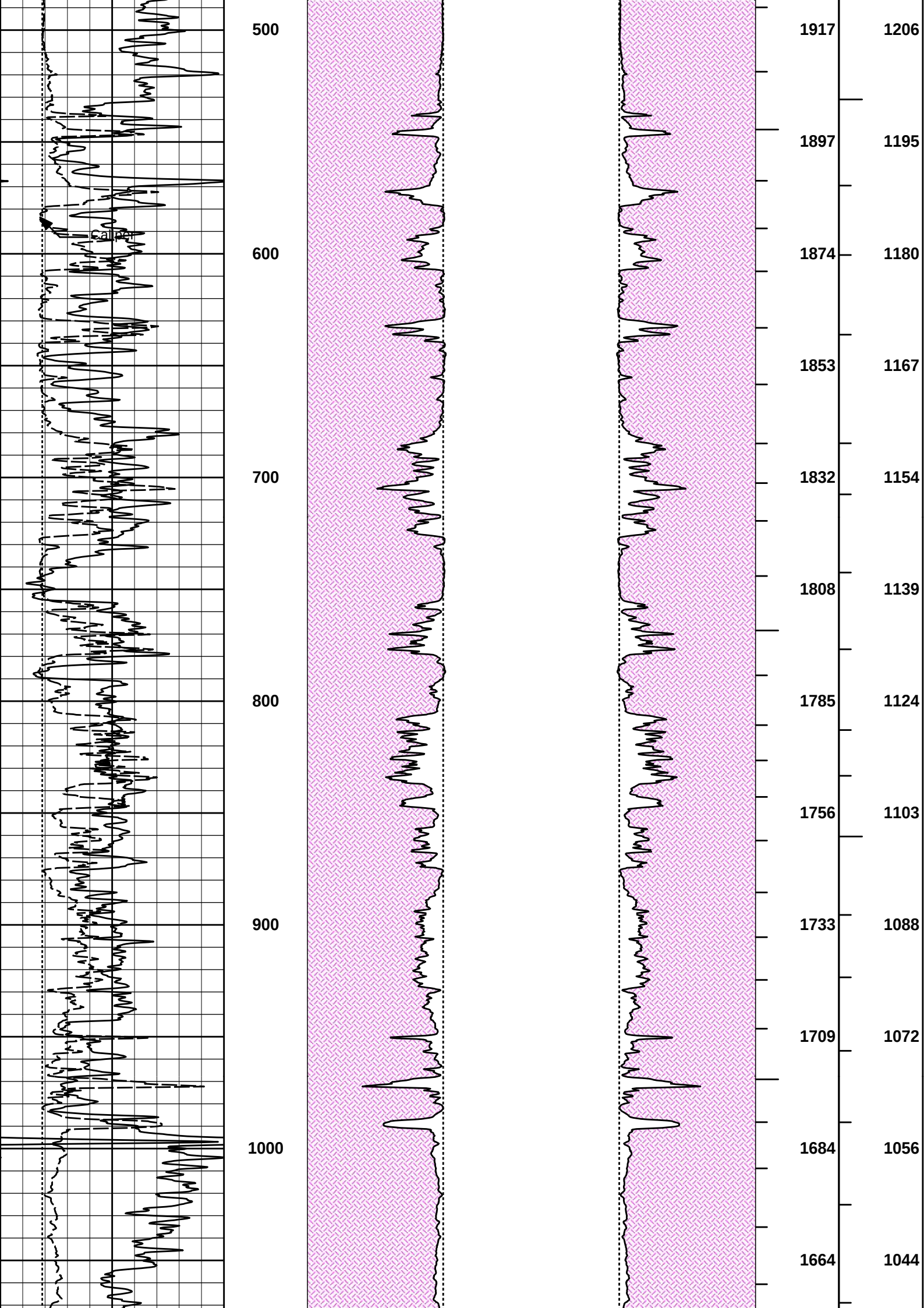
ANNULAR HOLE VOLUME

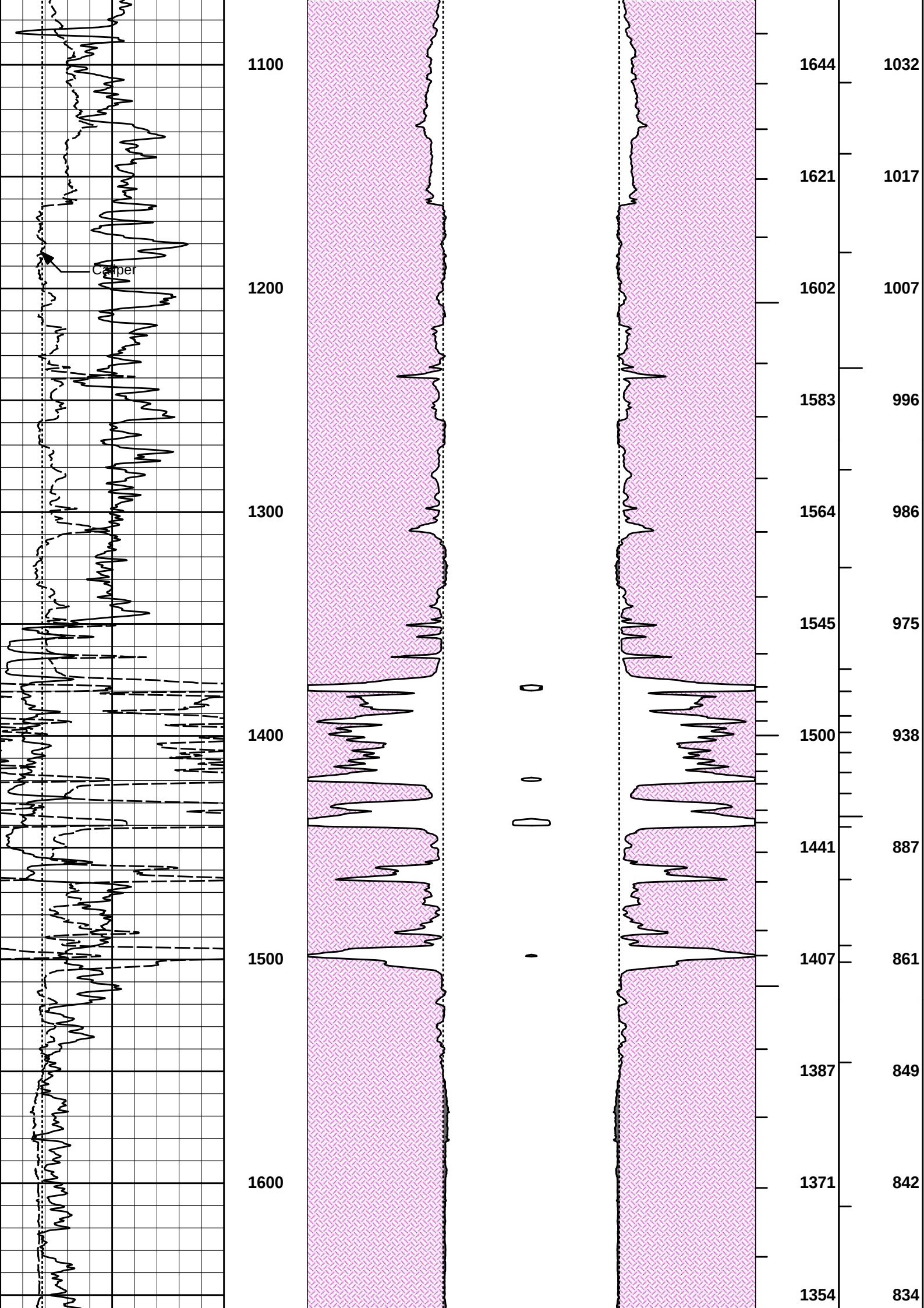
|                                                                    |  |  |  |                                                                     |  |  |  |
|--------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------|--|--|--|
| COMPANY<br>WELL<br>FIELD/BLOCK<br>COUNTY                           |  |  |  | HARTMAN OIL COMPANY, INC.<br>BECKER #7<br>DAMME<br>FINNEY<br>KANSAS |  |  |  |
| COMPANY<br>WELL<br>FIELD/BLOCK<br>COUNTY                           |  |  |  | HARTMAN OIL COMPANY, INC.<br>BECKER #7<br>DAMME<br>FINNEY<br>KANSAS |  |  |  |
| API No. 15-055-22458-00<br>Location (SHL) 660' FSL 1320' FEL S2 SE |  |  |  | Other Services:<br>DSNT/SDLT<br>MICROLOG<br>ACRT                    |  |  |  |
| Sect. 8 Twp. 22S Rge. 33E                                          |  |  |  | Elev.: K.B. 2900.0 ft<br>D.F. 2900.0 ft<br>G.L. 2892.0 ft           |  |  |  |
| Permanent Datum<br>Log measured from<br>Drilling measured from     |  |  |  | GL KB 8.0 ft above perm. Datum<br>KB                                |  |  |  |
| Date                                                               |  |  |  | 10-Sep-17                                                           |  |  |  |
| Run No.                                                            |  |  |  | ONE                                                                 |  |  |  |
| Depth - Driller                                                    |  |  |  | 4810.0 ft                                                           |  |  |  |
| Depth - Logger                                                     |  |  |  | 4801.0 ft                                                           |  |  |  |
| Bottom - Logged Interval                                           |  |  |  | 4778.00 ft                                                          |  |  |  |
| Top - Logged Interval                                              |  |  |  | 347.00 ft                                                           |  |  |  |
| Casing - Driller                                                   |  |  |  | 8.625 in @ 347.0 ft                                                 |  |  |  |
| Casing - Logger                                                    |  |  |  | 347.0 ft @                                                          |  |  |  |
| Bit Size                                                           |  |  |  | 7.875 in @                                                          |  |  |  |
| Type Fluid in Hole                                                 |  |  |  | Water Based Mud @                                                   |  |  |  |
| Density                                                            |  |  |  | 8.9 ppg 57.00 s/qt                                                  |  |  |  |
| PH                                                                 |  |  |  | 8.50 pH 10.8 cpm                                                    |  |  |  |
| Source of Sample                                                   |  |  |  | MUD PIT                                                             |  |  |  |
| Rm @ Meas. Temperature                                             |  |  |  | 0.79 ohmm @ 75.00 degF @                                            |  |  |  |
| Rmf @ Meas. Temperature                                            |  |  |  | 0.65 ohmm @ 75.00 degF @                                            |  |  |  |
| Rmc @ Meas. Temperature                                            |  |  |  | 0.93 ohmm @ 75.00 degF @                                            |  |  |  |
| Source Rmf                                                         |  |  |  | MEASURED MEASURED                                                   |  |  |  |
| Rm @ BHT                                                           |  |  |  | 0.52 ohmm @ 118.0 degF @                                            |  |  |  |
| Time Since Circulation                                             |  |  |  | 7.0 hr                                                              |  |  |  |
| Time on Bottom                                                     |  |  |  | 10-Sep-17 15:30                                                     |  |  |  |
| Max. Rec. Temperature                                              |  |  |  | 118.00 degF @ 75.0 ft @                                             |  |  |  |
| Equipment                                                          |  |  |  | 11230668 EL RENO, OK                                                |  |  |  |
| Recorded By                                                        |  |  |  | JORGE ORLANDO PEREZ                                                 |  |  |  |
| Witnessed By                                                       |  |  |  | CHRIS PETERS                                                        |  |  |  |

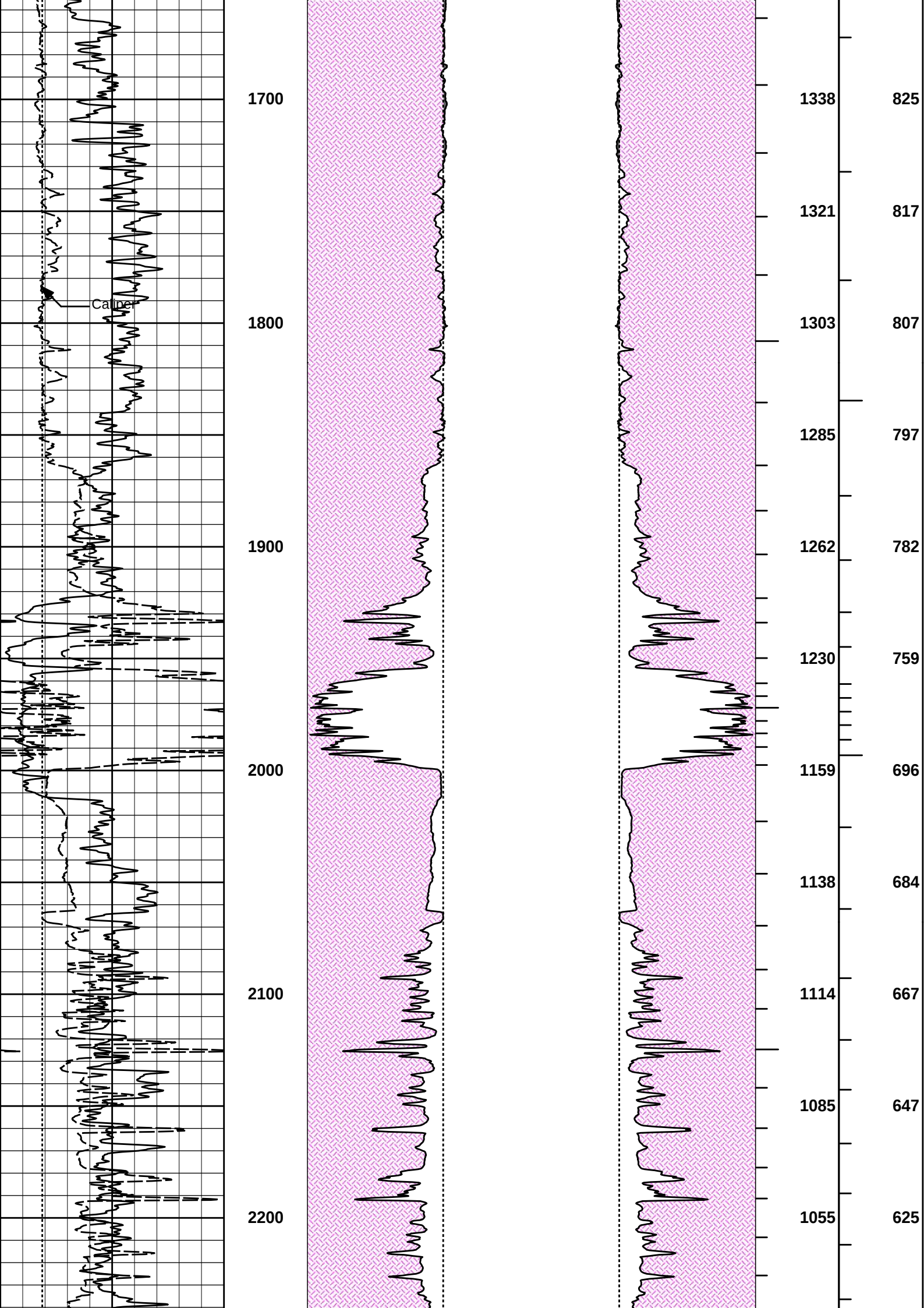
Fold here

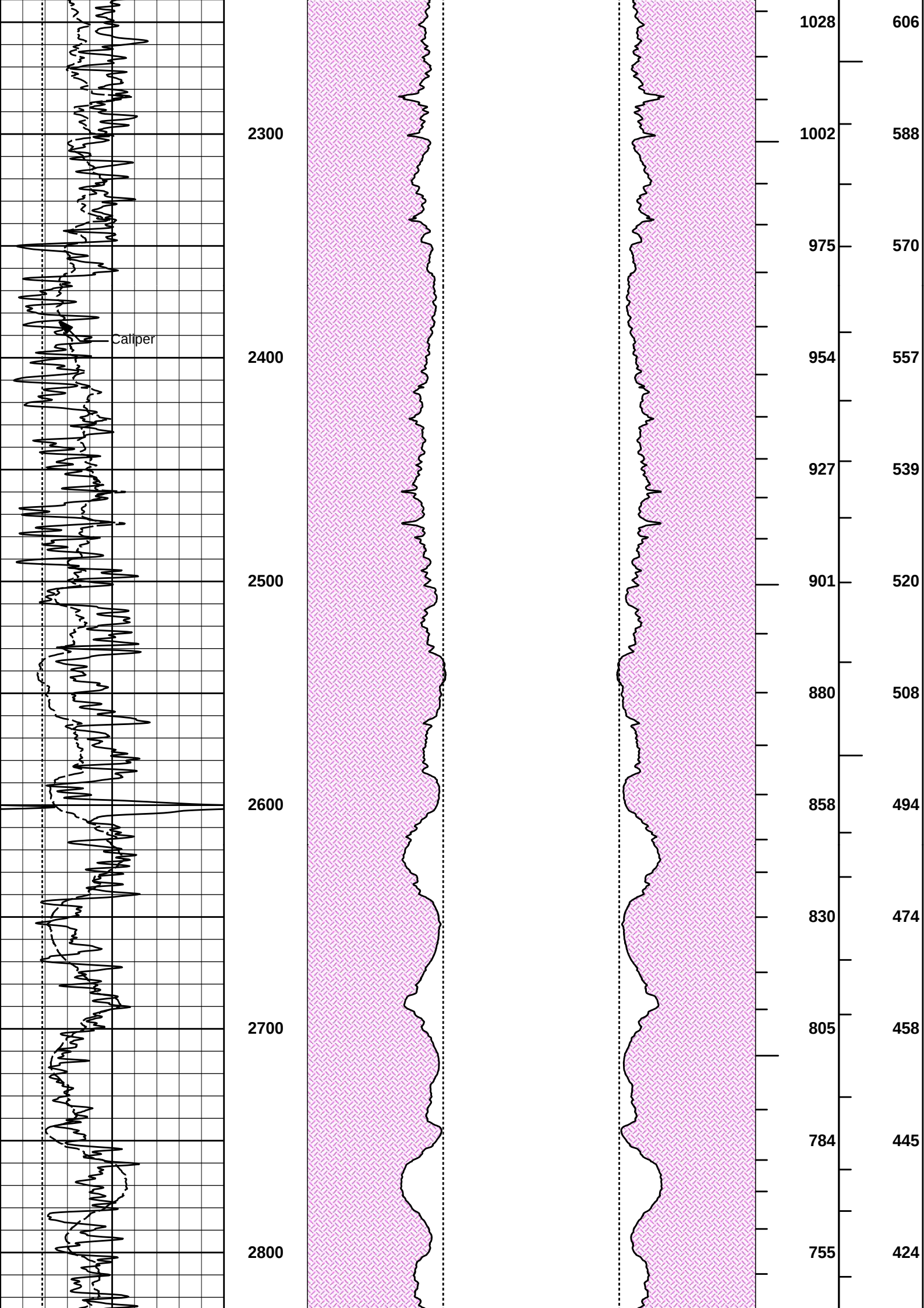
|                                         |            |          |        |              |     |                          |   |             |         |                           |                            |                                         |     |               |  |                 |  |  |  |
|-----------------------------------------|------------|----------|--------|--------------|-----|--------------------------|---|-------------|---------|---------------------------|----------------------------|-----------------------------------------|-----|---------------|--|-----------------|--|--|--|
| Service Ticket No.: 904287619           |            |          |        |              |     | API No.: 15-055-22458-00 |   |             |         |                           |                            | PGM Version: WL INSITE R5.0.5 (Build 8) |     |               |  |                 |  |  |  |
| 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     | ACRT                      |                            | N/A                                     |     | 1.5 S.O.      |  | N/A             |  |  |  |
| Rmc @ Meas. Temp.                       |            |          | @      |              | @   |                          | @ |             |         | I-12109517                |                            |                                         |     |               |  |                 |  |  |  |
| Source Rmf                              | Rmc        |          |        |              |     |                          |   |             |         | S-12109515                |                            |                                         |     |               |  |                 |  |  |  |
| Rm @ BHT                                |            |          | @      |              | @   |                          | @ |             |         |                           |                            |                                         |     |               |  |                 |  |  |  |
| Rmf @ BHT                               |            |          | @      |              | @   |                          | @ |             |         |                           |                            |                                         |     |               |  |                 |  |  |  |
| Rmc @ BHT                               |            |          | @      |              | @   |                          | @ |             |         |                           |                            |                                         |     |               |  |                 |  |  |  |
| EQUIPMENT DATA                          |            |          |        |              |     |                          |   |             |         |                           |                            |                                         |     |               |  |                 |  |  |  |
| GAMMA                                   |            |          |        | ACOUSTIC     |     |                          |   | DENSITY     |         |                           |                            | NEUTRON                                 |     |               |  |                 |  |  |  |
| Run No.                                 |            | ONE      |        | Run No.      |     |                          |   | Run No.     |         | ONE                       |                            | Run No.                                 |     | ONE           |  |                 |  |  |  |
| Serial No.                              |            | 10971172 |        | Serial No.   |     |                          |   | Serial No.  |         | 12153520                  |                            | Serial No.                              |     | 11019643      |  |                 |  |  |  |
| Model No.                               |            | GTET     |        | Model No.    |     |                          |   | Model No.   |         | SDLT                      |                            | Model No.                               |     | DSNT          |  |                 |  |  |  |
| Diameter                                |            | 3.625"   |        | No. of Cent. |     |                          |   | Diameter    |         | 5.5"                      |                            | Diameter                                |     | 3.625"        |  |                 |  |  |  |
| Detector Model No.                      |            | T-102    |        | Spacing      |     |                          |   | Log Type    |         | GAM-GAM                   |                            | Log Type                                |     | NEU-NEU       |  |                 |  |  |  |
| Type                                    |            | SCINT    |        |              |     |                          |   | Source Type |         | CS137                     |                            | Source Type                             |     | AM241BE       |  |                 |  |  |  |
| Length                                  |            | 8"       |        | LSA [Y/N]    |     |                          |   | Serial No.  |         | 20791B                    |                            | Serial No.                              |     | DSN-438       |  |                 |  |  |  |
| Distance to Source                      |            | N/A      |        | FWDA [Y/N ]  |     |                          |   | Strength    |         | 1.5 Ci                    |                            | Strength                                |     | 15.0 Ci       |  |                 |  |  |  |
| 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         | CSG      | REC    | 0            | 150 |                          |   |             | 30      | -10                       | 2.71 gr/cc                 | 30                                      | -10 | LIME          |  |                 |  |  |  |

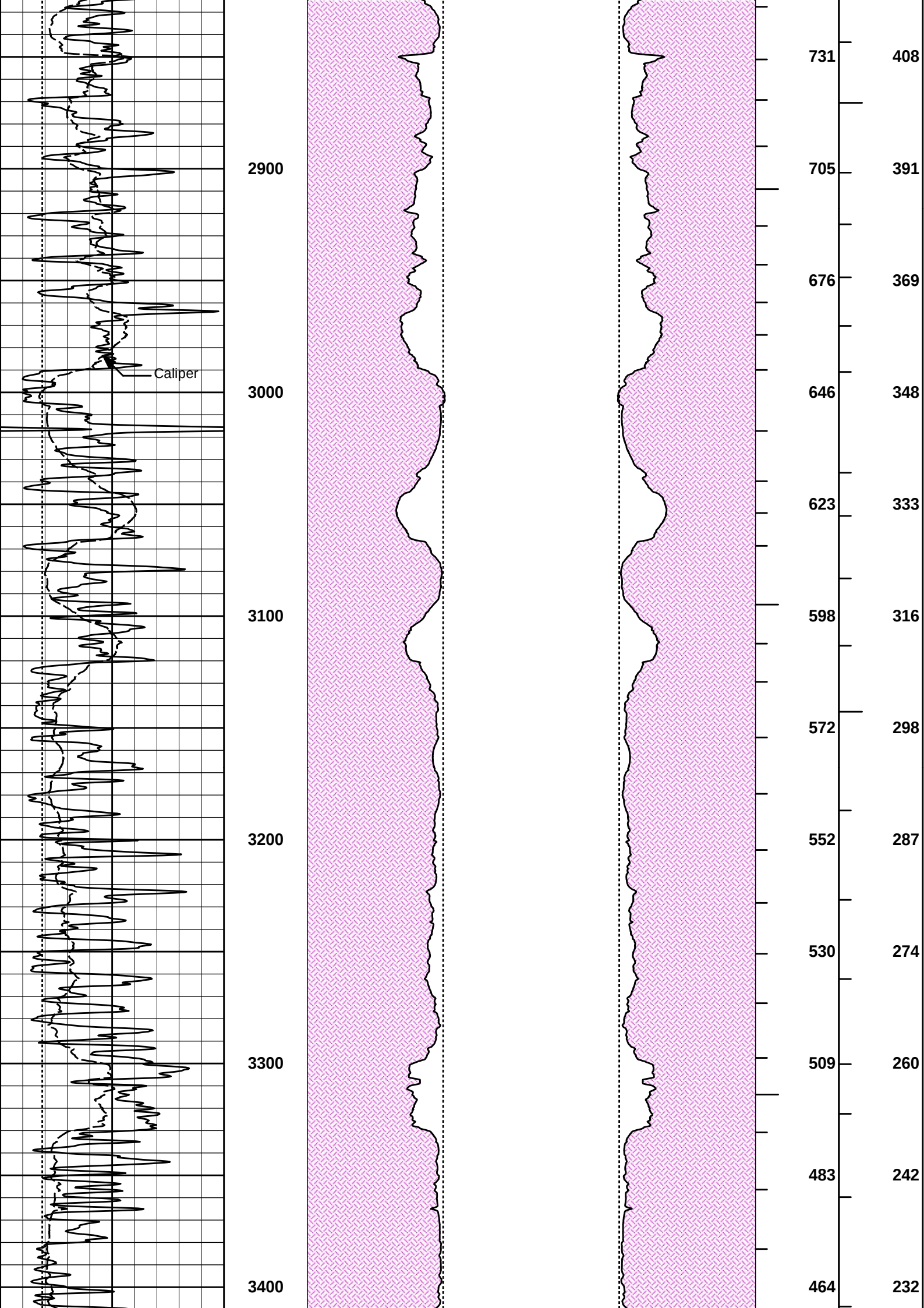
| 0                                                                                  |  |  | MD<br>1 : 600<br>ft | MUDCAKE                                                                             |  | MUDCAKE                                                                               |  |      |      |
|------------------------------------------------------------------------------------|--|--|---------------------|-------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------|--|------|------|
| api                                                                                |  |  |                     |                                                                                     |  |                                                                                       |  |      |      |
| 6                                                                                  |  |  |                     | 20                                                                                  |  | 0                                                                                     |  | 20   |      |
| inches                                                                             |  |  |                     |                                                                                     |  |                                                                                       |  |      |      |
| 6                                                                                  |  |  | 400                 | 20                                                                                  |  | 0                                                                                     |  | 20   |      |
| Caliper<br>inches                                                                  |  |  |                     | inches                                                                              |  | inches                                                                                |  | BHVT | AHVT |
|  |  |  | 400                 |  |  |  |  | 1973 | 1238 |
|                                                                                    |  |  |                     |                                                                                     |  |                                                                                       |  | 1952 | 1225 |
|                                                                                    |  |  |                     |                                                                                     |  |                                                                                       |  | 1934 | 1215 |
|                                                                                    |  |  |                     |                                                                                     |  |                                                                                       |  |      |      |

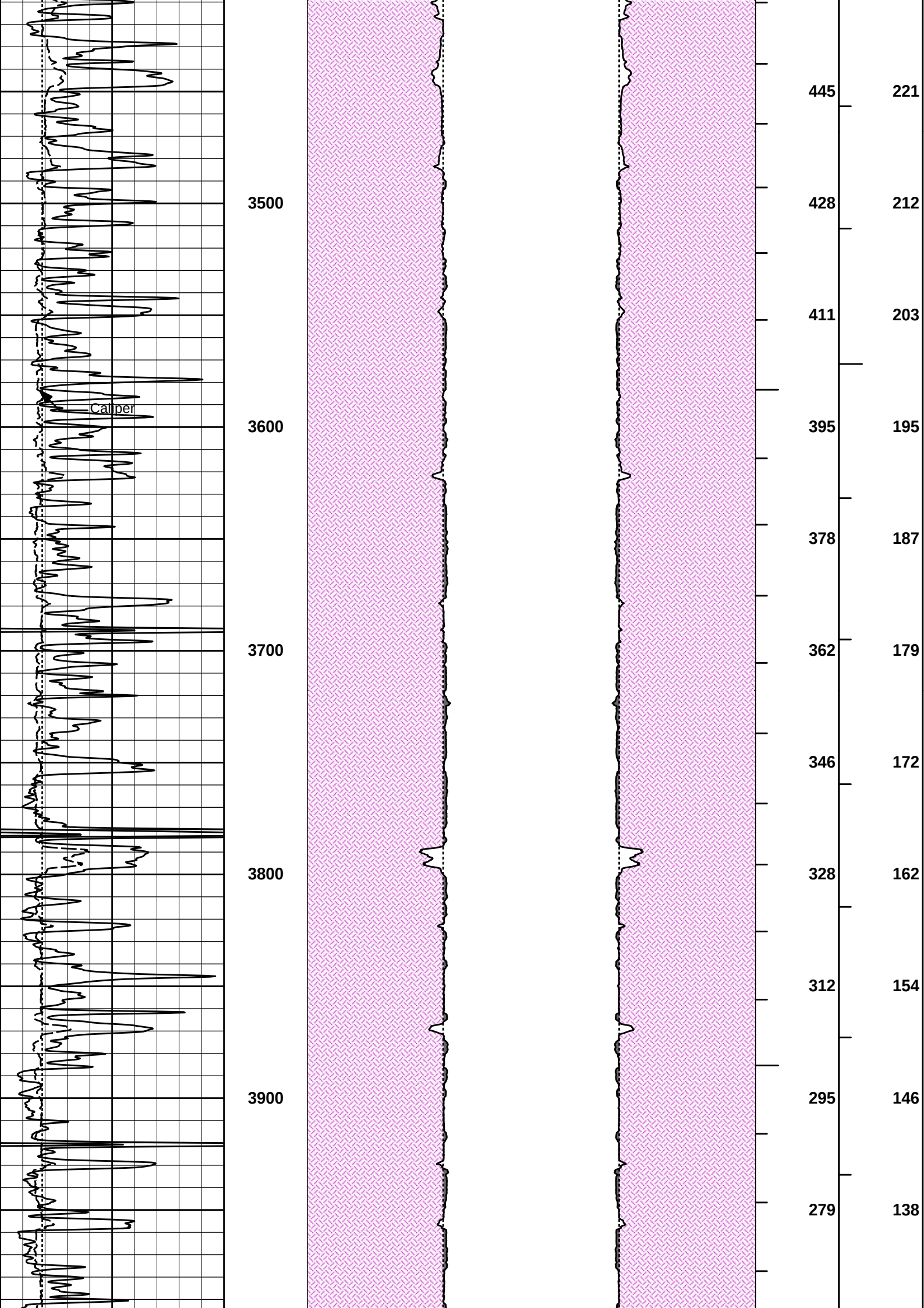


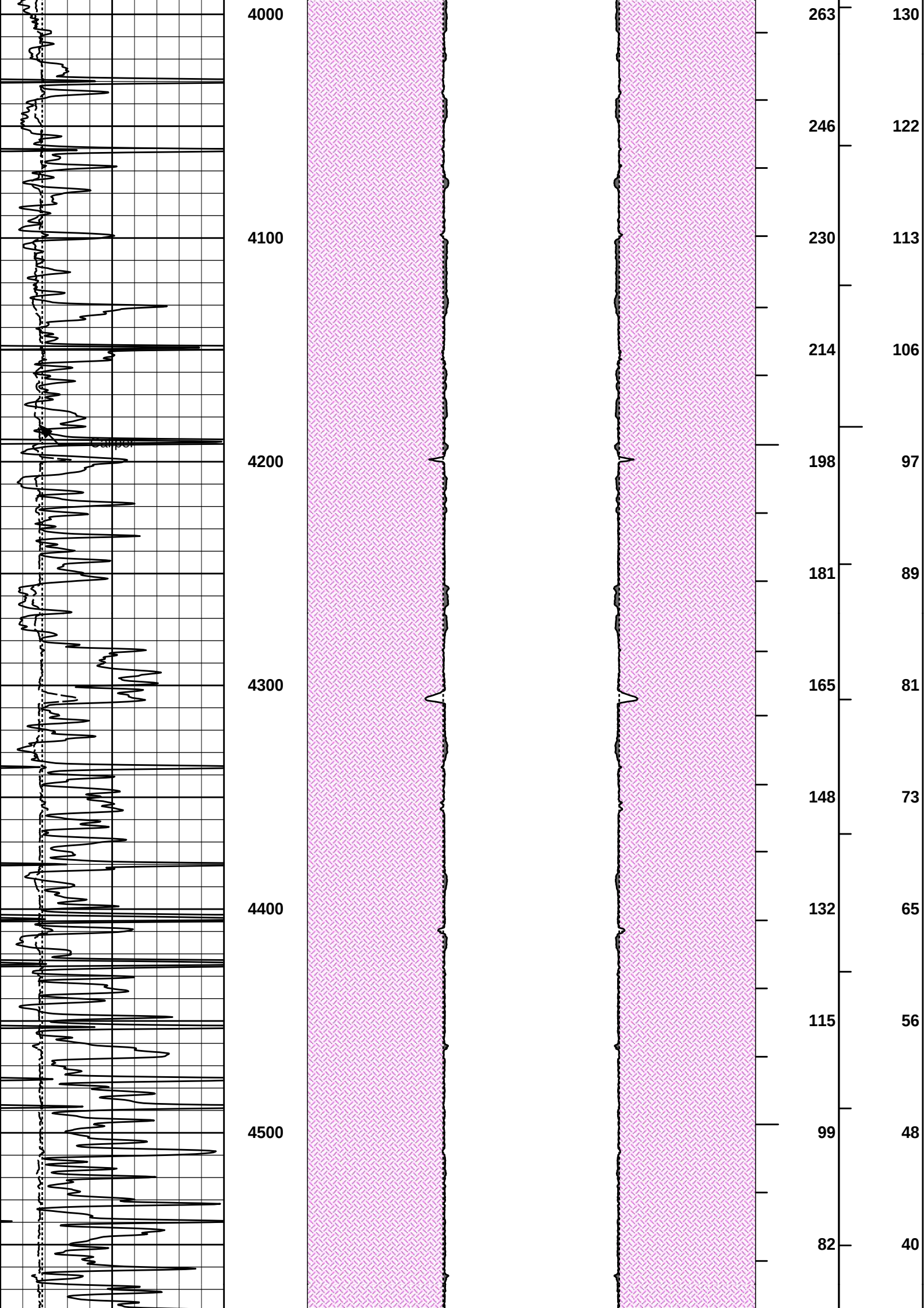


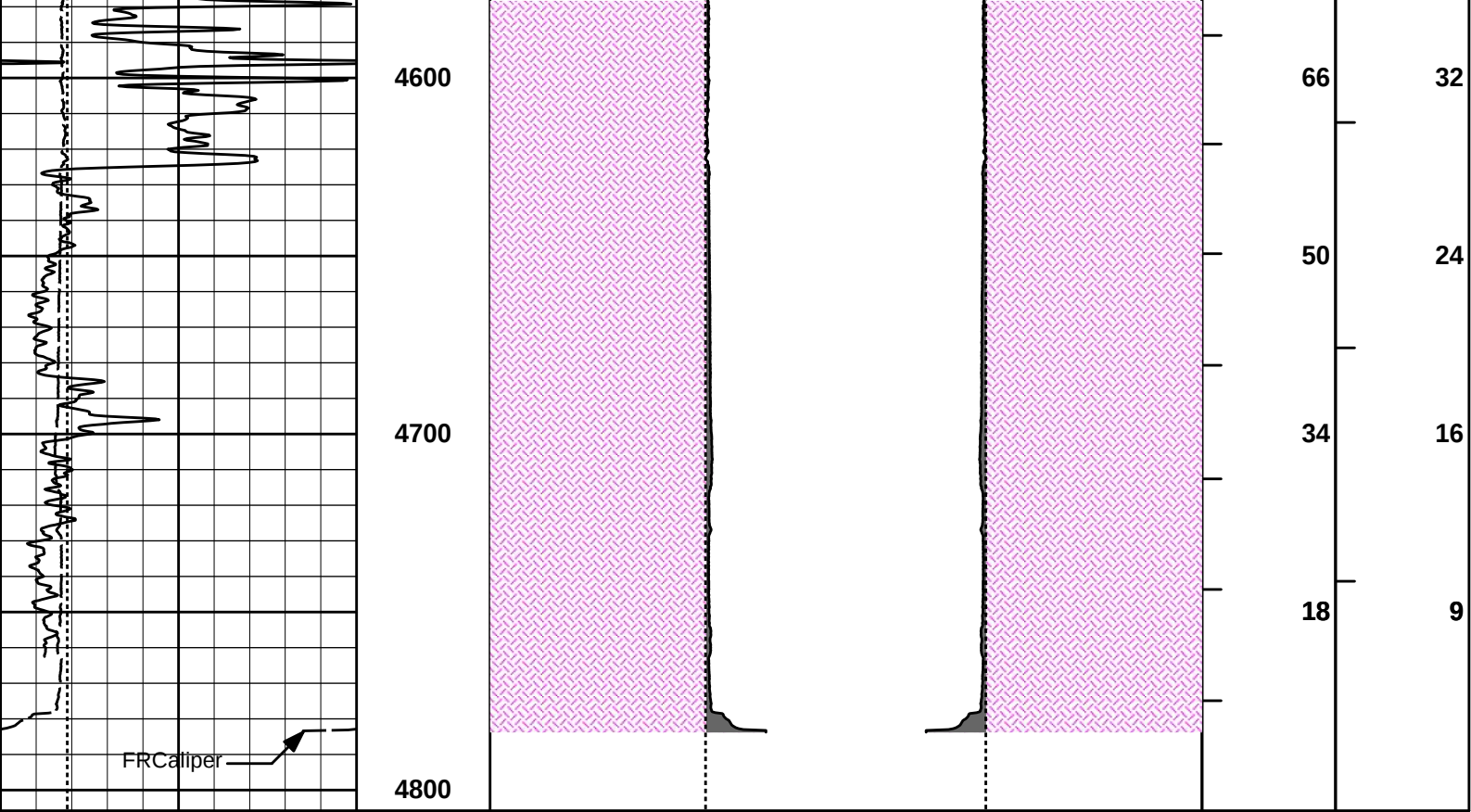












|   |           |     |                     |    |          |     |         |      |      |
|---|-----------|-----|---------------------|----|----------|-----|---------|------|------|
| 6 | Caliper   | 16  | MD<br>1 : 600<br>ft | 20 | Caliper  | 0 0 | 20      | BHVT | AHVT |
|   | inches    |     |                     |    | inches   |     |         |      |      |
| 6 | Bit Size  | 16  |                     | 20 | Bit Size | 0 0 | 20      |      |      |
|   | inches    |     |                     |    |          |     |         |      |      |
| 0 | Gamma API | 150 |                     |    | MUDCAKE  |     | MUDCAKE |      |      |
|   | api       |     |                     |    |          |     |         |      |      |

HALLIBURTON

Plot Time: 10-Sep-17 16:48:49  
Plot Range: 335 ft to 4805.83 ft  
Data: BECKER\_7\Well Based\MAIN\  
Plot File: \\-LOCAL-\\BECKER\_7\Well Based\AHV\AHV\_2\_IQ\_LIB

ANNULAR HOLE VOLUME PLOT

AHV PLOT CALCULATED FOR 5.5" CASING

|             |                           |                     |        |
|-------------|---------------------------|---------------------|--------|
| COMPANY     | HARTMAN OIL COMPANY, INC. |                     |        |
| WELL        | BECKER #7                 |                     |        |
| FIELD       | DAMME                     |                     |        |
| COUNTY      | FINNEY                    | STATE               | KANSAS |
| HALLIBURTON |                           | ANNULAR HOLE VOLUME |        |