



# COMPENSATED DENSITY/NEUTRON LOG

Company JASPAR COMPANY, INC.

Well BJW #5

Field EDGAR SOUTHWEST

County ROOKS State KANSAS

Location: API #: 15-163-24499-0000

Other Services

1097 FNL & 1985 FEL  
SE - SW - NW - NE

SEC 10 TWP 6S RGE 20W

Permanent Datum GROUND LEVEL Elevation 2151  
Log Measured From KELLY BUSHING 7' A.G.L.  
Drilling Measured From KELLY BUSHING

DIL/MEL  
SONIC  
Elevation

K.B. 2158  
D.F. 2156  
G.L. 2151

Date 3/24/24

Run Number ONE

Depth Driller 3629

Depth Logger 3628

Bottom Logged Interval 3604

Top Log Interval 3100

Casing Driller 8.625 @ 218

Casing Logger 218

Bit Size 7.875

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3/54

pH / Fluid Loss 9.5/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 2.10 @ 70F

Rmf @ Meas. Temp 1.58 @ 70F

Rmc @ Meas. Temp 2.52 @ 70F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 1.30 @ 113F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 5.00 P.M.

Maximum Recorded Temperature 113F

Equipment Number 3802

Location HAYS, KANSAS

Recorded By COLE ROBBEN

Witnessed By CAMERON BRIN

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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

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. ( 785 ) 628-6395

## DIRECTIONS:

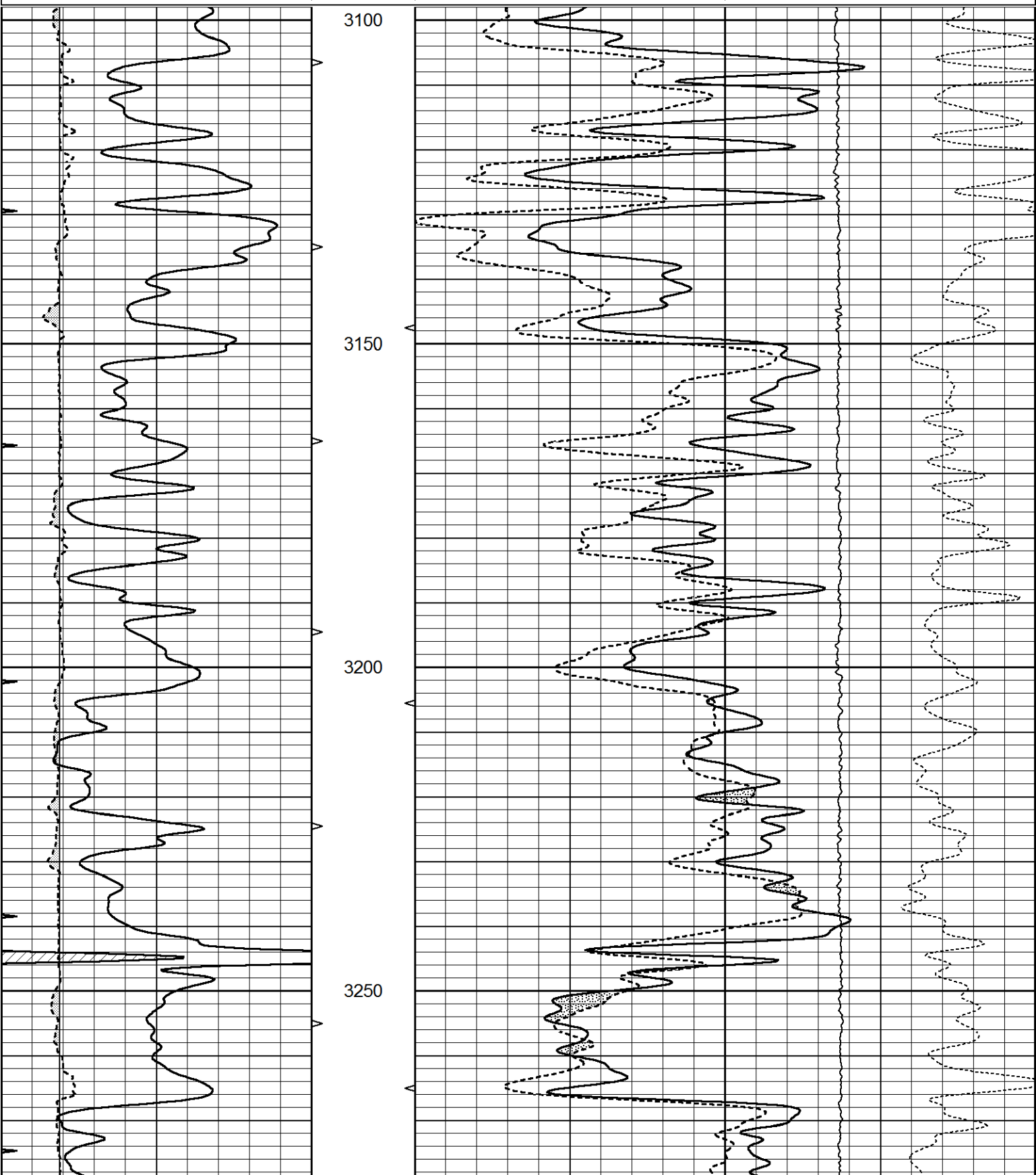
FROM STOCKTON, KANSAS GO NORTH ON HIGHWAY 183 FOR 5 MILES TO 'E' ROAD, WEST TO 5 P  
NORTH 2 3/4 MILES, WEST INTO OVER CATTLE GUARD

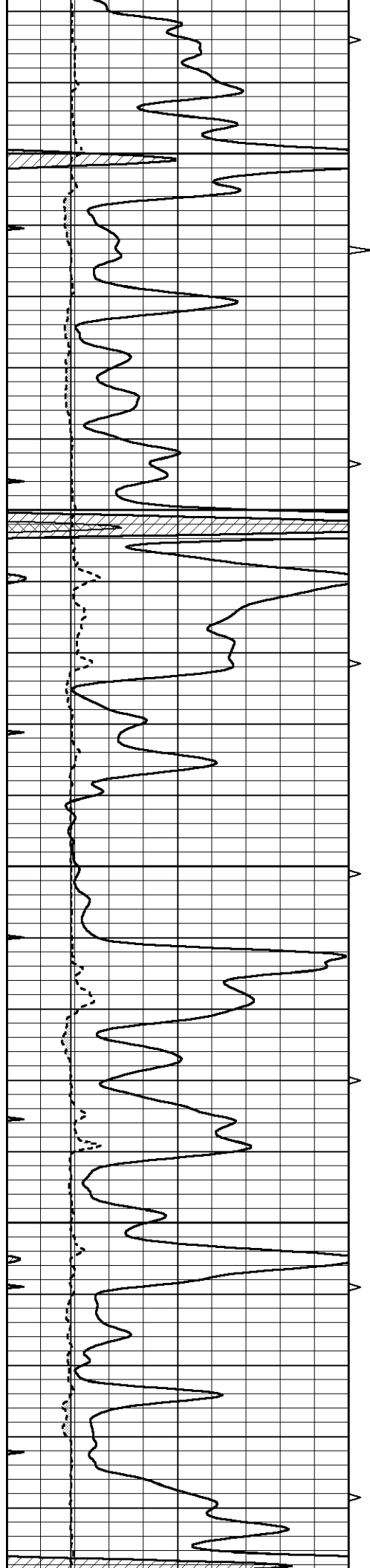


# MAIN SECTION

|                     |                            |
|---------------------|----------------------------|
| Database File       | 8654ddn.db                 |
| Dataset Pathname    | pass3D                     |
| Presentation Format | _den_neu                   |
| Dataset Creation    | Sun Mar 24 17:24:07 2024   |
| Charted by          | Depth in Feet scaled 1:240 |

|   |                  |     |            |    |                          |      |
|---|------------------|-----|------------|----|--------------------------|------|
| 0 | GAMMA RAY (GAPI) | 150 | AVTX       | 30 | COMPENSATED DENSITY (pu) | -10  |
| 0 | MINMK            | 20  | 10 (ft3) 0 | 30 | COMPENSATED NEUTRON (pu) | -10  |
| 6 | CALIPER (in)     | 16  | BVTX       |    | -0.25 CORRECTION (g/cc)  | 0.25 |
|   |                  |     | 0 (ft3) 10 |    | 0 LTEN (lb)              | 5000 |



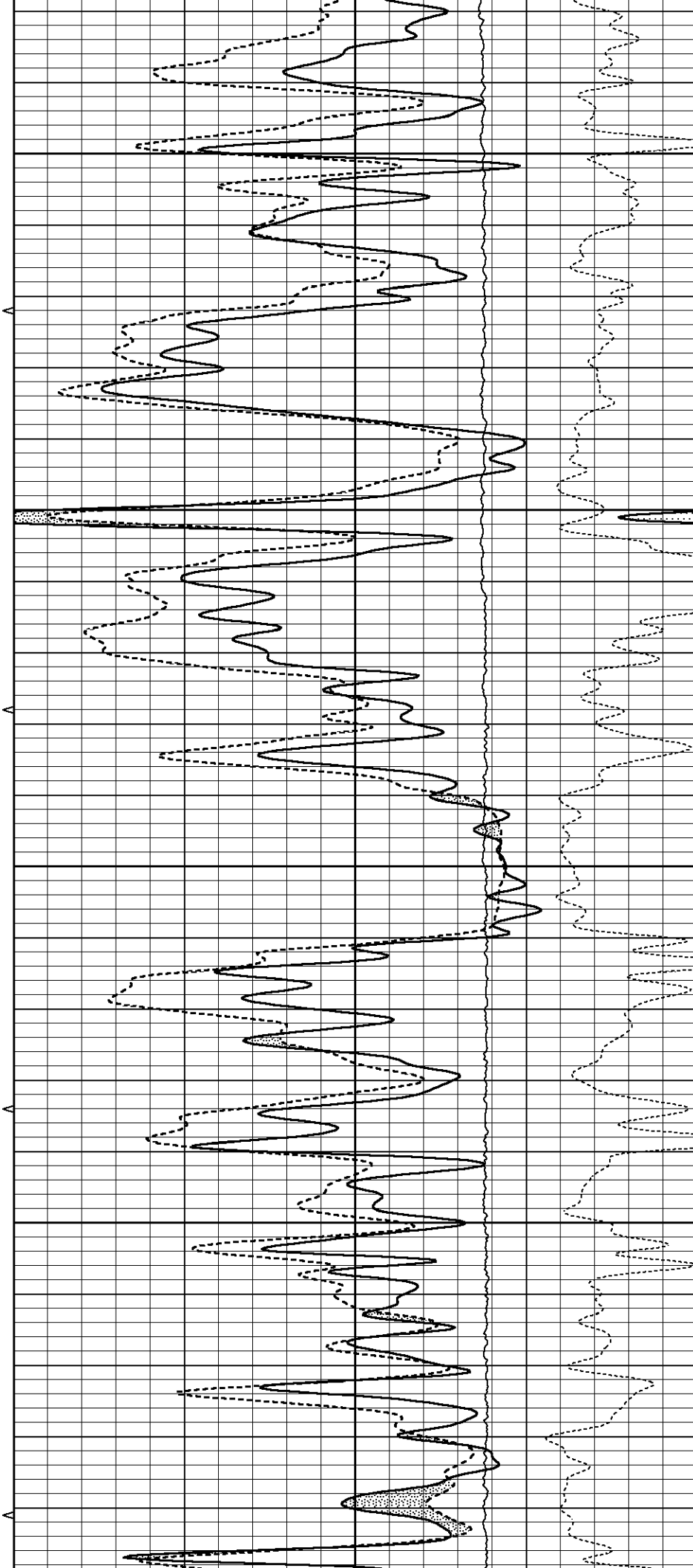


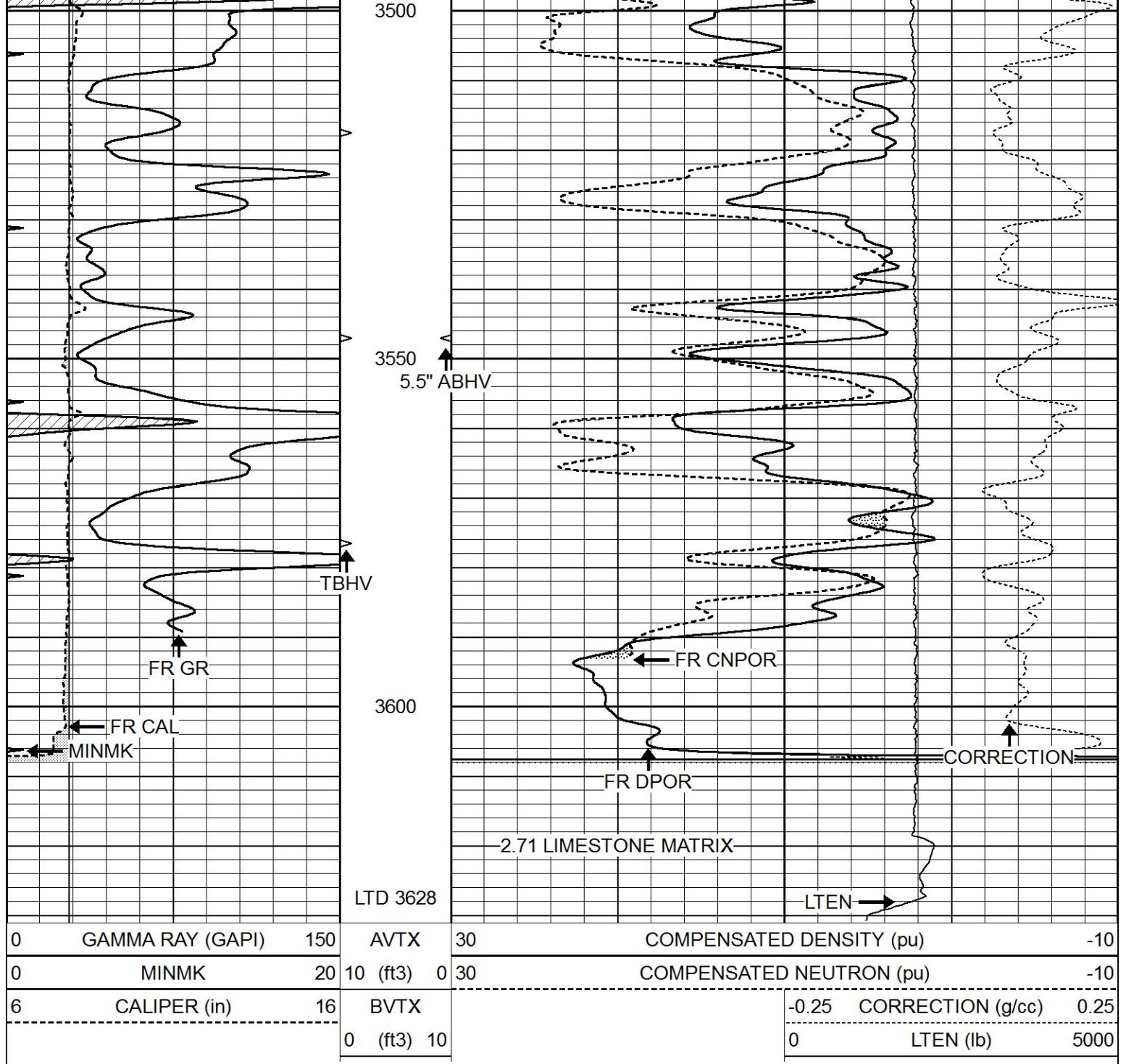
3300

3350

3400

3450



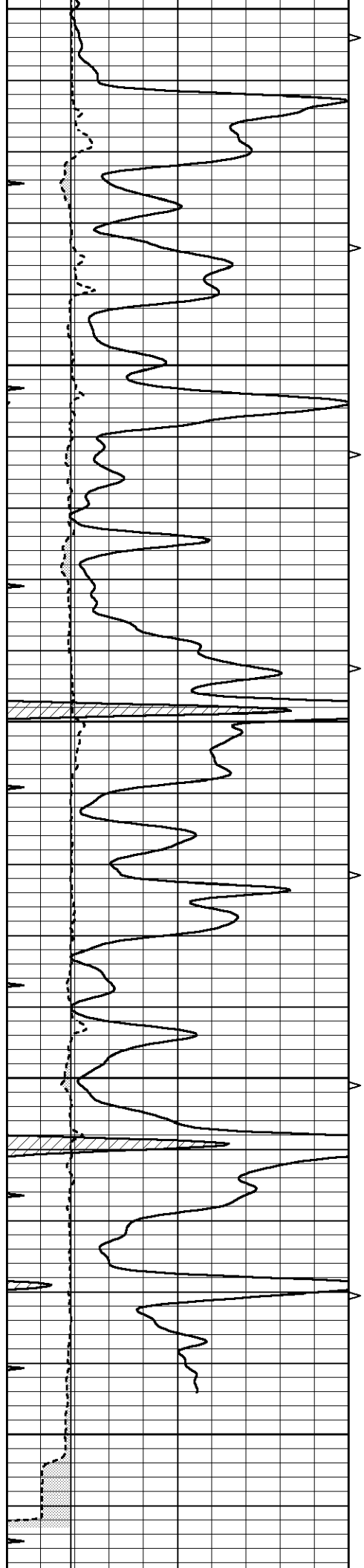


# REPEAT SECTION

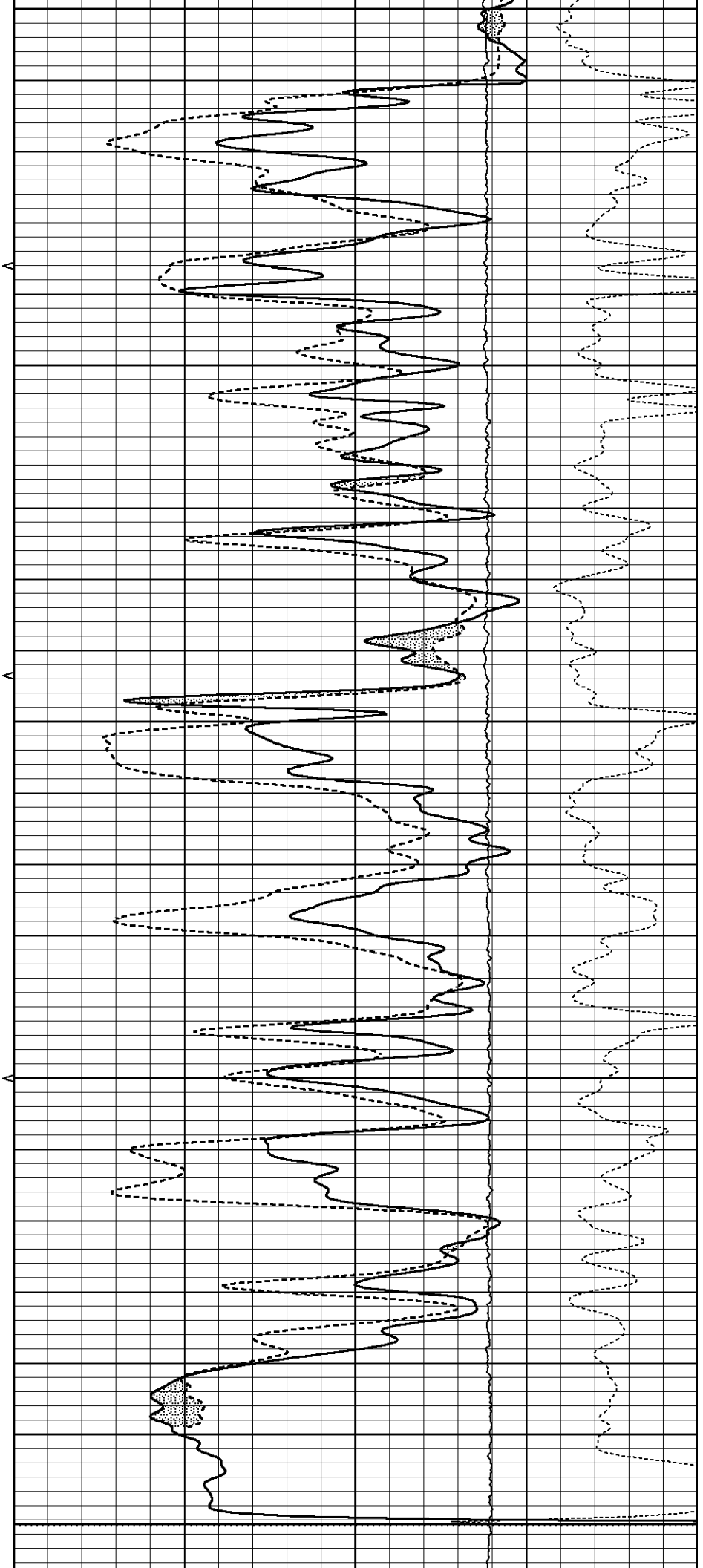
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 Dataset Pathname pass2R  
 Presentation Format \_den\_neu  
 Dataset Creation Sun Mar 24 17:32:15 2024  
 Charted by Depth in Feet scaled 1:240

|   |                  |     |            |    |                          |      |
|---|------------------|-----|------------|----|--------------------------|------|
| 0 | GAMMA RAY (GAPI) | 150 | AVTX       | 30 | COMPENSATED DENSITY (pu) | -10  |
| 0 | MINMK            | 20  | 10 (ft3) 0 | 30 | COMPENSATED NEUTRON (pu) | -10  |
| 6 | CALIPER (in)     | 16  | BVTX       |    | -0.25 CORRECTION (g/cc)  | 0.25 |
|   |                  |     | 0 (ft3) 10 |    | 0 LTEN (lb)              | 5000 |





3400  
3450  
3500  
3550  
3600





|                                        |          |                                    |           |                     |         |
|----------------------------------------|----------|------------------------------------|-----------|---------------------|---------|
| Window 2                               | 662.7    | 5683.9                             | 1787.4    | 1577.3              | cps     |
| Window 3                               | 531.1    | 2851.1                             | 1038.7    | 963.2               | cps     |
| Window 4                               | 159.2    | 158.7                              | 158.9     | 156.4               | cps     |
| Long Space                             | 0.0      | 5021.2                             | 1124.6    | 914.6               | cps     |
| Short Space                            | 1.4      | 1196.9                             | 818.3     | 680.9               | cps     |
| Rho                                    |          | 1.7100                             | 2.5900    | 0.0000              | g/cc    |
| Pe                                     |          | 2.0000                             | 2.7500    | 5.7900              |         |
|                                        |          |                                    |           |                     |         |
| Rib Angle                              | : 45.7   | Rib Slope                          | : 1.026   | Density/Spine Ratio | : 0.570 |
| Spine Angle                            | : 75.7   | Spine Slope                        | : 3.935   | Spine Intercept     | : -19.4 |
|                                        |          |                                    |           |                     |         |
| Before Survey Verification             |          | Performed Wed Dec 31 18:00:00 1969 |           |                     |         |
|                                        |          |                                    |           |                     |         |
| Window 1                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 2                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 3                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 4                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Long Space                             | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Short Space                            | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Measured Rho                           |          | 0.0000                             | 0.0000    | 0.0000              | g/cc    |
| Measured Correction                    |          | 0.0000                             | 0.0000    | 0.0000              | g/cc    |
| Measured Pe                            |          |                                    | 0.0000    | 0.0000              |         |
|                                        |          |                                    |           |                     |         |
| After Survey Verification              |          | Performed Wed Dec 31 18:00:00 1969 |           |                     |         |
|                                        |          |                                    |           |                     |         |
| Window 1                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 2                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 3                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Window 4                               | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Long Space                             | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Short Space                            | 0.0      | 0.0                                | 0.0       | 0.0                 | cps     |
| Measured Rho                           |          | 0.0000                             | 0.0000    | 0.0000              | g/cc    |
| Measured Correction                    |          | 0.0000                             | 0.0000    | 0.0000              | g/cc    |
| Measured Pe                            |          |                                    | 0.0000    | 0.0000              |         |
|                                        |          |                                    |           |                     |         |
| Compensated Neutron Calibration Report |          |                                    |           |                     |         |
|                                        |          | Serial Number:                     | 080621PMC |                     |         |
|                                        |          | Tool Model:                        | NABORS    |                     |         |
| PRE-SURVEY VERIFICATION                |          |                                    |           |                     |         |
| Detector                               | Readings | Measured                           | Target    |                     |         |
| Short Space                            | cps      |                                    |           |                     |         |
| Long Space                             | cps      | pu                                 | pu        |                     |         |
| POST-SURVEY VERIFICATION               |          |                                    |           |                     |         |
| Detector                               | Readings | Measured                           | Target    |                     |         |
| Short Space                            | cps      |                                    |           |                     |         |
| Long Space                             | cps      | pu                                 | pu        |                     |         |
| Gamma Ray Calibration Report           |          |                                    |           |                     |         |
| Serial Number:                         |          | 46001                              |           |                     |         |
| Tool Model:                            |          | Probe1                             |           |                     |         |
| Performed:                             |          | Thu Apr 20 09:55:57 2023           |           |                     |         |
| Calibration Values:                    |          | 1.0                                |           |                     |         |
| Gamma Ray Calibration:                 |          | GADR                               |           |                     |         |

|                     |        |          |
|---------------------|--------|----------|
| Calibrator Value:   | 1.0    | GAPI     |
| Background Reading: | 0.0    | cps      |
| Calibrator Reading: | 1.0    | cps      |
| Sensitivity:        | 0.4300 | GAPI/cps |