



**SUPERIOR  
Hays,  
Kansas**

# COMPENSATED DENSITY/NEUTRON LOG

Company TETON ENERGY CORPORATION  
Well SPRINGER #42-14  
Field BOYD CROSSING  
County BARTON  
State KANSAS

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Location: API # : 15-009-25291-0000  
1785'FNL & 630'FEL  
NE SE NE  
SEC 14 TWP 18S RGE 14W  
Permanent Datum GROUND LEVEL Elevation 1872  
Log Measured From KELLY BUSHING 10' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
DIL  
MEL/SONIC  
Elevation  
K.B. 1882  
D.F. 1880  
G.L. 1872

|                              |               |                |  |
|------------------------------|---------------|----------------|--|
| Date                         | 14 DEC 08     |                |  |
| Run Number                   | CNE           |                |  |
| Depth Driller                | 3480          |                |  |
| Depth Logger                 | 3480          |                |  |
| Bottom Logged Interval       | 3456          |                |  |
| Top Log Interval             | 2700          |                |  |
| Casing Driller               | 8 5/8 @ 823'  |                |  |
| Casing Logger                |               |                |  |
| Bit Size                     | 7 7/8         |                |  |
| Type Fluid in Hole           | CHEMICAL MUD  |                |  |
| Density / Viscosity          | 9.3/48        | CHLORIDES 7000 |  |
| pH / Fluid Loss              | 9.5/10.4      |                |  |
| Source of Sample             | FLOWLINE      |                |  |
| Rm @ Meas. Temp              | 0.70 @ 57     |                |  |
| Rmf @ Meas. Temp             | 0.52 @ 57     |                |  |
| Rmc @ Meas. Temp             | 0.84 @ 57     |                |  |
| Source of Rmf / Rmc          | CAL/CAL       |                |  |
| Rm @ BHT                     | 0.35 @ 111F   |                |  |
| Time Circulation Stopped     | 2 HOURS       |                |  |
| Time Logger on Bottom        | 3:30 PM       |                |  |
| Maximum Recorded Temperature | 111F          |                |  |
| Equipment Number             | 680           |                |  |
| Location                     | HAYS, KS      |                |  |
| Recorded By                  | JOE CRATHORNE |                |  |
| Witnessed By                 | TED PFAU      |                |  |

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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.

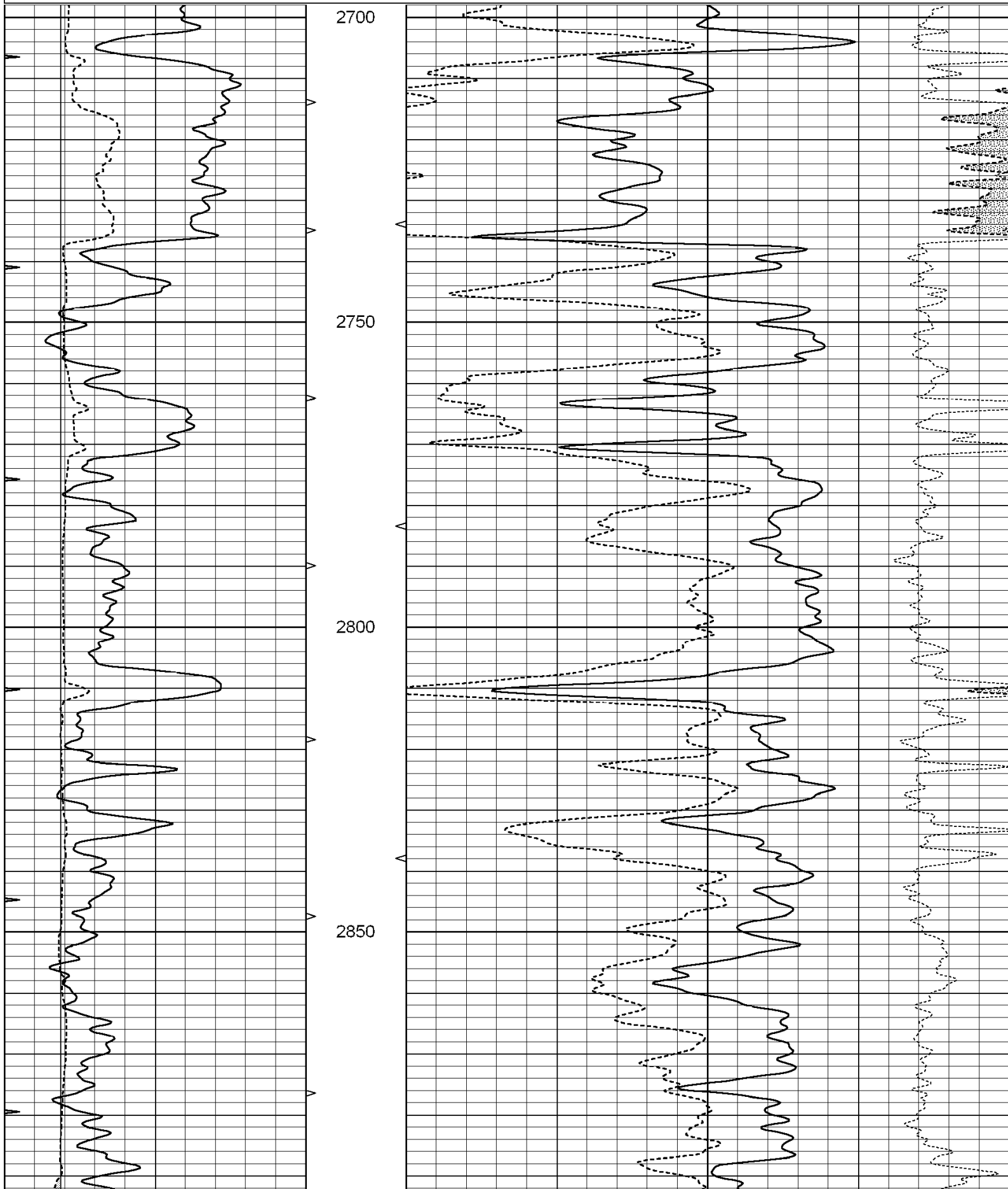
## Comments

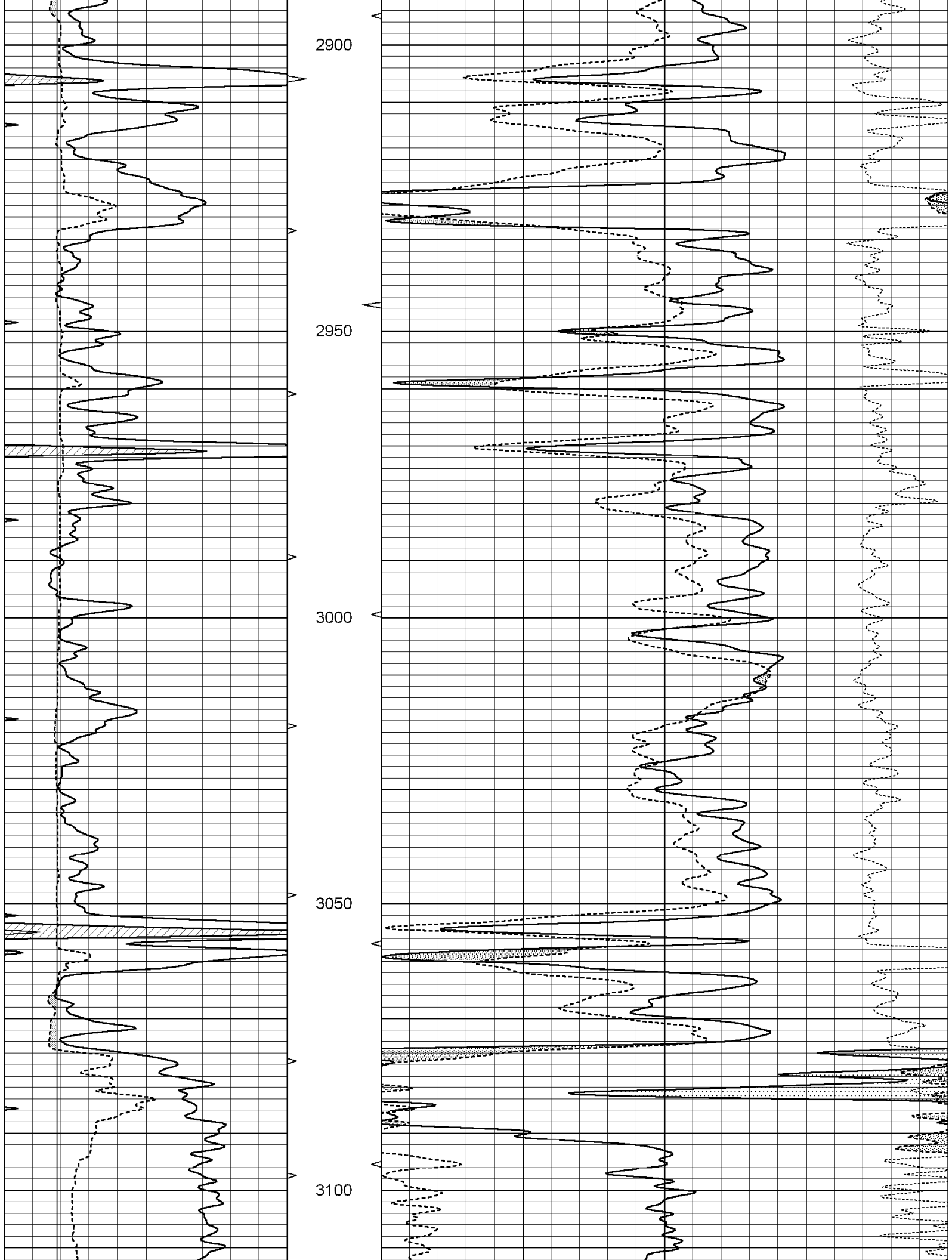
THANK YOU FOR USING SUPERIOR WELL SERVICES  
HAYS, KS. 785-628-6395

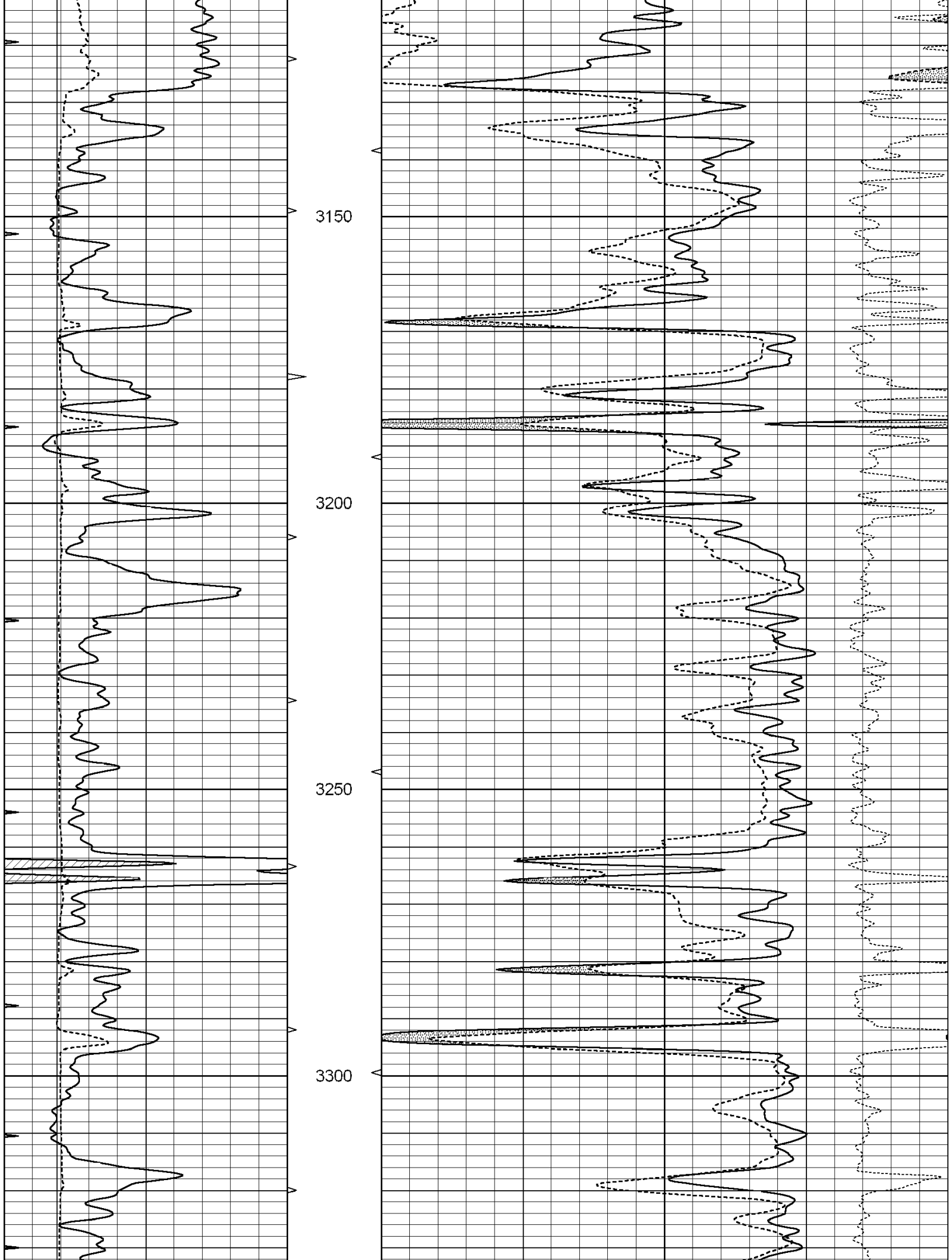
DIRECTIONS: HIGHWAY 4 AND 281; SOUTH ON BOYD ROAD TO KEYSTONE BLACKTOP (APP. 1 MILE SOUTH OF RAIL ROAD TRACKS), EAST 1 MILE, 1 1/2 MILES SOUTH, WEST INTO

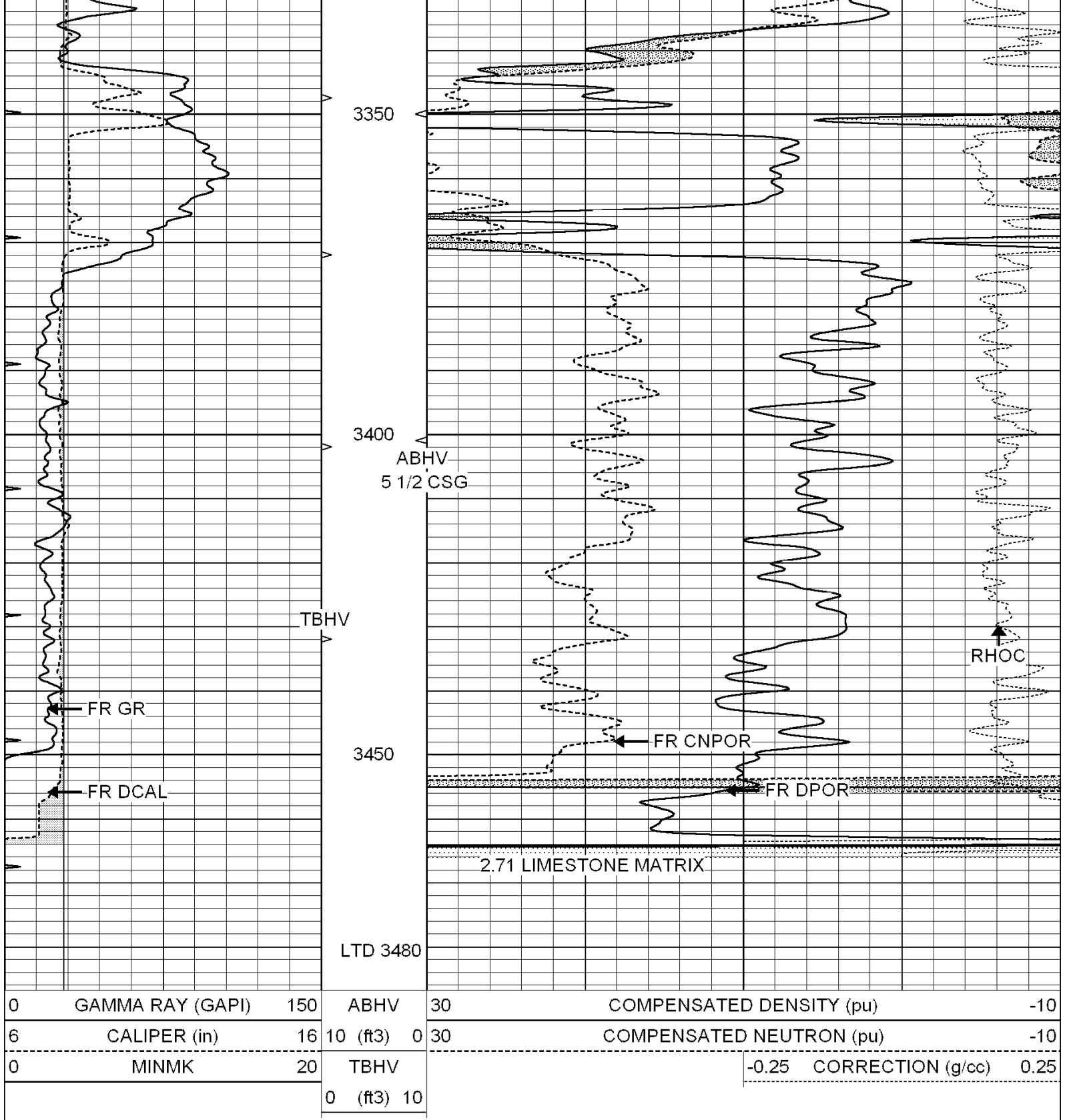
Database File: 3070teton.db  
Dataset Pathname: pass3.2  
Presentation Format: \_den\_neu  
Dataset Creation: Sun Dec 14 16:21:52 2008 by Calc Open-Cased 070814

|   |                  |     |            |    |                          |      |
|---|------------------|-----|------------|----|--------------------------|------|
| 0 | GAMMA RAY (GAPI) | 150 | ABHV       | 30 | COMPENSATED DENSITY (pu) | -10  |
| 6 | CALIPER (in)     | 16  | 10 (ft3) 0 | 30 | COMPENSATED NEUTRON (pu) | -10  |
| 0 | MINMK            | 20  | TBHV       |    | -0.25 CORRECTION (g/cc)  | 0.25 |
|   |                  |     | 0 (ft3) 10 |    |                          |      |









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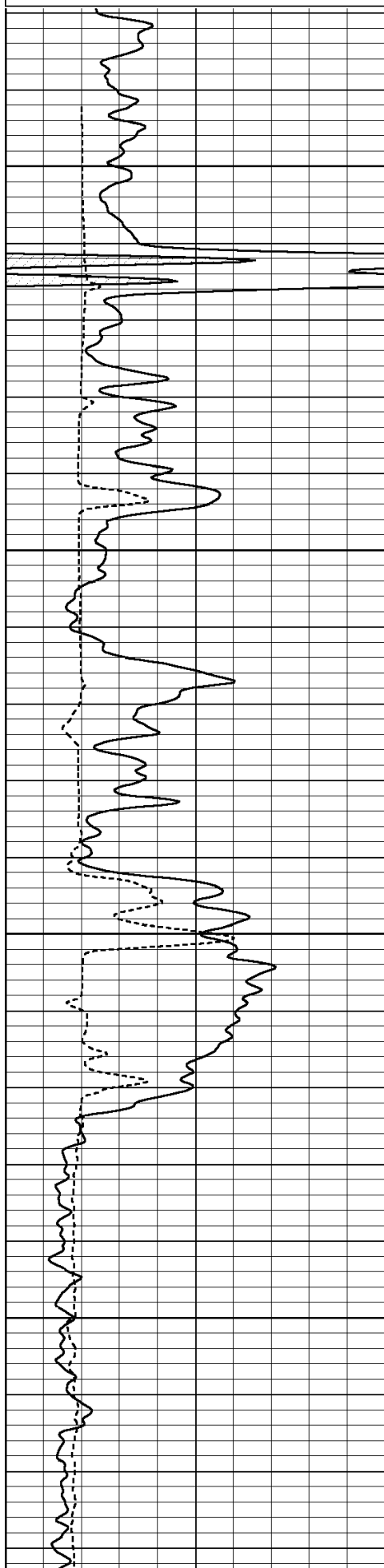
# DOLOMITE MATRIX 2.81

Database File: 3070teton.db  
 Dataset Pathname: passMRP  
 Presentation Format: \_den\_neu  
 Dataset Creation: Sun Dec 14 15:54:32 2008  
 Charted by: Depth in Feet scaled 1:240

|   |                  |     |
|---|------------------|-----|
| 0 | GAMMA RAY (GAPI) | 150 |
| 6 | CALIPER (in)     | 16  |

|    |                          |     |
|----|--------------------------|-----|
| 30 | COMPENSATED DENSITY (pu) | -10 |
| 30 | COMPENSATED NEUTRON (pu) | -10 |

|       |                   |      |
|-------|-------------------|------|
| -0.25 | CORRECTION (g/cc) | 0.25 |
|-------|-------------------|------|

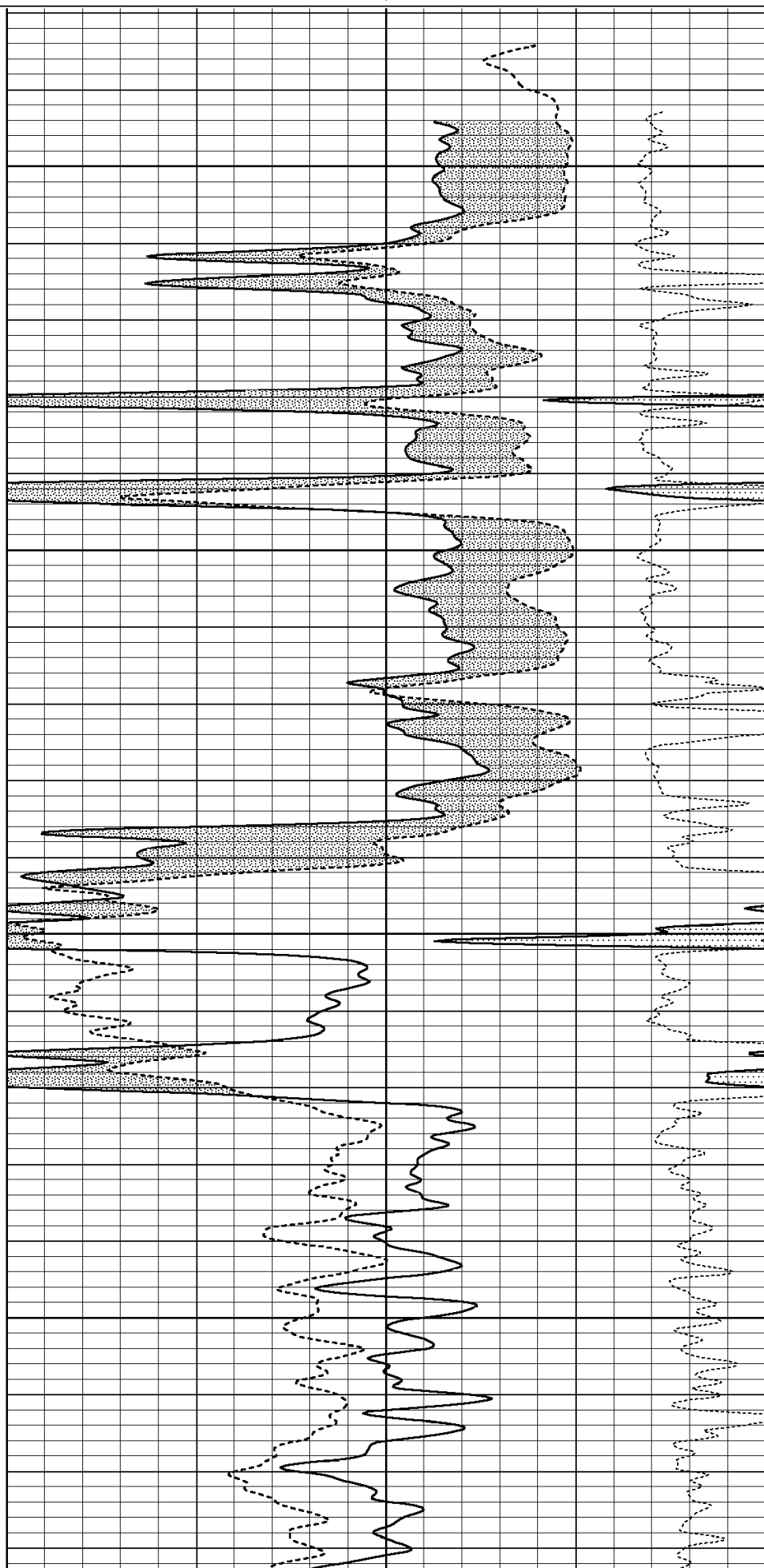


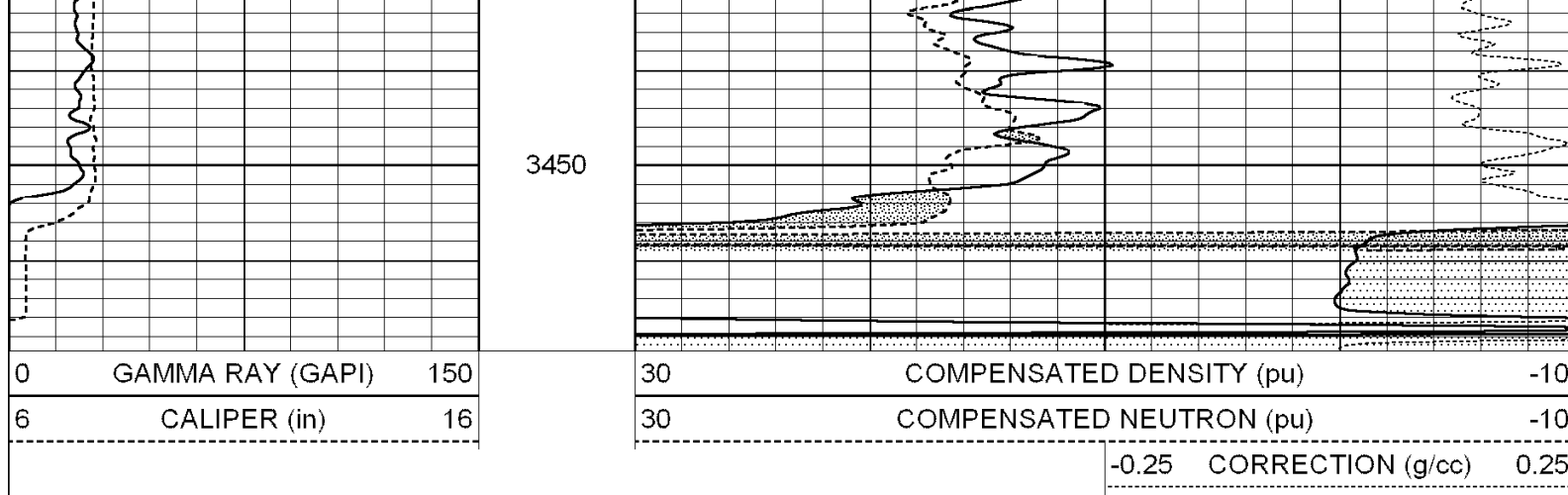
3250

3300

3350

3400





### Calibration Report

Database File: 3070teton.db  
Dataset Pathname: pass2.6  
Dataset Creation: Sun Dec 14 15:52:16 2008 by Calc Open-Cased 070814

### Dual Induction Calibration Report

Serial-Model: PROBE8-DILG  
Surface Cal Performed: Fri Aug 01 06:33:19 2008  
Downhole Cal Performed: Mon Jul 28 11:08:27 2008  
After Survey Verification Performed: Mon Jul 28 11:08:27 2008

#### Surface Calibration

| Readings  |       |       |   | References |         |        | Results |         |
|-----------|-------|-------|---|------------|---------|--------|---------|---------|
| Loop:     | Air   | Loop  |   | Air        | Loop    |        | m       | b       |
| Deep      | 0.015 | 0.648 | V | 0.000      | 400.000 | mmho-m | 632.616 | -9.730  |
| Medium    | 0.029 | 0.796 | V | 0.000      | 464.000 | mmho-m | 605.128 | -17.682 |
| Internal: | Zero  | Cal   |   | Zero       | Cal     |        | m       | b       |
| Deep      | 0.017 | 0.657 | V | 0.000      | 400.000 | mmho-m | 625.153 | -10.619 |
| Medium    | 0.016 | 0.757 | V | 0.000      | 464.000 | mmho-m | 625.992 | -9.739  |

#### Downhole Calibration

| Readings |       |        |        | References |          |        | Results |       |
|----------|-------|--------|--------|------------|----------|--------|---------|-------|
|          | Zero  | Cal    |        | Zero       | Cal      |        | m'      | b'    |
| Deep     | 0.000 | 0.000  | mmho-m | 2.011      | 405.777  | mmho-m | 1.000   | 0.000 |
| Medium   | 0.000 | 0.000  | mmho-m | 7.590      | 503.393  | mmho-m | 1.000   | 0.000 |
| LL3      |       | 7.500  | V      |            | 1500.000 | Ohm-m  |         |       |
|          |       | 0.000  | V      |            | 20.000   | Ohm-m  |         |       |
|          |       | -6.500 | V      |            | 3800.000 | mmho-m |         |       |

#### After Survey Verification

| Readings |       |       |        | Targets |       |        | Results |       |
|----------|-------|-------|--------|---------|-------|--------|---------|-------|
|          | Zero  | Cal   |        | Zero    | Cal   |        | m'      | b'    |
| Deep     | 0.000 | 0.000 | mmho-m | 0.000   | 0.000 | mmho-m | 0.000   | 0.000 |
| Medium   | 0.000 | 0.000 | mmho-m | 0.000   | 0.000 | mmho-m | 0.000   | 0.000 |
| LL3      |       | 1.000 | Ohm-m  |         | 1.000 | Ohm-m  |         |       |
|          |       | 0.000 | Ohm-m  |         | 0.000 | Ohm-m  |         |       |
|          |       | 1.000 | mmho-m |         | 1.000 | mmho-m |         |       |

### Compensated Density Calibration Report

Serial-Model: GEAR4-GEARHART

Master Calibration

|                     | Density |      |  | Far Detector                |  | Near Detector |     |
|---------------------|---------|------|--|-----------------------------|--|---------------|-----|
| Magnesium           | 1.710   | g/cc |  | 1358.55                     |  | 649.93        | cps |
| Aluminum            | 2.580   | g/cc |  | 302.11                      |  | 449.52        | cps |
| Spine Angle = 76.22 |         |      |  | Density/Spine Ratio = 0.562 |  |               |     |
|                     | Size    |      |  | Reading                     |  |               |     |
| Small Ring          | 8.00    | in   |  | 3.56                        |  | V             |     |
| Large Ring          | 14.00   | in   |  | 6.65                        |  | V             |     |

Compensated Neutron Calibration Report

Serial Number: 6I  
Tool Model: G

CALIBRATION

| Detector    | Readings |     | Target |     | Normalization |
|-------------|----------|-----|--------|-----|---------------|
| Short Space | 1.00     | cps | 1.00   | cps | 1.0000        |
| Long Space  | 1.00     | cps | 1.00   | cps | 1.0000        |

Gamma Ray Calibration Report

Serial Number: GR6  
Tool Model: OPEN  
Performed: Thu Jan 24 17:24:37 2008

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 350.0 cps

Sensitivity: 0.5586 GAPI/cps