



Pioneer Energy Services

## Dual Compensated Porosity Log

15-097-21,784-00-00

API No.

Company **Toto Energy, LLC**

Well **Parkin Lot #1**

Field **Nichols**

County **Kiowa**

State **Kansas**

Location

**2,310' FSL & 2,310' FWL**

Sec: 5

Twp: 30S

Rge: 18W

Other Services  
DIL  
MEL

Permanent Datum Ground Level Elevation 2219  
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Date 3/3/2014

Run Number One

Type Log CNL / CDL

Depth Driller 5350

Depth Logger 5355

Bottom Logged Interval 5334

Top Logged Interval 3900

Type Fluid In Hole Chemical

Salinity, PPM CL 8500

Density 9.6

Level Full

Max. Rec. Temp. F 130

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Sean Deenihan

Run No. Bit From To Size Wgt. From To

1 12.25 00 262 8.625 24# 00 262

2 7.875 262 5350

### Comments

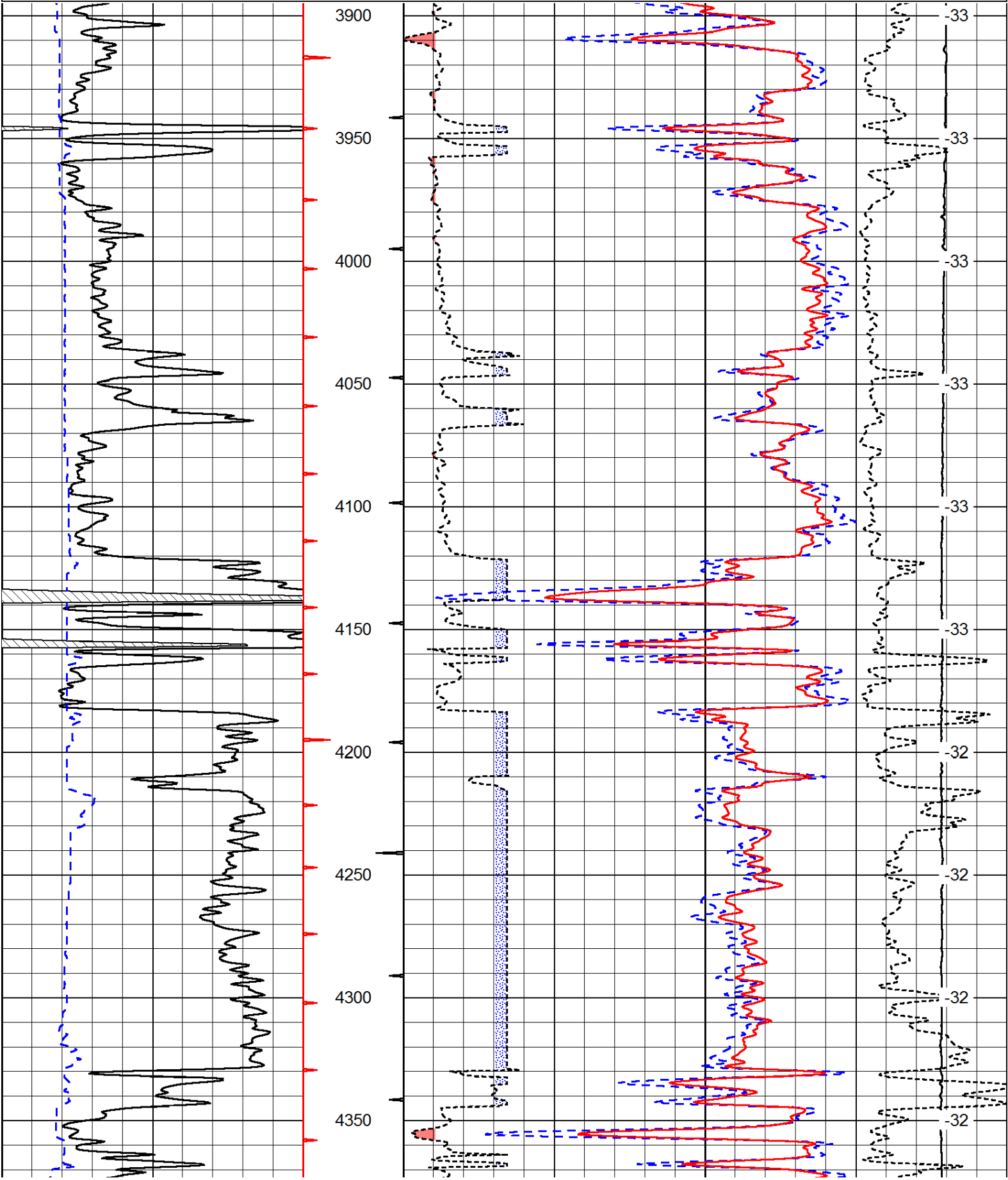
Thank you for using Pioneer Energy Services  
www.pioneerenergy.com  
785 625 3858

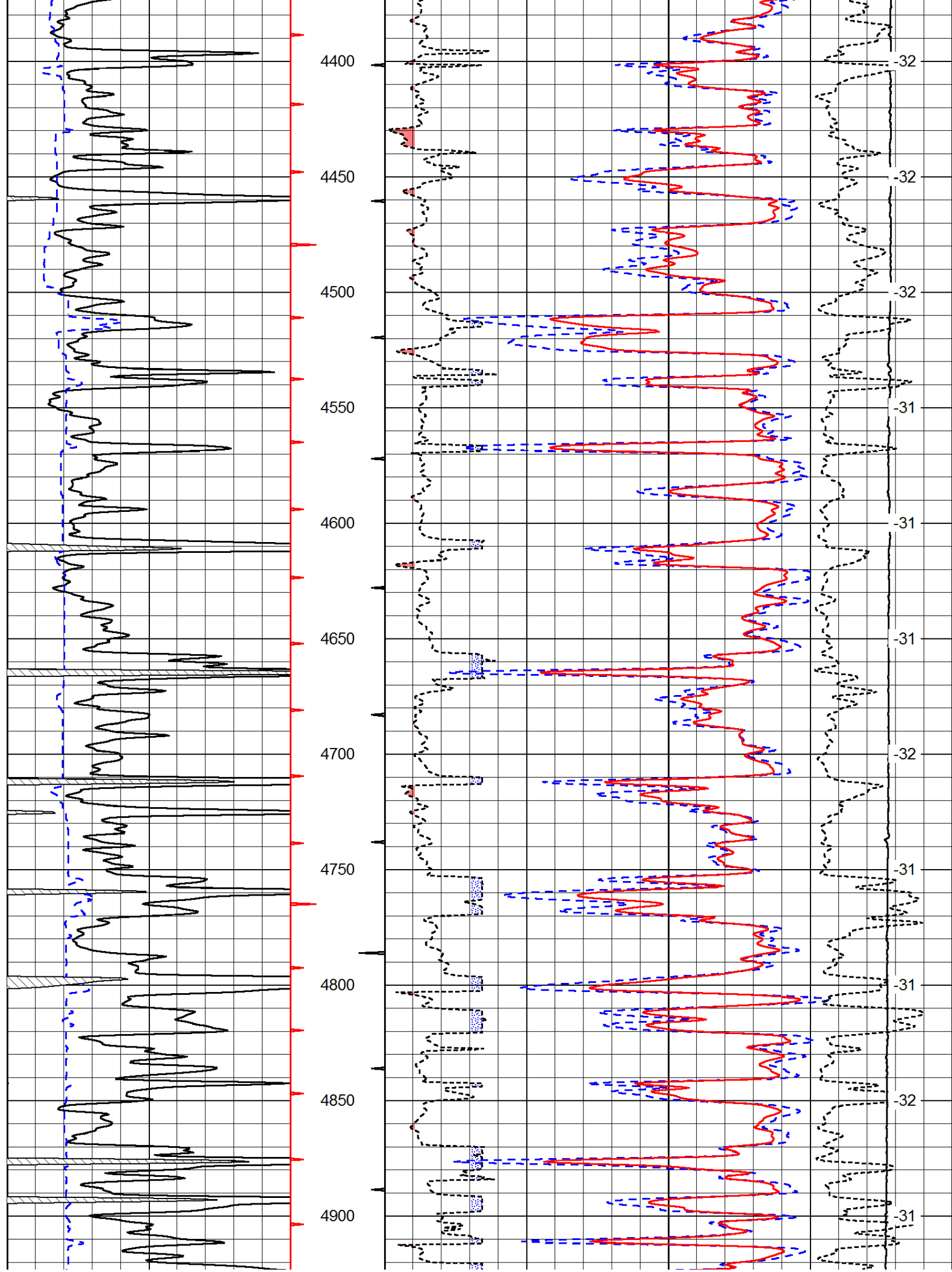
Greensburg (Intersection of Highway 54 and Highway 183), 10 South, 1/2 East at Tank Batteries,  
South Into

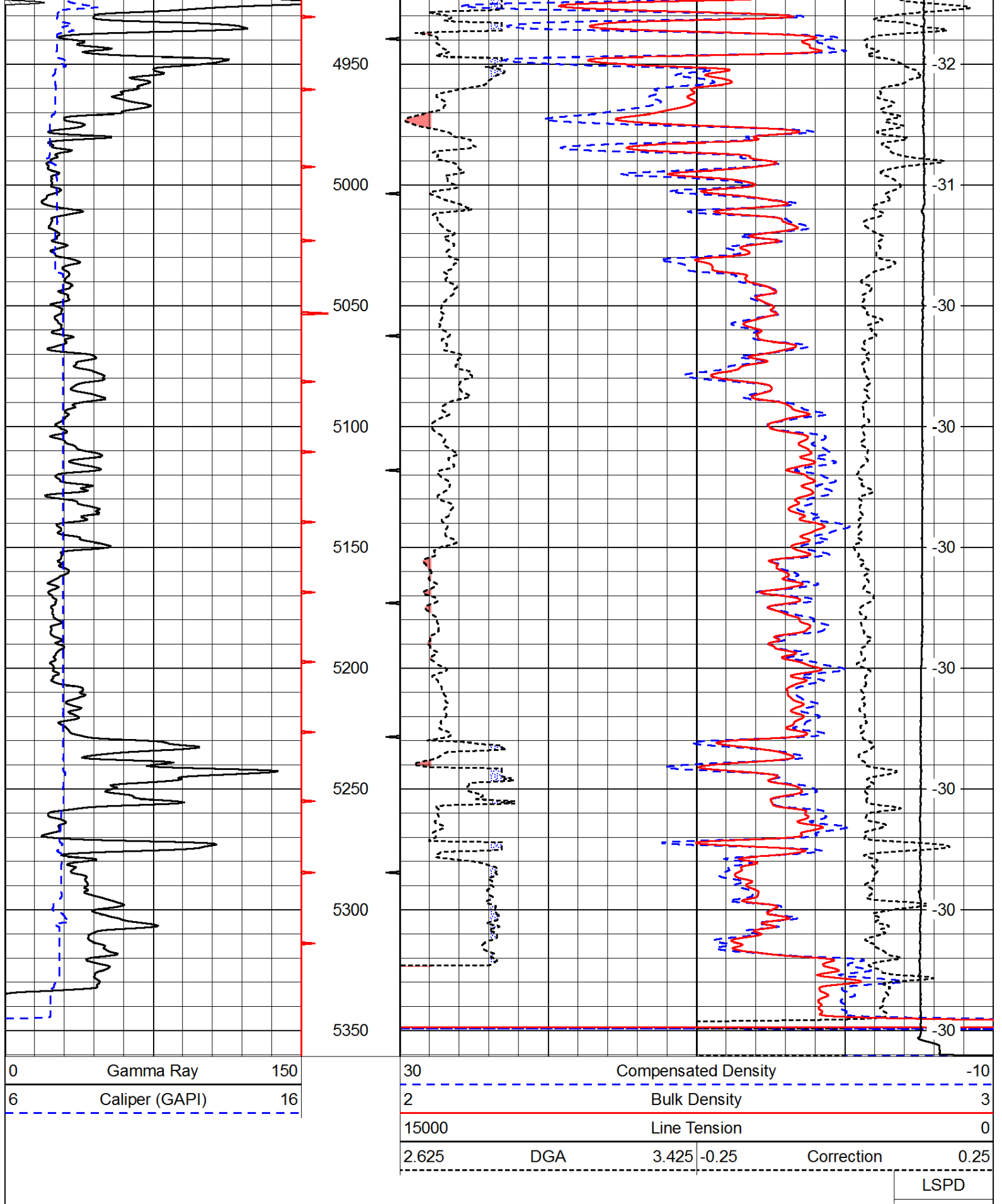
Database File: c:\warrior\data\toto\_parkin lot #1\toto\_parkinlot\_1hd.db  
Dataset Pathname: dil\totostck  
Presentation Format: cdl  
Dataset Creation: Mon Mar 03 14:58:53 2014  
Charted by: Depth in Feet scaled 1:600

|   |                |     |
|---|----------------|-----|
| 0 | Gamma Ray      | 150 |
| 6 | Caliper (GAPI) | 16  |

|            |                     |       |       |
|------------|---------------------|-------|-------|
| 30         | Compensated Density |       | -10   |
| 2          | Bulk Density        |       | 3     |
| 15000      | Line Tension        |       | 0     |
| 2.625      | DGA                 | 3.425 | -0.25 |
| Correction |                     |       | 0.25  |
| LSPD       |                     |       |       |







Database File: c:\warrior\data\toto\_parkin lot #1\toto\_parkinlot\_1hd.db  
 Dataset Pathname: dil/totostck  
 Presentation Format: cndlspec  
 Dataset Creation: Mon Mar 03 14:58:53 2014

|   |                |     |
|---|----------------|-----|
| 0 | Gamma Ray      | 150 |
| 6 | Caliper (GAPI) | 16  |

|       |                                 |       |       |            |      |
|-------|---------------------------------|-------|-------|------------|------|
| 30    | Compensated Neutron (Limestone) |       |       |            | -10  |
| 30    | Compensated Density (Limestone) |       |       |            | -10  |
| 2.625 | DGA                             | 3.425 | -0.25 | Correction | 0.25 |
| 15000 | Line Tension                    |       |       |            | 0    |

LSPD

