



## Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-26,032-00-00

Company Mar-Lou Oil Company, LLC  
Well Jenisch No. 5  
Field Beaver South  
County Barton State Kansas

Location SW-SE-SE/4  
330' FSL & 825' FEL

Sec: 34 Twp: 16S Rge: 12W

Permanent Datum Ground Level Elevation 1891  
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Other Services  
DIL/MEL  
Elevation  
K.B. 1898  
D.F.  
G.L. 1891

Date

10/8/14

Run Number

One

Type Log

CNL / CDL

Depth Driller

3430

Depth Logger

3427

Bottom Logged Interval

3406

Top Logged Interval

2600

Type Fluid In Hole

Chemical

Salinity, PPM CL

4,000

Density

9.4

Level

Full

Max. Rec. Temp. F

110

Operating Rig Time

2 Hours

Equipment -- Location

10 Hays

Recorded By

J. Henrickson

Witnessed By

Roger Fisher

### Borehole Record

| Run No | Bit   | From | To  | Size  | Wgt. | Casing Record | To  |
|--------|-------|------|-----|-------|------|---------------|-----|
| One    | 12.25 | 00   | 430 | 8.625 | 23#  | From 00       | 430 |
| Two    | 7.875 | 430  | TD  |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |
|        |       |      |     |       |      |               |     |

### Casing Record

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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

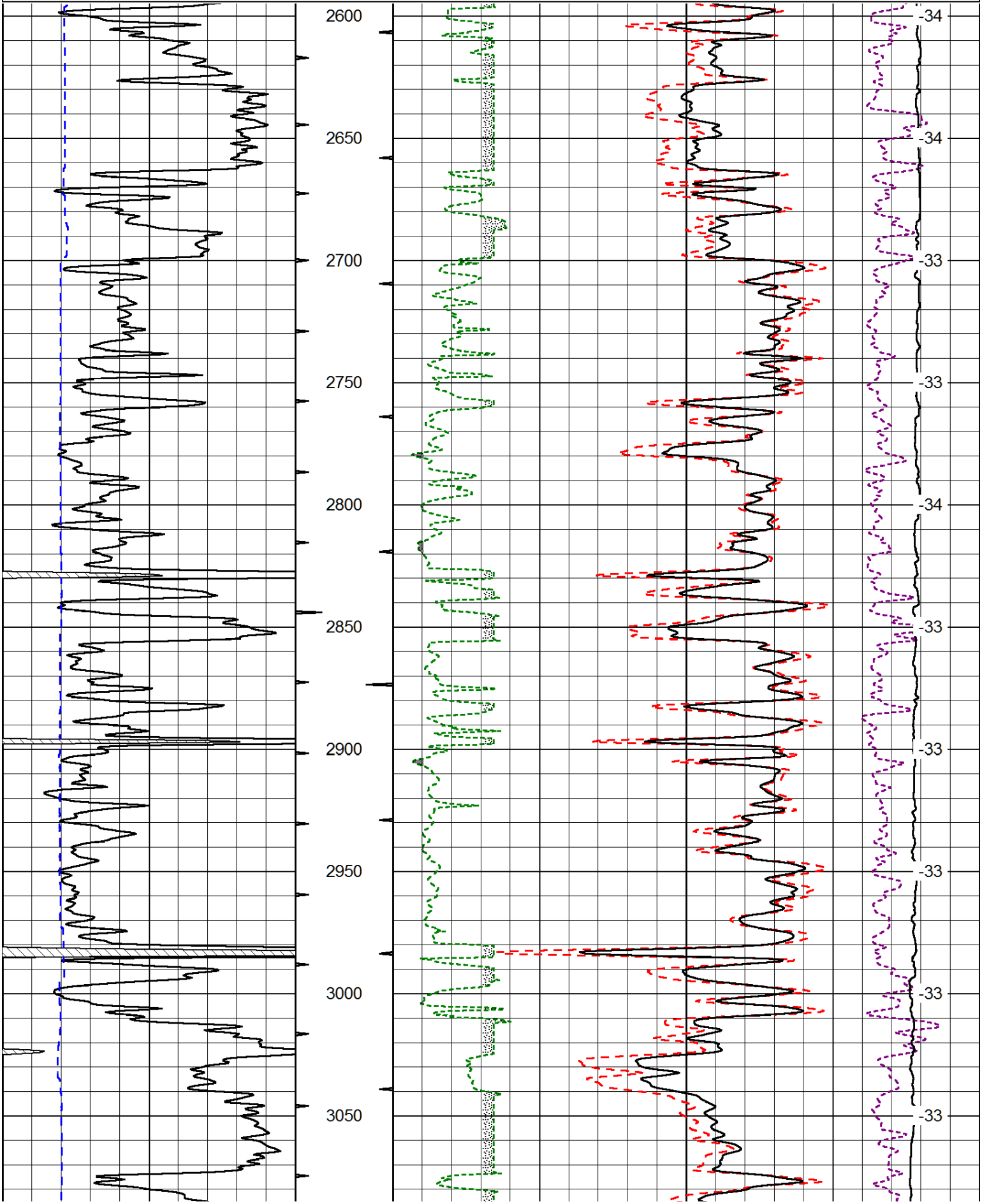
Thank you for using Log-Tech, Inc.  
(785) 625-3858

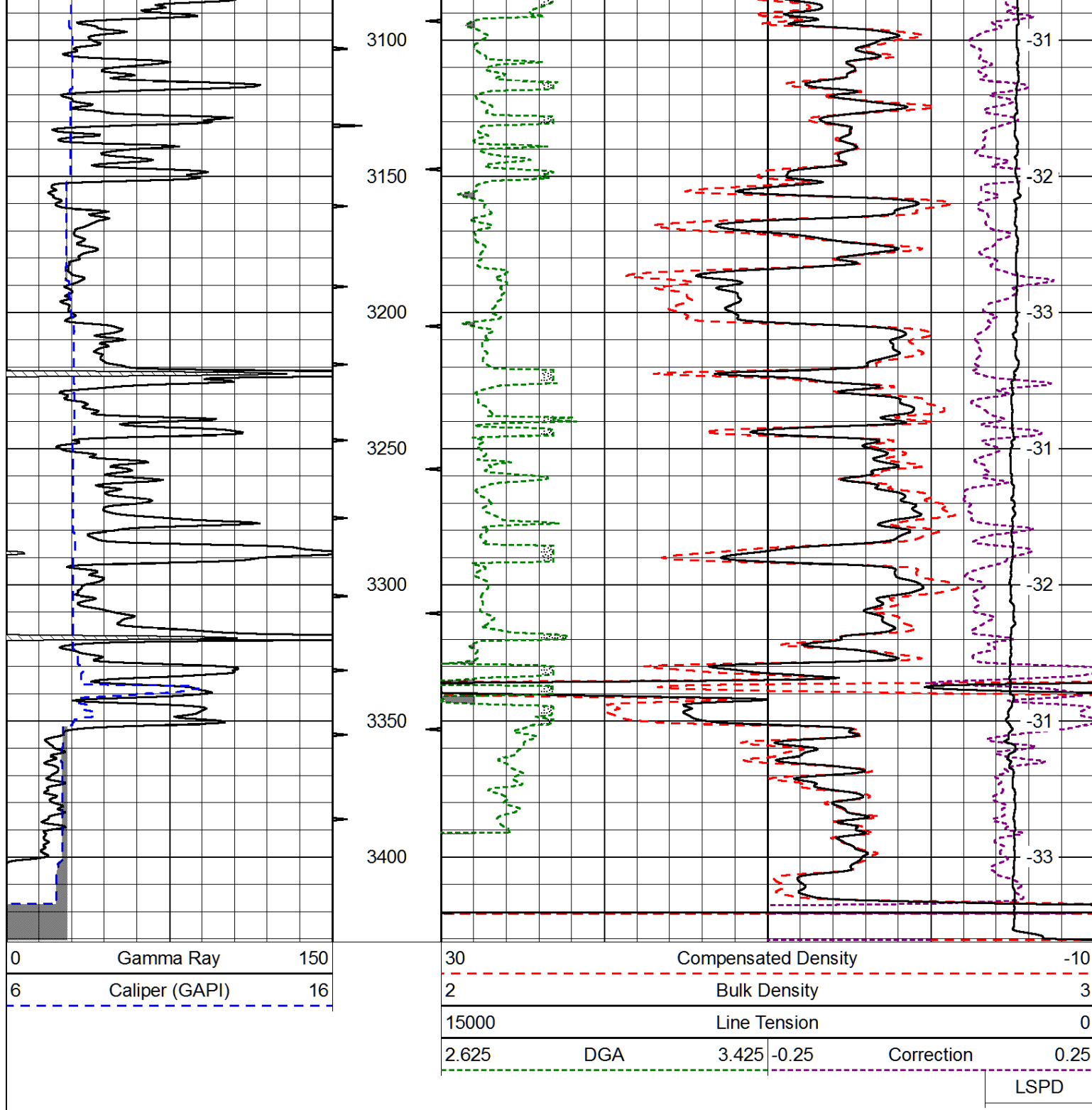
Beaver Kansas  
2 East, 2 South, 1/2 West, North Into

Database File: marlou\_jenisch\_5hd.db  
Dataset Pathname: DIL/marall  
Presentation Format: cdl  
Dataset Creation: Wed Oct 08 08:35:22 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: marlou\_jenisch\_5hd.db  
 Dataset Pathname: DIL/marall  
 Presentation Format: cndlspec  
 Dataset Creation: Wed Oct 08 08:35:22 2014  
 Charted by: Depth in Feet scaled 1:240

