



## Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-25,793-00-00

Company **Casino Petroleum**

Well **Larry #1**

Field **Chase-Silica**

County **Barton**

State **Kansas**

Location

N/2 NE NW  
330' FNL & 3300' FEL

Other Services  
DIL/MEL

Sec: 18

Twp: 20S

Rge: 11W

Permanent Datum

Ground Level  
Kelly Bushing

Elevation 1780  
10 Ft. Above Perm. Datum

Elevation  
K.B. 1790  
D.F. 1790  
G.L. 1780

Log Measured From

Kelly Bushing

Elevation 1780

Drilling Measured From

Kelly Bushing

Elevation 1780

Date

1/14/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

3400

Depth Logger

3399

Bottom Logged Interval

3378

Top Logged Interval

2600

Type Fluid In Hole

Chemical

Salinity, PPM CL

8300

Density

9.3

Level

Full

Max. Rec. Temp. F

110

Operating Rig Time

4 Hours

Equipment -- Location

15 Days

Recorded By

D Kerr

Witnessed By

Josh Austin

Borehole Record

From

To

Size

Wgt.

From

To

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

276

8.625

23#

00

276

Two

7.875

276

TD

<<< Fold Here >>>

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

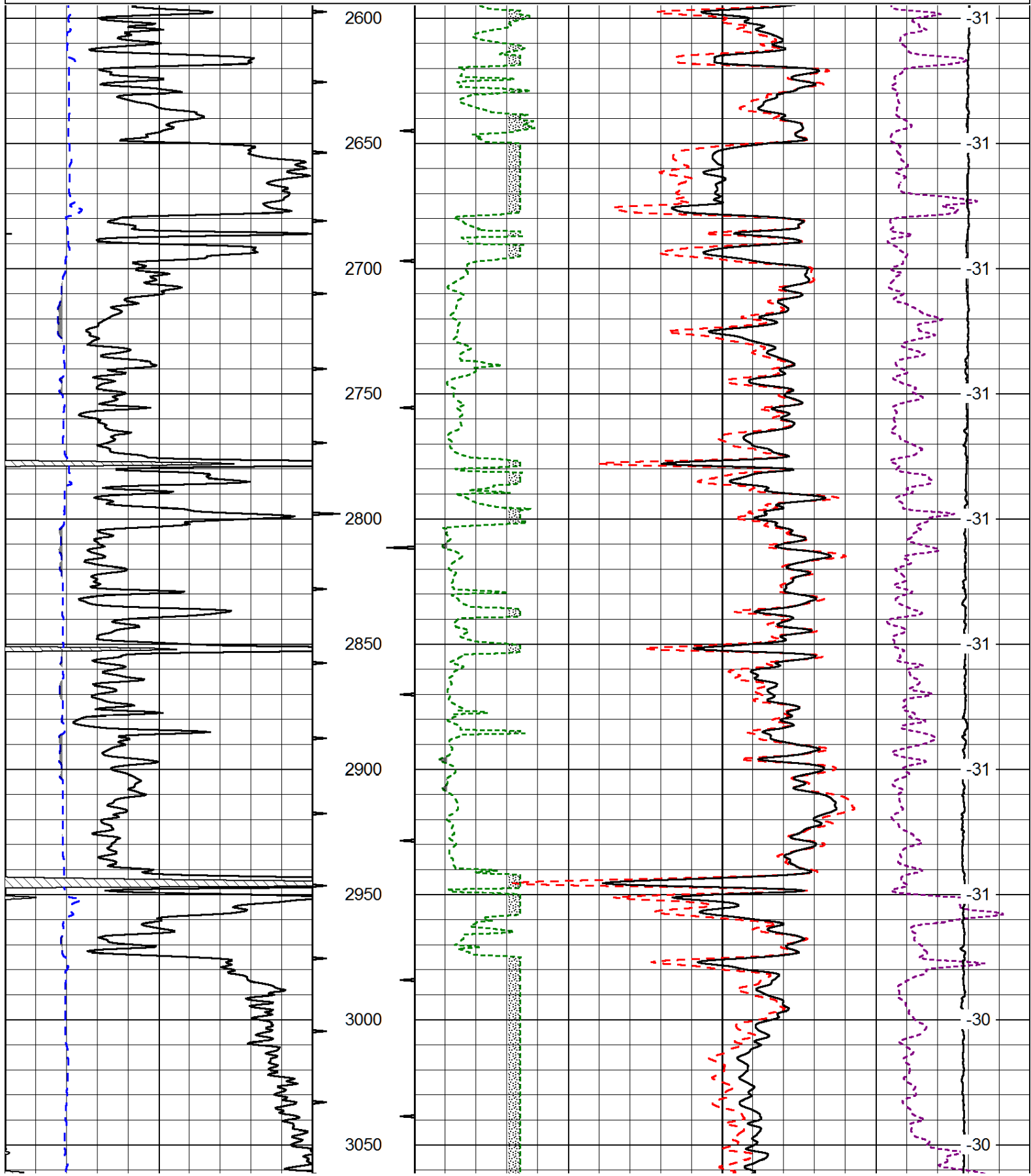
Thank you for using Log-Tech, Inc.  
(785) 625-3858

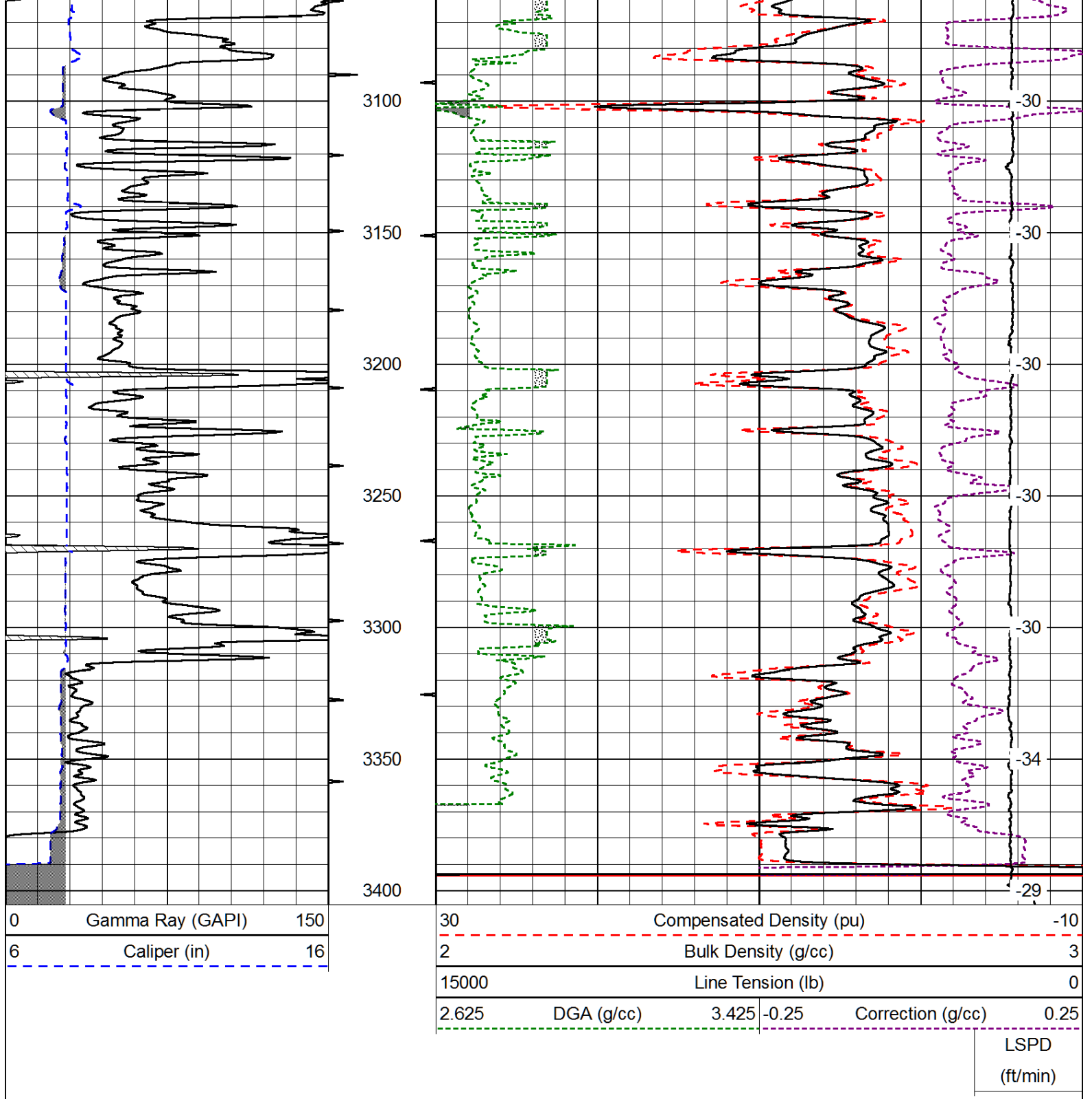
Ellinwood KS, SouthWest to SE 100 Ave,  
1 South, 1/4 East, South Into

Database File: c:\warrior\data\casino\_larry\_#1\casino\_larry\_1hd.db  
Dataset Pathname: DIL/casnstk2  
Presentation Format: cdl  
Dataset Creation: Mon Jan 14 09:18:28 2013  
Charted by: Depth in Feet scaled 1:600

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

|       |                          |       |       |
|-------|--------------------------|-------|-------|
| 30    | Compensated Density (pu) |       | -10   |
| 2     | Bulk Density (g/cc)      |       | 3     |
| 15000 | Line Tension (lb)        |       | 0     |
| 2.625 | DGA (g/cc)               | 3.425 | -0.25 |
|       | Correction (g/cc)        |       | 0.25  |
|       | LSPD (ft/min)            |       |       |





Database File: c:\warrior\data\casino\_larry\_#1\casino\_larry\_1hd.db  
 Dataset Pathname: DIL/casnstk2  
 Presentation Format: cndlspec  
 Dataset Creation: Mon Jan 14 09:18:28 2013  
 Charted by: Depth in Feet scaled 1:240

