



# Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-25,958-00-00

Company Prospect Oil & Gas Corporation

Well Bitter No. 2

Field Trapp

County Barton

State Kansas

Location SW-NE-SW-NE  
1975' FNL & 1845' FEL

Sec: 11 Twp: 16S Rge: 14W

Permanent Datum Ground Level Elevation 1929  
Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum  
Drilling Measured From Kelly Bushing

Other Services  
DIL/MEI

Elevation  
K.B. 1936  
D.F. 1929  
G.L. 1929

Date 3/28/14

Run Number One

Type Log CNL / CDL

Depth Driller 3440

Depth Logger 3439

Bottom Logged Interval 3418

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 8,900

Density 9.2

Level Full

Max. Rec. Temp. F 110

Operating Rig Time 3 1/2 Hours

Equipment -- Location 108 Hays

Recorded By J. Henrickson

Witnessed By Randy Kilian

Borehole Record

Casing Record

| Run No. | Bit   | From | To  | Size  | Wgt. | From | To  |
|---------|-------|------|-----|-------|------|------|-----|
| One     | 12.25 | 00   | 413 | 8.625 | 23#  | 00   | 413 |
| Two     | 7.875 | 413  | TD  |       |      |      |     |
|         |       |      |     |       |      |      |     |
|         |       |      |     |       |      |      |     |
|         |       |      |     |       |      |      |     |
|         |       |      |     |       |      |      |     |
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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

Russell Kansas  
South to County Line, 1 South, 1/2 East, South Into

|   |                  |     |
|---|------------------|-----|
| 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<br>(ft/min) |









