



# Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-055-22,302-00-00

Company American Warrior, Inc.

Well O'Brate-Finney #2-15

Field

County Finney

State Kansas

Location 1994' FNL & 537' FWL

Sec: 15 Twp: 25S Rge: 31W

Other Services  
DIL  
MEL

Permanent Datum Ground Level Elevation 2761

Log Measured From Kelly Bushing 11 Ft. Above Perm. Datum

Elevation  
K.B. 2772  
D.F.  
G.L. 2761

Date 5/31/2014

Run Number One

Type Log CNL / CDL

Depth Driller 5000

Depth Logger 4998

Bottom Logged Interval 4977

Top Logged Interval 3850

Type Fluid In Hole Chemical

Salinity, PPM CL 2,800

Density 9.3

Level Full

Max. Rec. Temp. F 126

Operating Rig Time 4 Hours

Equipment -- Location 17 Days

Recorded By C. Desaire

Witnessed By Kevin Timson

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1 12.25 00 1720 8.625 24# 00 1720

2 7.875 1720 5000

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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 Pioneer Energy Services  
www.pioneerres.com  
785 625 3858

Pierceville KS, 1 S to Beach Rd,  
2 W, 1/2 N, E Into

Database File: c:\warrior\data\amwar\_o'brate-finney #2-15\awhd.db  
Dataset Pathname: dil\awstk  
Presentation Format: cdl  
Dataset Creation: Sat May 31 21:37:06 2014  
Charted by: Depth in Feet scaled 1:600

|                                        |                |     |       |                     |       |
|----------------------------------------|----------------|-----|-------|---------------------|-------|
| Charted by: Depth in Feet scaled 1:500 |                |     |       |                     |       |
| 0                                      | Gamma Ray      | 150 | 30    | Compensated Density | -10   |
| 6                                      | Caliper (GAPI) | 16  | 2     | Bulk Density        | 3     |
|                                        |                |     | 15000 | Line Tension        | 0     |
|                                        |                |     | 2.625 | DGA                 | 3.425 |
|                                        |                |     | -0.25 | Correction          | 0.25  |
|                                        |                |     | LSPD  |                     |       |















