



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-135-25609-00-00

Company American Warrior, Inc.
Well Schniepp # 4-31 NE
Field DeWald North
County Ness State Kansas

Location 1100' FNL & 1275' FEL

Other Services
DIL

Sec: 31 Twp: 18 S Rge: 21 W

Permanent Datum Ground Level Elevation 2121
Log Measured From Kelly Bushing 6 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 2127
D.F.
G.L. 2121

Date 9/3/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4242

Depth Logger 4240

Bottom Logged Interval 4219

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 8000

Density 9.3

Level Full

Max. Rec. Temp. F 120

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By Y. Ruiz

Witnessed By Jason Alm

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
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1	12.25	00	1383	8.625	24#	00	1383
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2	7.875	1383	4242				
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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
Bazine,
1/2 East to EE Rd, 1/8 South,
West into

Database File: c:\warrior\data\amwar_schniepp # 4-31 ne\american_warrior090313.db
Dataset Pathname: dil/awstk
Presentation Format: cdl
Dataset Creation: Tue Sep 03 10:14:45 2013
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











