



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-069-20,478-00-00

Company American Warrior, Inc.

Well Katherine No. 2-19

Field

County Gray

State Kansas

Location 1802' FNL & 640' FWL

Sec: 19

Twp: 24S

Rge: 30W

Other Services
DIL
MEL/BHCS

Permanent Datum Ground Level Elevation 2880

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

K.B. 2891
D.F.
G.L. 2880

Drilling Measured From Kelly Bushing

Date 8/12/14

Run Number One

Type Log CNL / CDL

Depth Driller 5150

Depth Logger 5152

Bottom Logged Interval 5131

Top Logged Interval 4000

Type Fluid In Hole Chemical

Salinity, PPM CL 4,700

Density 9.3

Level Full

Max. Rec. Temp. F 128

Operating Rig Time 5 Hours

Equipment -- Location 91 Hays

Recorded By J. Henrickson

Witnessed By Kevin Timson

Run No Bit From To Size Wgt. From To

One 12.25 00 1702 8.625 23# 00 1702

Two 7.875 1702 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.
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Kalvesta Kansas
West to Havlitch Rd, South to D Rd, West to Mennonite Rd, 3/4 S, East Into

Database File: americanwarrior_katherine_2_19hd.db
Dataset Pathname: DIL/awstk
Presentation Format: cdl
Dataset Creation: Tue Aug 12 21:33:21 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
	-0.25	Correction	0.25
			LSPD















