



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-28,899-00-00

Company H&D Exploration, LLC

Well Snider No. 1

Field Beaver

County Barton

State Kansas

Location

SE-SW-NE-NE
1037' FNL & 703' FEL

Sec: 9

Twp: 16S

Rge: 12W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 1861
K.B. 1870
D.F. 1861
G.L. 1861

Other Services
DIL
MEI/BHCS

Date 10/25/13

Run Number One

Type Log CNL / CDL

Depth Driller 3303

Depth Logger 3303

Bottom Logged Interval 3282

Top Logged Interval 2645

Type Fluid In Hole Chemical

Salinity, PPM CL 7,200

Density 9.3

Level Full

Max. Rec. Temp. F 109

Operating Rig Time 5 Hours

Equipment -- Location 108 Hays

Recorded By J. Henrickson

Witnessed By Jim Musgrove

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

One 12.25 00 775 8.625 23# 00 775

Two 7.875 775 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

Beaver Kansas
1 East, 2 1/2 North, West Into

Database File: handd_snider_1hd.db
Dataset Pathname: DIL/hdstk
Presentation Format: cdl
Dataset Creation: Fri Oct 25 08:04:59 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)









