



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-185-23823-00-00

Company Vamco Operations

Well MGT A-1 #1

Field Dell East

County Stafford

State Kansas

Location 1590' FNL & 770' FEL

Other Services
DIL
MEI/BHCS

Sec: 8 Twp: 21S Rge: 13W

Permanent Datum Ground Level Elevation 1893
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1902
D.F. 1893
G.L. 1893

Date

8/28/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

3650

Depth Logger

3650

Bottom Logged Interval

3629

Top Logged Interval

3000

Type Fluid In Hole

Chemical

Salinity, PPM CL

12000

Density

9.3

Level

Full

Max. Rec. Temp. F

115

Operating Rig Time

5 Hours

Equipment -- Location

91 Hays

Recorded By

D. Schmidt

Witnessed By

Jeff Burk

Eli Felts

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

One

12.25

00

263

TD

8.625

23#

00

263

Two

7.875

263

TD

TD

TD

TD

TD

TD

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

Great Bend,
South on 281 to county line, 1 South, 1 West, 1/8 South,
West into

Database File: vamco_082813hd.db
Dataset Pathname: dil/vamstck
Presentation Format: cdl
Dataset Creation: Wed Aug 28 17:36:49 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)









