



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-053-20985-00-02

Company LB Exploration, Inc.
Well Petermann 28 #1
Field Unnamed
County Ellsworth State Kansas

Location 1420' FSL & 430' FEL

Sec: 28 Twp: 17S Rge: 10W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 1829
Log Measured From Kelly Bushing 13 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1842
D.F.
G.L. 1829

Date 8/22/2013

Run Number One

Type Log CNL / CDL

Depth Driller 3600

Depth Logger 3598

Bottom Logged Interval 3577

Top Logged Interval 2400

Type Fluid In Hole Chemical

Salinity, PPM CL 4000

Density 9.2

Level Full

Max. Rec. Temp. F 114

Operating Rig Time 4 Hours

Equipment -- Location 91 Days

Recorded By D. Schmidt

Witnessed By Steven Petermann

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
---------	-----	------	----	------	------	------	----

1	12.25	00	304	8.625	24#	00	304
---	-------	----	-----	-------	-----	----	-----

2	7.875	304	3600				
---	-------	-----	------	--	--	--	--

<<< Fold Here >>>

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
Claflin,
East to 4th Rd, 1 1/4 North,
West into

Database File: c:\warrior\data\lb_exp_petermann 28 #1\lb_082213hd.db
Dataset Pathname: dil\lbstck
Presentation Format: cdl
Dataset Creation: Thu Aug 22 07:26:02 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			

















