



Pioneer Energy Services

Dual Compensated Porosity Log

15-101-22,489-00-00

API No.

Company **Larson Engineering, Inc**
 Well **Trost #1-31**
 Field **Wildcat**
 County **Lane** State **Kansas**

Location **NW SE NW SE
1898' FSL & 1783' FEL**
 Sec: **31** Twp: **18 S** Rge: **27 W**

Permanent Datum **Ground Level** Elevation **2720**
 Log Measured From **Kelly Bushing** **7** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Other Services
DIL/MEI
 Elevation
 K.B. **2727**
 D.F. **2720**
 G.L. **2720**

Date	2/5/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	4692
Depth Logger	4695
Bottom Logged Interval	4674
Top Logged Interval	3600
Type Fluid In Hole	Chemical
Salinity, PPM CL	2700
Density	9.3
Level	Full
Max. Rec. Temp. F	123
Operating Rig Time	3 1/2 Hours
Equipment -- Location	17 Hays
Recorded By	T. Martin
Witnessed By	Vern Schrag

Borehole Record		Casing Record				
Run No.	Bit From	To	Size	Wgt.	From	To
One	12.25	00	277	8.625	23#	00
Two	7.875	277	TD			277

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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.pioneerenergy.com
 785 625 3858

Dighton, approx. 6 E to Quantum Rd,
 3 S, 1 E, N into

Database File: c:\warrior\data\larson_trost #1-31\lrsnhd.db
 Dataset Pathname: DIL/lrsndt
 Presentation Format: cdl
 Dataset Creation: Wed Feb 05 19:55:11 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
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			















