



Pioneer Energy Services

Dual Compensated Porosity Log

15-051-26,683-00-00

API No.

Company **Richland Oil Investments, LLC**
 Well **Schonthalder #4**
 Field **Lucky Lady**
 County **Ellis**
 State **Kansas**

Location **SE-NW-SW-NW
1813' FNL & 390' FWL**
 Sec: **30** Twp: **11S** Rge: **19W**

Other Services
DIL
MEL

Permanent Datum **Ground Level** Elevation **2035**
 Log Measured From **Kelly Bushing** **6** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
K.B. 2041
D.F.
G.L. 2035

Date	5/1/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	3690
Depth Logger	3692
Bottom Logged Interval	3671
Top Logged Interval	2950
Type Fluid In Hole	Chemical
Salinity, PPM CL	2,500
Density	9.3
Level	Full
Max. Rec. Temp. F	115
Operating Rig Time	2 1/2 Hours
Equipment -- Location	91 Hays
Recorded By	J. Henrickson
Witnessed By	Steve Murphy

Borehole Record		Casing Record	
Run No.	Bit From To	Size	Wgt. From To
1	12.25 00	8.625	24# 00
2	7.875 270	3690	270

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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.pioneerres.com
 785 625 3858
 Yocemento Exit on I70
 North to Buskeye Rd, West to 170th Ave, North to Curves,
 West Into at Cattle Guard(Tank Batteries)

Database File: c:\warrior\data\richland_schonthalder #4\richland_050114hd.db
 Dataset Pathname: DIL/richstk
 Presentation Format: cdl
 Dataset Creation: Thu May 01 22:59:14 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			











