



Borehole Compensated Sonic Log

Pioneer Energy Services

API No.

15-009-25936-00-00

Company Bird Dog Oil, LLC
Well Lakin-Sieker #1-23
Field Lanterman
County Barton State Kansas

Other Services
CNL/CDL
MEL/DIL

Location 1335' FNL & 1000' FWL
Sec: 23 Twp: 19S Rge: 11W

Permanent Datum Ground Level Elevation 1775
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Elevation
K.B. 1785
D.F. 1775
G.L. 1775

Date 2/2/2014

Run Number Two

Type Log BHC Sonic

Depth Driller 3450

Depth Logger 3448

Bottom Logged Interval 3437

Top Logged Interval 300

Type Fluid In Hole Chemical

Salinity, PPM CL 8500

Density 9.3

Level Full

Max. Rec. Temp. F 111

Operating Rig Time 5 Hours

Equipment -- Location 10 Days

Recorded By D. Schmidt

Witnessed By Adam Nighswonger

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	309	8.625	23#	00	309
Two	7.875	309	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

Ellinwood,
3 East to 140 Rd, 2 1/2 North,
East & North into

Charted by:			Depth in Feet scaled 1:2.15			
0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)





























