



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-007-24181-00-00

Company Lario Oil & Gas Company

Well Houlton #5

Field Whelan Southwest

County Barber State Kansas

Location 1650' FSL & 2310' FEL

Sec: 4

Twp: 32S

Rge: 12W

Other Services
DIL
MEL/BHCS

Permanent Datum Ground Level Elevation 1478

Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum

K.B. 1488
D.F.
G.L. 1478

Date 6/20/2014

Run Number One

Type Log CNL / CDL

Depth Driller 4525

Depth Logger 4523

Bottom Logged Interval 4502

Top Logged Interval 3300

Type Fluid In Hole Chemical

Salinity, PPM CL 4000

Density 9.3

Level Full

Max. Rec. Temp. F 123

Operating Rig Time 6 Hours

Equipment -- Location 91 Hays

Recorded By D. Schmidt

Witnessed By Jeff Quimby

Borehole Record

Casing Record

Run No	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	290	8.625	23#	00	290
Two	7.875	290	TD				

<<< 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 Log-Tech, Inc.
(785) 625-3858

Medicine Lodge,
West on River Road to Spring Creek Road,
1/4 South, East into

Database File: lario_houlton_5hd.db
Dataset Pathname: dil/lastack
Presentation Format: cdl
Dataset Creation: Fri Jun 20 19:13:33 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			















