

Company

LD DRILLING, INC.

Well

NO. 1-5 MILLER A'

Field

HEN WEST

County

NORTON

State

KANSAS

Location:

2090' FSL & 990' FEL

AP # : 15-137-20739-00-00

Other Services
CNL/COL
DIL

SEC 5

TWP 3S

R3E 23W

Ground Level Elevation
2338

Log Measured From
KELLY BUSHING 5 A.G.L

Drilling Measured From
KELLY BUSHING

Elevation
K.E. 2343
D.L. 2341
G.L. 2338

Date

10/20/16

Run Number

TWO

Depth Driller

3711

Depth Logger

3712

Bottom Logged Interval

3710

Top Log Interval

3100

Casing Driller

8 5/8" @ 229'

Casing Logger

223'

Bit Size

7 7/8

Type Fluid in Hole

CHEMICAL MUD

Density / Viscosity

9.6/52

pH / Fluid Loss

10.6/6.0

Source of Sample

FLOWLINE

Rmt @ Meas. Temp

1.20@78

Rmt @ Meas. Temp

90@78

Source of Rmt / Temp

MEASUREMENT

Rmt @ BHT

82@114

Time Logger on Bottom

2 HOURS

Maximum Recorded Temperature

114F

Equipment Number

3802

Location

HAYS, KANSAS

Recorded By

JUSTIN HENRICKSON

Witnessed By

LARRY FRIEND

JASON CAPPELLUCCI

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Comments

THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395

DIRECTIONS

NORTON KANSAS

WEST EDGE OF TOWN, GO SOUTH ON W1 RD TO FIRST ROAD THAT ANGLES

SOUTHWEST, GO 1 MILE, 1/8 SOUTH, WEST INTO

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SOUTHWEST, GO 1 MILE, 1/8 SOUTH, WEST INTO

Database File

31295ddn8.db

Dataset Pathname

pass6.1

Presentation Format

_micro

Dataset Creation

Thu Oct 20 17:55:58 2016

Charted by

Depth in Feet scaled 1:240

0

GAMMA RAY (GAPI)

150

ABHV

0

MEL1.5 (Ohm-m)

40

6

CALIPER (in)

16

10 (ft3)

0

MEL2.0 (Ohm-m)

40

TBHV

0 (ft3)

10

3100

3150

3200

3250

3300

3350

3400

3450

3500

3550

3600

3650

3700

0

GAMMA RAY (GAPI)

150

ABHV

0

MEL1.5 (Ohm-m)

40

6

CALIPER (in)

16

10 (ft3)

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_micro

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Thu Oct 20 17:50:27 2016

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Depth in Feet scaled 1:240

0

GAMMA RAY (GAPI)

150

ABHV

0

MEL1.5 (Ohm-m)

40

6

CALIPER (in)

16

10 (ft3)

0

MEL2.0 (Ohm-m)

40

TBHV

0 (ft3)

10

3500

3550

3600

3650

3700

0

GAMMA RAY (GAPI)

150

ABHV

0

MEL1.5 (Ohm-m)

40

6

CALIPER (in)

16

10 (ft3)

0

MEL2.0 (Ohm-m)

40

TBHV

0 (ft3)

10

Calibration Report														
Database File		31295ddn8.db												
Dataset Pathname		pass5.90												
Dataset Creation		Thu Oct 20 17:31:38 2016												
MICRO_USR Calibration Report														
Serial Number:		070911												
Tool Model:		ProbeL												
Performed:		Wed Nov 04 20:04:04 2015												
Caliper Calibration:		Gain=4.161		Offset=-1.700										
References	Readings	Low Cal		High Cal										
		8.000		14.000										
		1.333		2.775										
1.5" Calibration:		Gain=37.000		Offset=0.000										
References	Readings	Low Cal		High Cal										
		0.000		20.000										
		0.0018		0.843										
2" Calibration:		Gain=35.000		Offset=0.650										
References	Readings	Low Cal		High Cal										
		0.000		20.000										
		0.021		0.810										
Microlog Calibration Report														
Serial-Model:		070911-ProbeL												
Performed:		Sat Apr 11 01:13:01 2015												
		Readings		References		Results								
		Zero	Cal	Zero	Cal	m		b						
Normal	Inverse	0.0002	0.4836	V	0.0000	10.0000	Ohm-m	20.6908	-1.0000					
		0.0018	0.6297	V	0.0000	10.0000	Ohm-m	15.9263	-1.0000					
		0.0000	1.0000	V	0.0000	1.0000	in	1.0000	0.0000					
Gamma Ray Calibration Report														
Serial Number:		7												
Tool Model:		Probe1												
Performed:		Wed Jun 29 11:10:58 2016												
Calibrator Value:		1.0		GAPI										
Background Reading:		0.0		cps										
Calibrator Reading:		1.0		cps										
Sensitivity:		0.4300		GAPI/cps										