Company	John O Farmer Inc.
Well	States A #2
Field	Hansen West
County	Phillips
State	Kansas

The Perforators Wireline Services LLC

MICRO RESISTIVITY LOG

Company: John O Farmer Inc.
Well: States A #2
Field: Hansen West
County: Phillips
State: Kansas
Location: SEC 15 T7S R18W, 1197' FSL 1197' FEL
API # 15-147-20662
Elevation: 2076ft (KB) 2071ft (GL)
Other Services: DIL

Run Number: One
Depth Driller: 3099
Depth Logger: 3097
Bottom Logged Interval: 3097
Top Logged Interval: 3000
Type Fluid in Hole: Chem
Salinity, ppm Cl: 3000
Density / Viscosity: 9.2 / 57
pH / Fluid Loss: 9.5 / 7cc
Source of Sample: Flow Line
Rm @ Meas. Temp.: 1.74@70deg
Rmf @ Meas. Temp.: 1.39@70deg
Rmc @ Meas. Temp.: 2.32@70deg
Source of Rmf / Rmc: Calc / Calc
Rm @ BHT: 1.12@100deg
Time Circ. Stopped: 5:30
Time Logger on Bottom: 8:15
Maximum Recorded Temperature: 100deg
Equipment Number: Unit 2
Location: Oakley, Kansas
Recorded By: Tom
Witnessed By: Jim Thompson, Mr. Dustin Farmer

Permanent Datum: GL
Log Measured From: KB 9.5ft
Drilling Measured From: KB

Elevation: 2076ft (KB) 2071ft (GL)

Date: 5-8-2012
Time: 13:47:45
Unit Number: 2001
Max Recorded Temperature: 100deg
Recorded By: Tom
Witnessed By: Jim Thompson, Mr. Dustin Farmer

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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 The Perforators LLC
Hays, KS (785) 621-4604

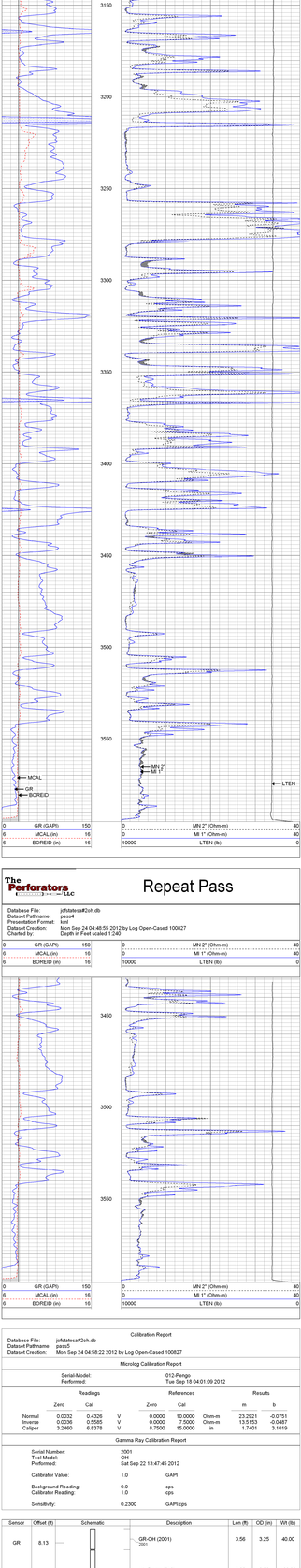
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Main Pass

Database File: johstatesa#2oh.db
Dataset Pathname: pass5
Presentation Format: lost
Dataset Creation: Mon Sep 24 04:58:22 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0



0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0

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Repeat Pass

Database File: johstatesa#2oh.db
Dataset Pathname: pass4
Presentation Format: lost
Dataset Creation: Mon Sep 24 04:48:55 2012 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0

0	GR (GAPI)	150
6	MCAL (in)	16
6	BOREID (in)	16

0	MN 2" (Ohm-m)	40
0	MI 1" (Ohm-m)	40
10000	LTEN (lb)	0

Calibration Report

Database File: johstatesa#2oh.db
Dataset Pathname: pass5
Dataset Creation: Mon Sep 24 04:58:22 2012 by Log Open-Cased 100827

Microlog Calibration Report

Serial-Model: 012-Pengo
Performed: Tue Sep 18 04:01:09 2012

	Readings Zero	Readings Cal		References Zero	References Cal		Results m	Results b
Normal	0.0032	0.4326	V	0.0000	10.0000	Ohm-m	23.2921	-0.0751
Inverse	0.0036	0.5585	V	0.0000	7.5000	Ohm-m	13.5153	-0.0487
Caliper	0.2460	0.6316	V	0.7500	15.0000	in	1.7401	3.1019

Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: GH
Performed: Sat Sep 22 13:47:45 2012

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2300 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	8.13		GR-GH (2001)	3.56	3.25	40.00
MN	1.30		ML-Pengo (012)	6.96	3.50	100.00
MI	1.30					
MCAL	1.30					

Dataset: johstatesa#2oh.db: field/well/run1/pass5
Total Length: 10.53 ft
Total Weight: 140.00 lb
O.D.: 3.50 in