Company	John O Farmer Inc.
Well	Sutley A #1
Field	Wildcat
County	Phillips
State	Kansas

The Perforators LLC

COMPENSATED DENSITY NEUTRON LOG

Company	John O Farmer Inc.		
Well	Sutley A #1		
Field	Wildcat		
County	Phillips	State	Kansas
Location:	API # : 15 147 20651		Other Services
	1920' FNL & 740' FWL		ML
	SEC 19 TWP 4S RGE 18W		DIL
Permanent Datum	Ground Level	Elevation 1937	Elevation K.B. 1942
Log Measured From	KB 5' AGL		D.F. 1941
Drilling Measured From	KB		G.L. 1937

Date	12-11-11
Run Number	One
Depth Driller	3600'
Depth Logger	3600'
Bottom Logged Interval	3574'
Top Log Interval	2760'
Casing Driller	231'
Casing Logger	231'
Bit Size	7 7/8"
Type Fluid in Hole	Chemical Mud
Density / Viscosity	9.2/45
pH / Fluid Loss	10.5/8.8
Source of Sample	Pit
Rm @ Meas. Temp	1.7@55degf
Rmf @ Meas. Temp	1.36@55degf
Rmc @ Meas. Temp	2.72@55degf
Source of Rmf / Rmc	Calculated
Rm @ BHT	1.04@106degf
Time Circulation Stopped	3:00 a.m.
Time Logger on Bottom	6:30 a.m.
Maximum Recorded Temperature	106 degf
Equipment Number	T045
Location	Hays, KS.
Recorded By	L. Smith
Witnessed By	Mr. Randy Killian

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Comments

Hyw 9 west of Glade Ks., N on 400 rd.

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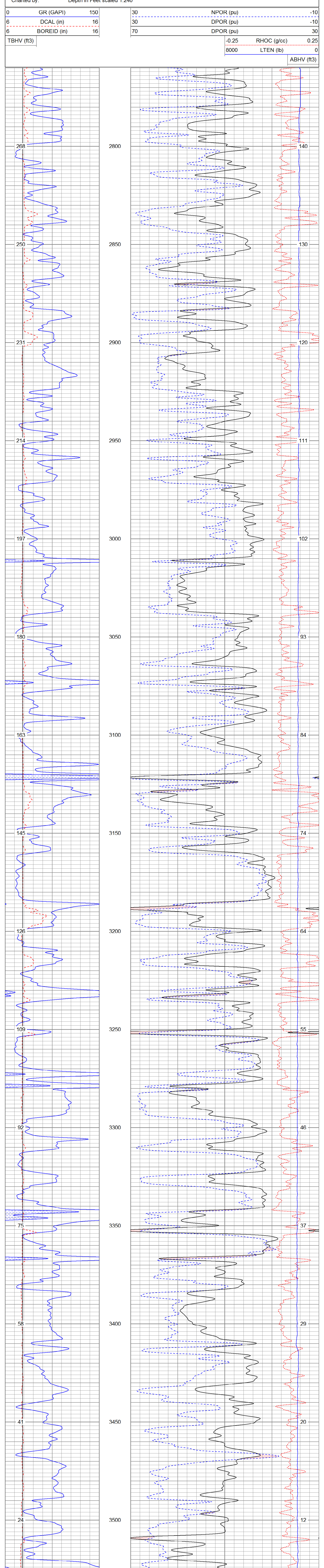
Main Pass

Database File: jofsutleya#1oh.db
Dataset Pathname: pass2
Presentation Format: kcdnl
Dataset Creation: Sun Dec 11 07:39:16 2011 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240



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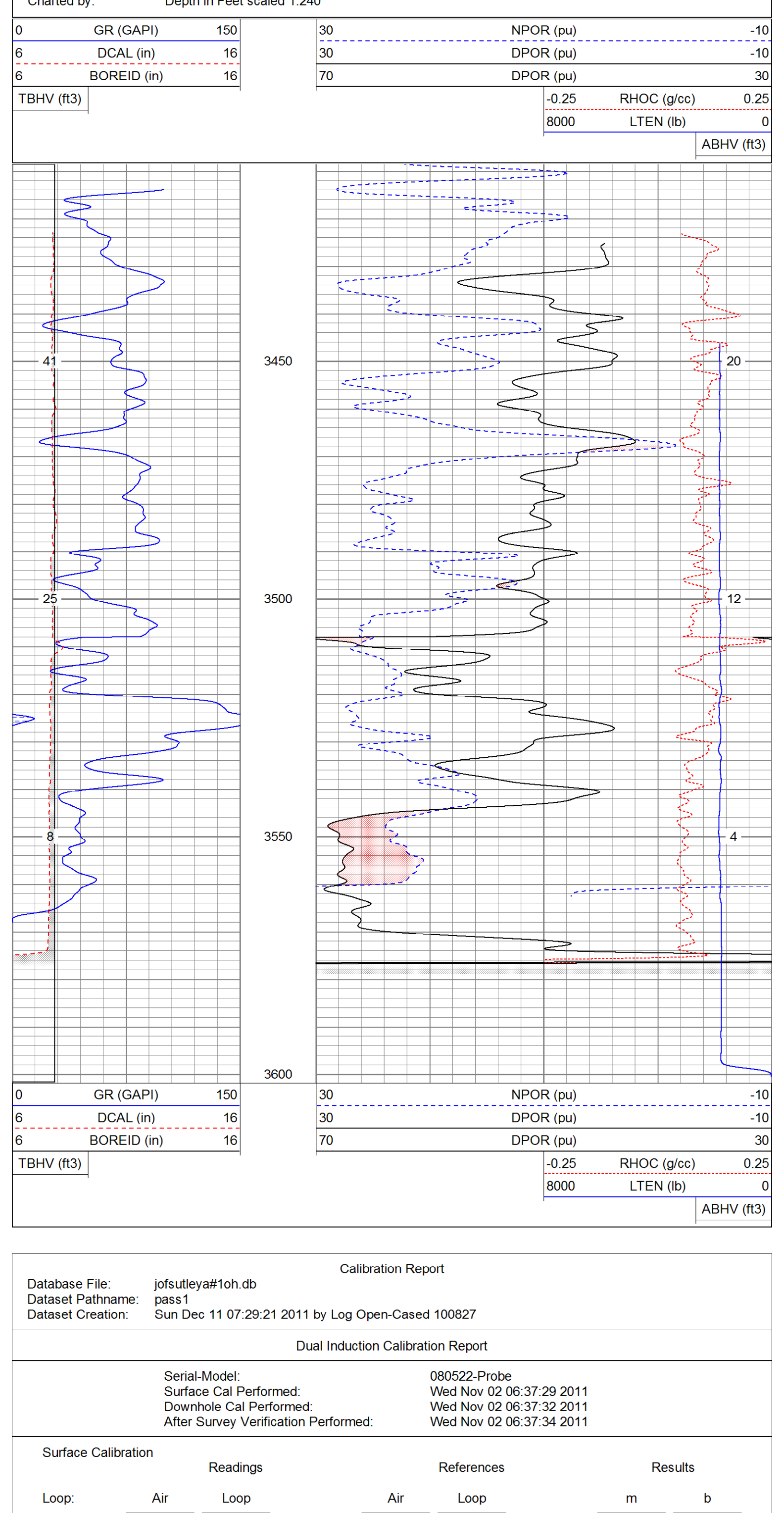
Repeat Pass

Database File: jofsutleya#1oh.db
Dataset Pathname: pass1.1
Presentation Format: kcdnl
Dataset Creation: Sun Dec 11 08:07:12 2011
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: jofsutleya#1oh.db
Dataset Pathname: pass1
Dataset Creation: Sun Dec 11 07:29:21 2011 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 080522-Probe
Surface Cal Performed: Wed Nov 02 06:37:29 2011
Downhole Cal Performed: Wed Nov 02 06:37:32 2011
After Survey Verification Performed: Wed Nov 02 06:37:34 2011

Surface Calibration

Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	-0.000	0.638	V	0.000	400.000	mmho/m	626.857	0.275
Medium	0.001	0.741	V	0.000	464.000	mmho/m	626.953	-0.823
Internal:	**Zero**	**Cal**		**Zero**	**Cal**		**m**	**b**
Deep	0.000	0.638	V	0.000	400.000	mmho/m	627.013	-0.291
Medium	0.001	0.741	V	0.000	464.000	mmho/m	627.190	-0.915

Downhole Calibration

	Readings Zero	Readings Cal		References Zero	References Cal		Results m'	Results b'
Deep	0.096	400.608	mmho/m	0.566	400.467	mmho/m	0.998	0.471
Medium	-0.069	464.142	mmho/m	0.092	463.916	mmho/m	0.999	0.161
LL3		7.358	V		750.000	Ohm-m		
		0.001	V		12.000	Ohm-m		
		-7.218	V		3745.000	mmho-m		

After Survey Verification

	Readings Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results b'
Deep	0.000	0.000	mmho/m	0.096	400.608	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-0.069	464.142	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		750.000	Ohm-m		
		0.000	Ohm-m		12.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Wed Nov 30 13:35:48 2011
Before Survey Verification Performed:
After Survey Verification Performed:

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	688.93	303.28	cps
Aluminum	2.670	g/cc	128.53	194.02	cps

Spine Angle = 75.10 Density/Spine Ratio = 0.530

	Size		Reading
Small Ring	8.15	in	5771.32
Large Ring	14.00	in	10165.20

Before Survey Verification

Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

After Survey Verification

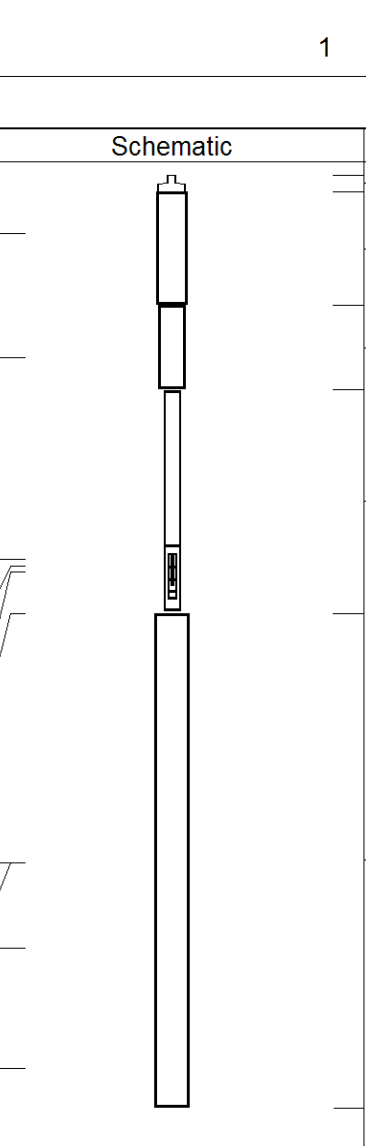
Target		Measured	
	g/cc		g/cc
	g/cc		g/cc
	g/cc		g/cc

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Thu Dec 01 13:12:17 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.2200	GAPI/cps

Neutron Calibration Report

Serial Number:	5108	
Tool Model:	PROBE	
Performed:	Wed Nov 30 13:40:27 2011	
Calibrator Value:	1	NAPI
Calibrator Reading:	1	cps
Sensitivity:	1	NAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			None	0.75	1.50	5.00
NEU	37.96		NEU-PROBE (5108) Probe	4.92	3.63	85.00
GR	32.57		GR-P2000 (2000)	3.67	3.25	40.00
			CDL-DHT (2388DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
LSD	23.78					
DCAL	23.49					
SSD	23.24					
HEADVOLT	21.47					
CILD	10.60		DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00
SP	10.60					
CILM	6.89					
RLL3	1.70					

Dataset: jofsutleya#1oh.db: field/well/run1/pass1
Total Length: 40.49 ft
Total Weight: 676.00 lb
O.D. 4.00 in