The Perforators LLC

COMPENSATED DENSITY NEUTRON LOG

Company	Charles N. Griffin
Well	Dillman Ash #5
Field	Toni-Mike
County	Barber
State	Kansas

Company Charles N. Griffin
Well Dillman Ash #5
Field Toni-Mike
County Barber State Kansas
Location: API # : 15 007 23884
4135' FSL & 4550' FEL
SEC 34 TWP 32S RGE 12W

Other Services
DIL

Permanent Datum Ground Level Elevation 1550'
Log Measured From KB 8' AGL
Drilling Measured From KB

Elevation
K.B. 1558'
D.F. 1557'
G.L. 1550'

Date	6-14-12	
Run Number	One	
Depth Driller	4890'	
Depth Logger	4891'	
Bottom Logged Interval	4868'	
Top Log Interval	3000'	
Casing Driller	264'	
Casing Logger	264'	
Bit Size	7 7/8"	
Type Fluid in Hole	Chemical	
Density / Viscosity	9.4/44	
pH / Fluid Loss	9.6/10.5	
Source of Sample	Pit	
Rm @ Meas. Temp	.3@76degf	
Rmf @ Meas. Temp	.24@76degf	
Rmc @ Meas. Temp	.384@76degf	
Source of Rmf / Rmc	Calculated	
Rm @ BHT	.196@116degf	
Time Circulation Stopped	5:00 a.m.	
Time Logger on Bottom	9:15 a.m.	
Maximum Recorded Temperature	116 degf	
Equipment Number	T045	
Location	Hays, KS.	
Recorded By	L. Smith	
Witnessed By	Mr. Bruce Reed	Mr. JR Griffin

<<< 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

South of Medicine Lodge on 281 2.5 mi. ,
W on Pleasent Valley Rd. Stay on main rd.,
when rd. curves S go across 2 cattle guards and stay on lease rd. to top of hill.

ABHV Caculated for 5.5" Casing.

Thanks for using The Perforators LLC Hays, KS. (785-621-4604)

The Perforators LLC

Main Pass

Database File:	cgdillmanash#5oh.db
Dataset Pathname:	pass2
Presentation Format:	kcdnl
Dataset Creation:	Thu Jun 14 09:32:33 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3)
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
ABHV (ft3)

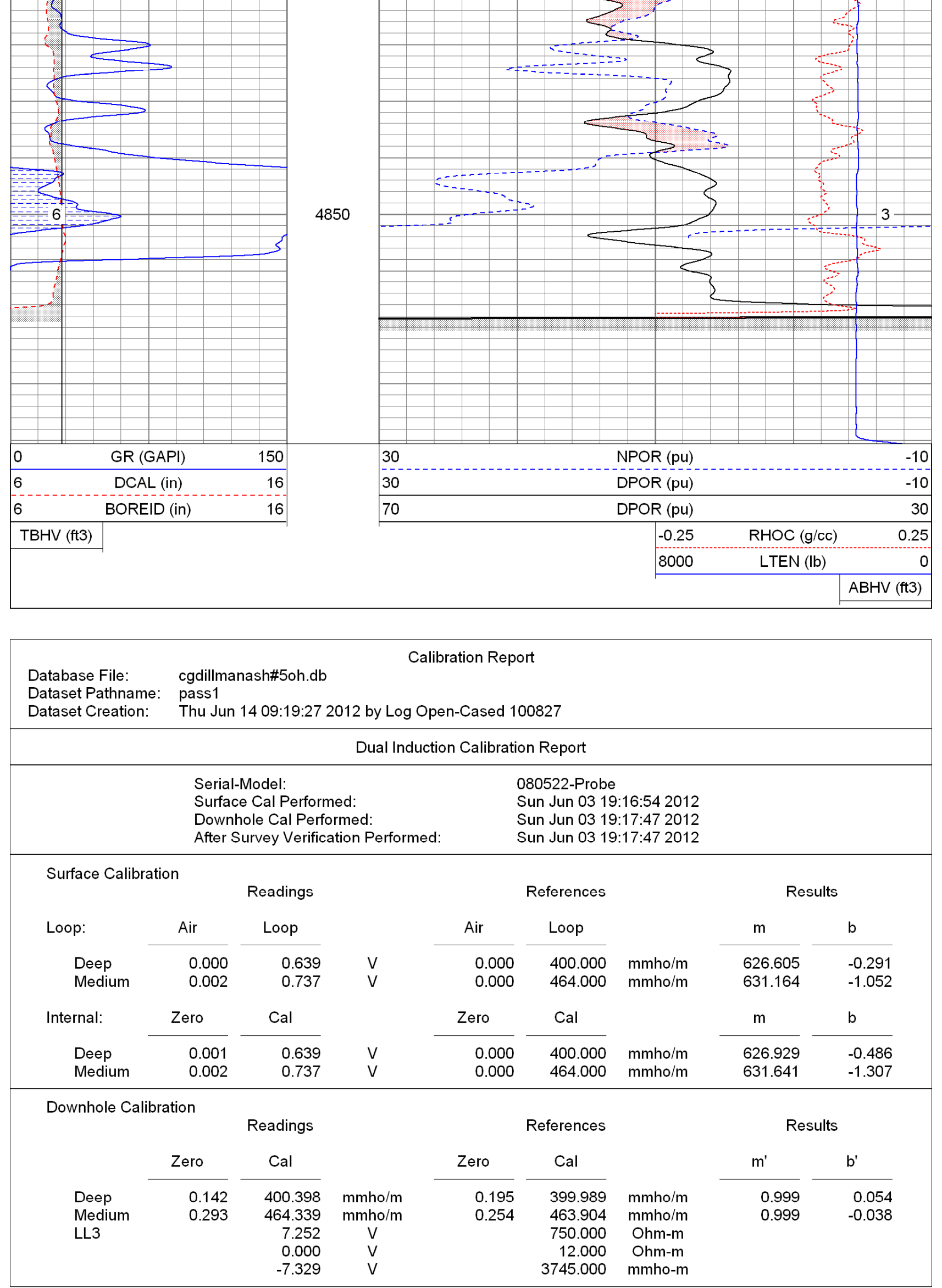
0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3)
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
ABHV (ft3)

The Perforators LLC

Repeat Pass

Database File:	cgdillmanash#5oh.db
Dataset Pathname:	pass1
Presentation Format:	kcdnl
Dataset Creation:	Thu Jun 14 09:19:27 2012 by Log Open-Cased 100827
Charted by:	Depth in Feet scaled 1:240

0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3)
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
ABHV (ft3)



0 GR (GAPI) 150
6 DCAL (in) 16
6 BOREID (in) 16
TBHV (ft3)
30 NPOR (pu) -10
30 DPOR (pu) -10
70 DPOR (pu) 30
-0.25 RHOC (g/cc) 0.25
8000 LTEN (lb) 0
ABHV (ft3)

Calibration Report

Database File:	cgdillmanash#5oh.db
Dataset Pathname:	pass1
Dataset Creation:	Thu Jun 14 09:19:27 2012 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model:	080522-Probe
Surface Cal Performed:	Sun Jun 03 19:16:54 2012
Downhole Cal Performed:	Sun Jun 03 19:17:47 2012
After Survey Verification Performed:	Sun Jun 03 19:17:47 2012

Surface Calibration

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.000	0.639	V	0.000	400.000	mmho/m	626.605	-0.291
Medium	0.002	0.737	V	0.000	464.000	mmho/m	631.164	-1.052
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.001	0.639	V	0.000	400.000	mmho/m	626.929	-0.486
Medium	0.002	0.737	V	0.000	464.000	mmho/m	631.641	-1.307

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.142	400.398	mmho/m	0.195	399.989	mmho/m	0.999	0.054
Medium	0.293	464.339	mmho/m	0.254	463.904	mmho/m	0.999	-0.038
LL3		7.252	V		750.000	Ohm-m		
		0.000	V		12.000	Ohm-m		
		-7.329	V		3745.000	mmho-m		

Compensated Density Calibration Report

Serial-Model:	2501DHT-DHT
Source / Verifier:	/
Master Calibration Performed:	Thu Jun 07 07:55:52 2012

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.750	g/cc	730.34	284.20	cps
Aluminum	2.680	g/cc	135.83	183.82	cps

Spine Angle = 75.48
Density/Spine Ratio = 0.535

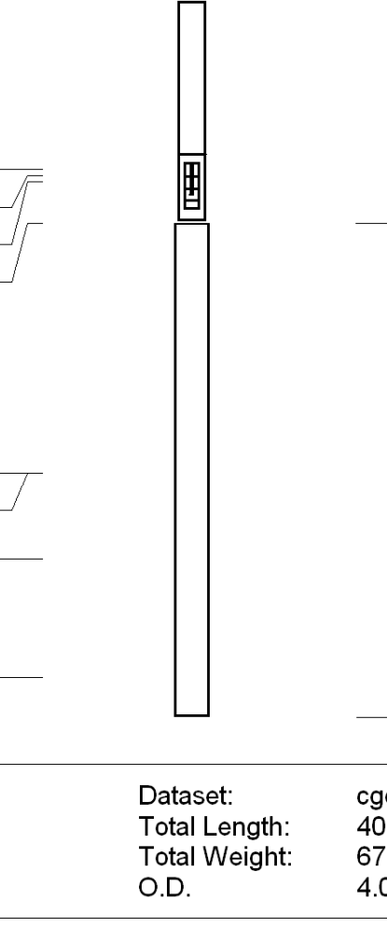
	Size		Reading
Small Ring	7.95	in	6064.22
Large Ring	14.00	in	10296.80

Gamma Ray Calibration Report

Serial Number:	2000	
Tool Model:	P2000	
Performed:	Mon Jun 04 11:56:02 2012	
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:	Tue May 29 17:59:56 2012	
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
LSD DCAL SSD HEADVOLT	23.78 23.49 23.24 21.47		CDL-DHT (2501DHT) Digital High Temp CDL Tool	9.69	4.00	201.00
CILD SP CILM RLL3	10.60 10.60 6.89 1.70		DIL-Probe (080522) Probe Dual Induction	21.47	4.00	345.00

Dataset:	cgdillmanash#5oh.db: field/well/run1/pass1
Total Length:	40.49 ft
Total Weight:	676.00 lb
O.D.	4.00 in