The Perforators LLC

MICRO RESISTIVITY LOG

Company	Charles N. Griffin
Well	Ash # 1
Field	Toni-Mike
County	Barber
State	Kansas

Company Charles N. Griffin
Well Ash # 1
Field Toni-Mike
County Barber State Kansas
Location: API # : 15 007 23669
SW/NW
SEC 34 TWP 32S RGE 12W

Other Services
CDNL
DIL

Permanent Datum Ground Level Elevation 1580'
Log Measured From KB 8' AGL
Drilling Measured From KB

Elevation
K.B. 1588'
D.F. 1587'
G.L. 1580'

Date	6-1-11		
Run Number	Two		
Depth Driller	4890'		
Depth Logger	4891'		
Bottom Logged Interval	4889'		
Top Log Interval	3400'		
Casing Driller	266'		
Casing Logger	266'		
Bit Size	7 7/8"		
Type Fluid in Hole	Chemical		
Density / Viscosity	9.3/46		
pH / Fluid Loss	9.0/10.8		
Source of Sample	Pit		
Rm @ Meas. Temp	1.9@86degf		
Rmf @ Meas. Temp	1.52@96degf		
Rmc @ Meas. Temp	3.04@96degf		
Source of Rmf / Rmc	Calculated		
Rm @ BHT	1.57@116degf		
Time Circulation Stopped	6:30 p.m.		
Time Logger on Bottom	11:30 p.m.		
Maximum Recorded Temperature	116 degf		
Equipment Number	T045		
Location	Hays, KS.		
Recorded By	L. Smith		
Witnessed By	Mr. Bruce Reed	Mr. J R 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 end.(approx. 2 miles)

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

The Perforators LLC

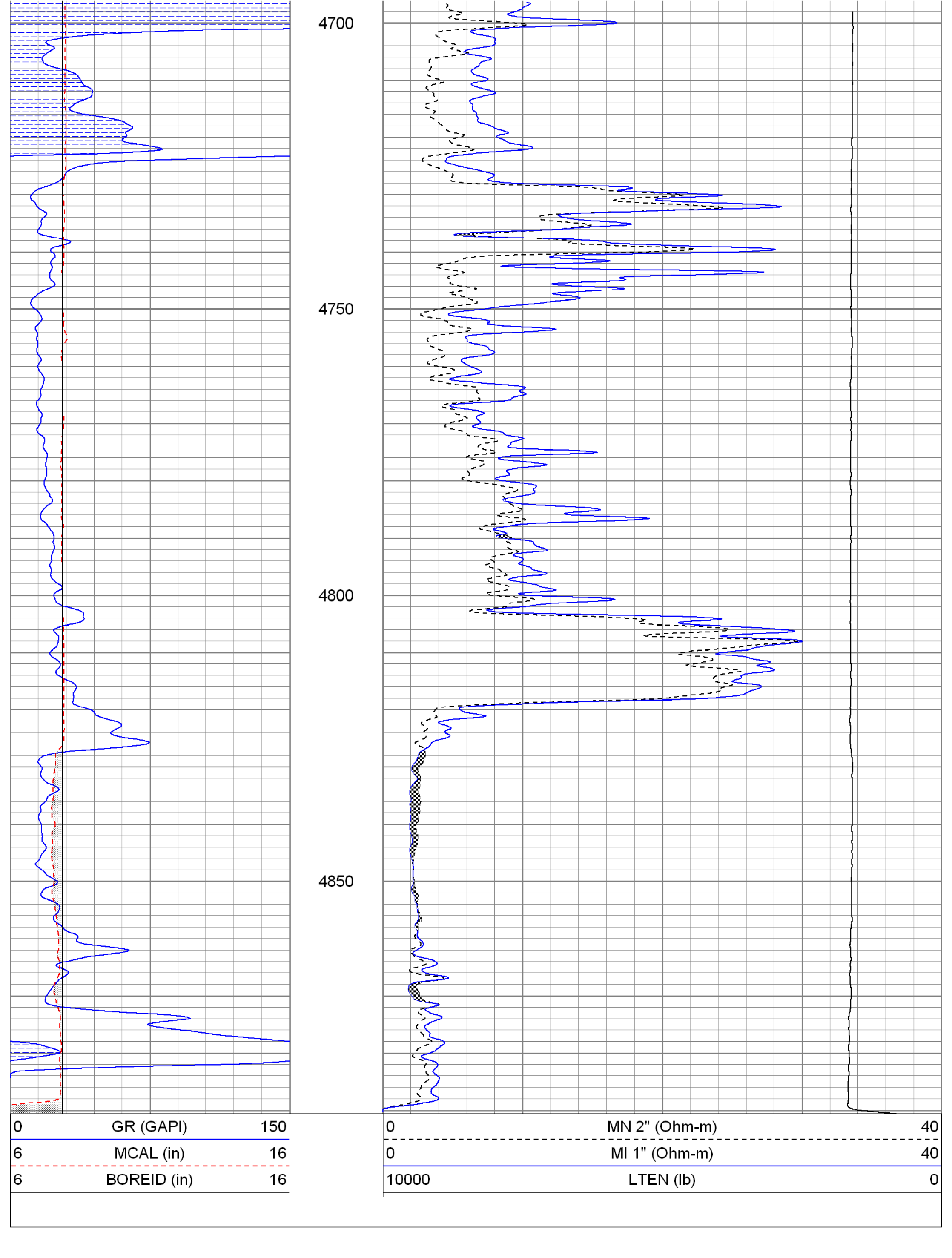
Main Pass

Database File: cgash#1.db
Dataset Pathname: pass4
Presentation Format: kml
Dataset Creation: Wed Jun 01 23:46:51 2011 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

The Perforators LLC

Repeat Pass

Database File: cgash#1.db
Dataset Pathname: pass3.1
Presentation Format: kml
Dataset Creation: Wed Jun 01 23:43:59 2011 by Calc Open-Cased 100827
Charted by: Depth in Feet scaled 1:240



Calibration Report

Database File: cgash#1.db
Dataset Pathname: pass3
Dataset Creation: Wed Jun 01 23:39:12 2011 by Log Open-Cased 100827

Microlog Calibration Report

Serial-Model: 012-Pengo
Performed: Tue May 17 05:11:27 2011

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	0.0027	0.4328	V	0.0000	10.0000	Ohm-m	23.2506	-0.0637
Inverse	0.0036	0.5584	V	0.0000	8.0000	Ohm-m	14.4179	-0.0514
Caliper	3.2460	6.8378	V	8.5500	15.0000	in	1.7957	2.7211

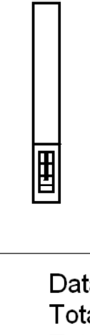
Gamma Ray Calibration Report

Serial Number: 2000
Tool Model: P2000
Performed: Wed Jun 01 11:04:27 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2200 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	8.09		GR-P2000 (2000)	3.67	3.25	40.00
MN MI MCAL	1.30 1.30 1.30		ML-Pengo (012)	6.67	3.50	100.00

Dataset: cgash#1.db: field/well/run1/pass3
Total Length: 10.34 ft
Total Weight: 140.00 lb
O.D. 3.50 in