

Job No. 16808
 Company U.S. GEOLOGICAL SURVEY
 Well SDLH
 Field ESCONDIDO
 County SAN DIEGO State CA

Location: 13455 SAN PASQUAL AVE
 GPS: N 33o 03.333' W 117o 02.781'
 Sec. Twp. Rge. Other Services: GRE/LOG SONIC/DL CALIPER

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	G.L.		K.B. D.F. G.L.
Drilling Measured From	G.L.		
Date	10-03-2012		
Run Number	ONE		
Depth Driller	275'		
Depth Logger	275'		
Bottom Logged Interval	275'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	9.875" TO 125'	9.5" TO 130'	7.875" TO 275'
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	2.5 @ 91.4F		
Rmf @ Meas. Temp	3.4 @ 91.4F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	1230		
Time Logger on Bottom	1430		
Max. Recorded Temperature	N/A		
Equipment Number	PS-5		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	J. NAWIKAS		

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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

Calibration Report

Database File 16808.db
 Dataset Pathname LL3
 Dataset Creation Wed Oct 03 14:17:56 2012

Serial Number: 12
 Tool Model: GROH
 Performed: Fri Apr 15 07:10:16 2011

 Calibrator Value: 162.0 GAPI

 Background Reading: 43.7
 Calibrator Reading: 168.2

 Sensitivity: 1.3020 GAPI/

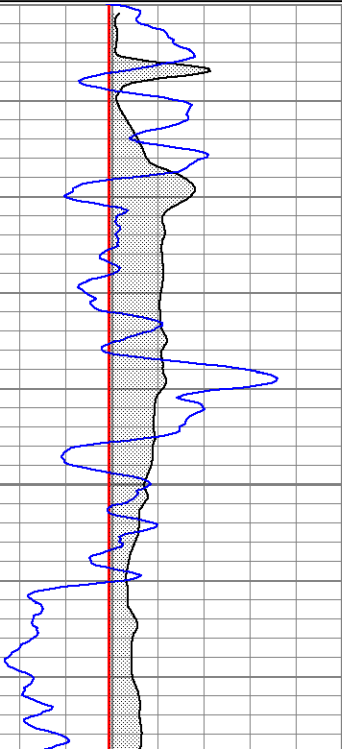
RLL3 (Resistivity Laterolog 3) Calibration Report:

Serial Number: 130
 Tool Model: M&W
 Performed: Fri Aug 31 10:37:34 2012

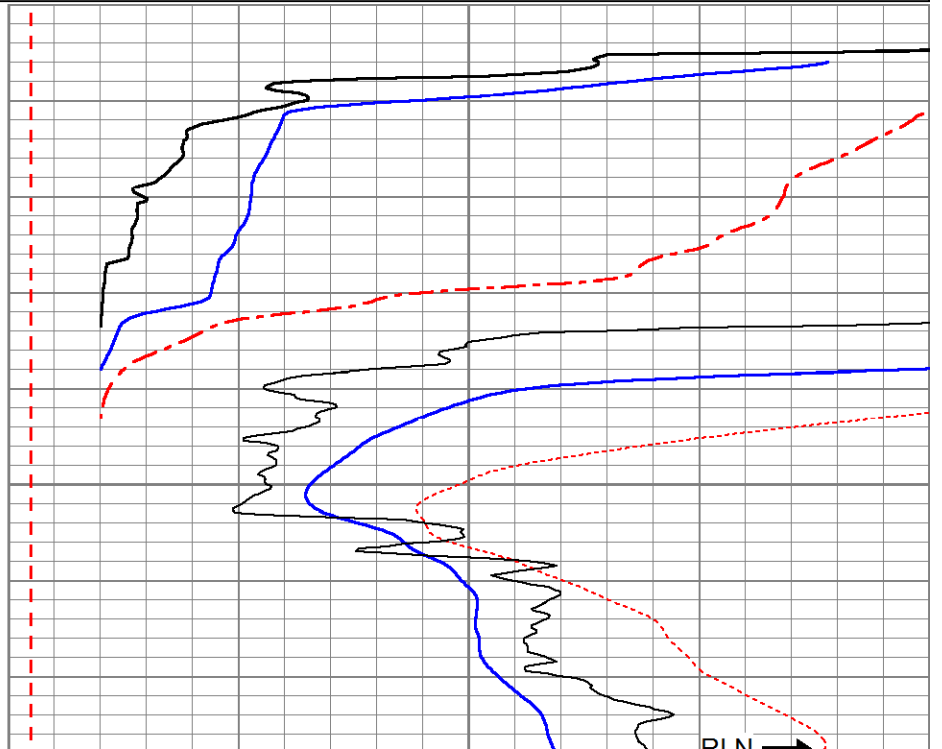
System Reading	Calibration Reference
0.003	2.500 Ohm-m
0.007	5.000
0.068	50.000
0.356	250.000
0.703	500.000

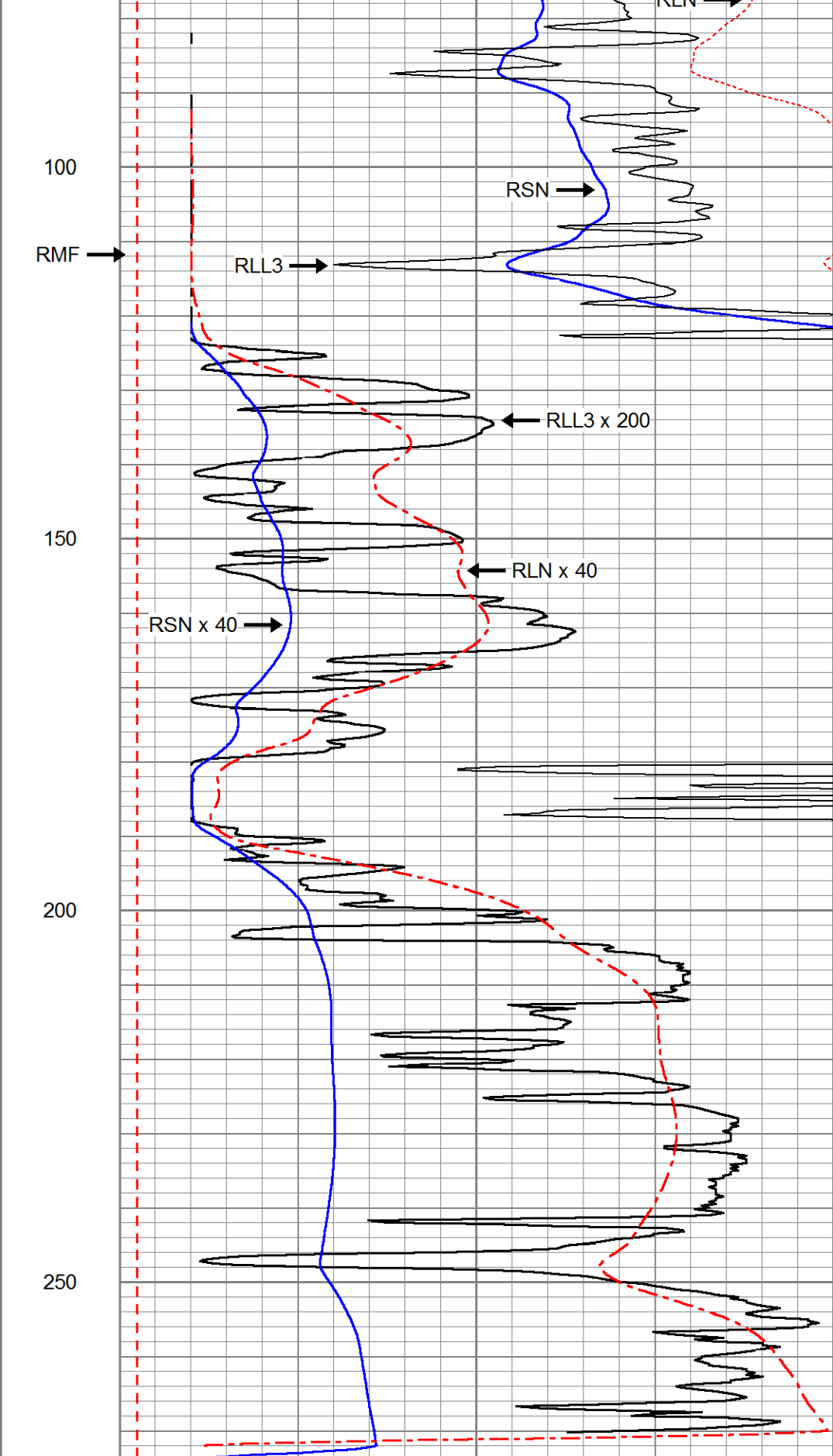
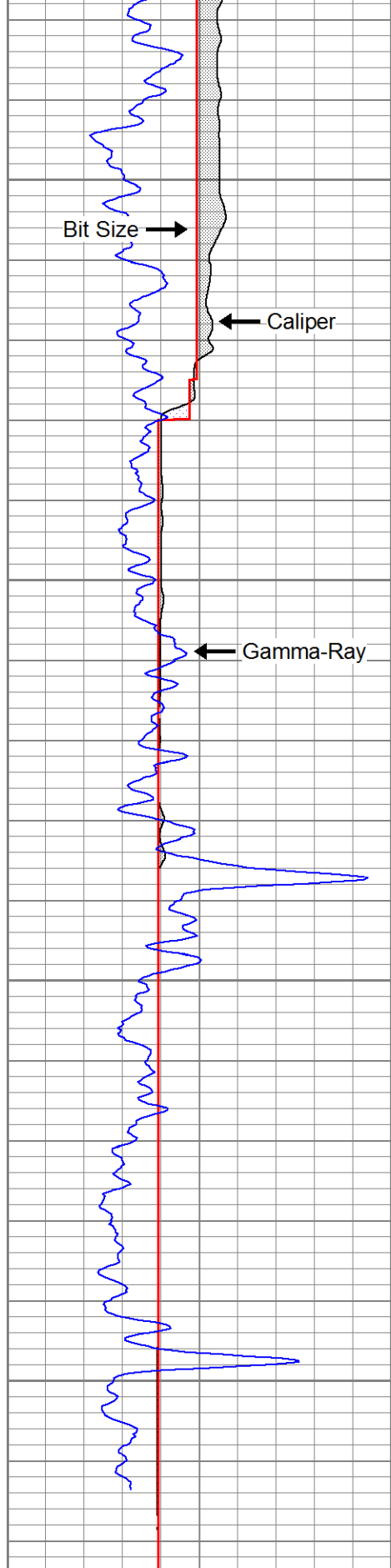
Database File 16808.db
 Dataset Pathname LL3
 Presentation Format guard
 Dataset Creation Wed Oct 03 14:17:56 2012
 Charted by Depth in Feet scaled 1:240

0	Caliper (in)	20	0	RSN (Ohm-m)	100
0	Bit Size (in)	20	0	RLN (Ohm-m)	100
60	Gamma-Ray (GAPI)	110	0	RMF (Ohm-m)	100
			0	RLL3 (Ohm-m)	100
			100	RLL3 x 200 (Ohm-m)	20000
			100	RSN x 40 (Ohm-m)	4000
			100	RLN x 40 (Ohm-m)	4000



50





0	Caliper (in)	20
0	Bit Size (in)	20
60	Gamma-Ray (GAPI)	110

0	RSN (Ohm-m)	100
0	RLN (Ohm-m)	100
0	RMF (Ohm-m)	100
0	RLL3 (Ohm-m)	100

100	RLL3 x 200 (Ohm-m)	20000
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100	RSN x 40 (Ohm-m)	4000
100	RLN x 40 (Ohm-m)	4000