

Job No. 1A354	Company HELBERT DRILLING	Well OFFERING #10	Field CROSSROADS	County LOS ANGELES	State CA
File No. 241	Other Services: ELOG CALIPER/ BH VOLUMES				
Location: CORNER OF ST. PETE @ CROSSROAD					
Sec. Permament Datum Log Measured From Drilling Measured From	Twp. G.L. G.L. G.L.	Rge. 0	Elevation above perm. datum	Elevation K.B. G.L.	
Date Run Number Depth Driller Depth Logger Bottom Logged Interval Top Log Interval	01-01-00 ONE 1518 1518 1518 100'				
Casing Driller Casing Logger Bit Size	40" @ 100' 100' 17.5"				
Type Fluid in Hole Density / Viscosity pH / Fluid Loss Source of Sample Rm @ Meas. Temp Rm @ Meas. Temp Rmc @ Meas. Temp Source of Rm / Rmc Rm @ BHT Time Circulation Stopped Time Logger on Bottom Max. Recorded Temperature Equipment Number Location Recorded By Witnessed By	N/A N/A N/A 14.08 @ 77F 14.08 @ 77F N/A MEAS N/A 14:30 17:45 N/A PS-1 L.A. RIDDER MOSES HERZOG				

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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**

**Gamma Ray Calibration Report**

Serial Number:	13
Tool Model:	GROH
Performed:	Thu Oct 10 15:46:22 2002
Calibrator Value:	162 GAPI
Background Reading:	35.1944
Calibrator Reading:	162.483
Sensitivity:	1.2727 GAPI/

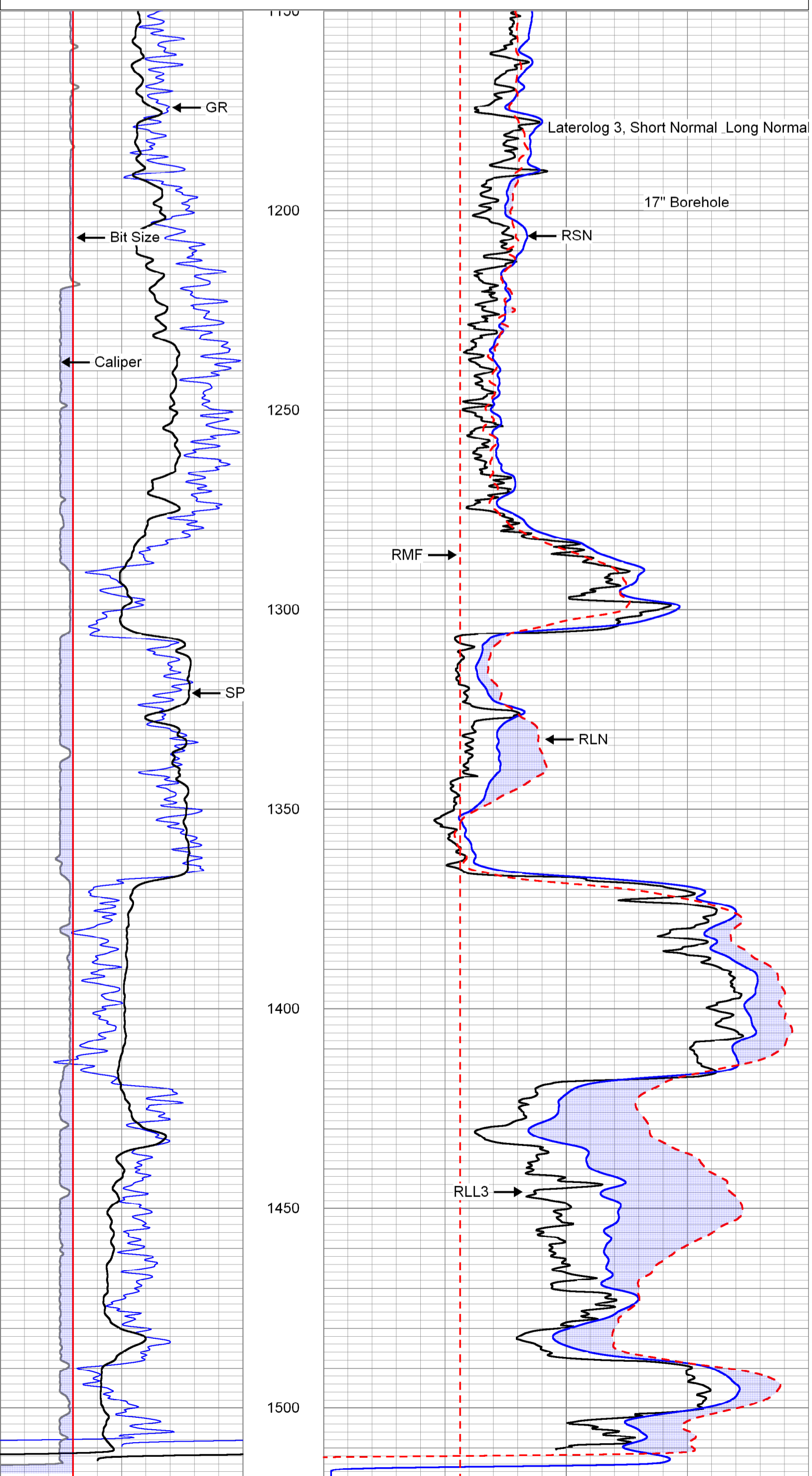
**RLL3 (Resistivity Laterolog 3) Calibration Report:**

Serial Number:	02
Tool Model:	M&W
Performed:	Tue Dec 17 11:06:54 2002
System Reading	Calibration Reference
0.256	2.500 Ohm-m
0.520	5.000
5.127	50.000
26.351	250.000
56.290	500.000

Database File: ll3.db  
 Dataset Pathname: Pacific/Bore1/run1/LL3  
 Presentation Format: guard  
 Dataset Creation: Thu Jun 10 21:38:44 2004  
 Charted by: Depth in Feet scaled 1:300

30	Gamma-Ray (GAPI)	90
16	Caliper (in)	21
16	Bit Size (in)	21
30	SP (mV)	80

0	RLL3 (Ohm-m)	50
0	RSN (Ohm-m)	50
0	RLN (Ohm-m)	50
0	RMF (Ohm-m)	50



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