

Job No. 11711	Company USGS	Well SDAQ	Field SAN DIEGO	County SAN DIEGO	State CA	Other Services
Permanent Datum G.L.	Temp. 0'	Elevation above perm. datum G.L.	Log Measured From G.L.	Date 11-16-04	Run Number ONE	Depth Logger 945'
Drilling Measured From G.L.						
Top Log Interval N/A	Casing Driller N/A	Casing Logger N/A	Bit Size 8.5"	Type Fluid in Hole BENTONITE	Density / Viscosity N/A	PH / Fluid Loss N/A
Source of Sample N/A	Fm @ Meas. Temp 6.1 @ 77F	Fm @ Meas. Temp 6.7 @ 77F	Fm @ Meas. Temp N/A	Source of Fm / Fm/c MEAS	Fm @ BHT N/A	Time Circulation Stopped N/A
Max Recorder Temperature N/A	Equipment Number PS-1	Location L.A.	Recorded By LAPORTE	Reviewed By		

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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**

**ELOG Calibration Report**

Serial: D1  
Model: DTQ

Shop Calibration Performed: Sun Oct 03 15:58:27 2004  
Before Survey Verification Performed: Fri Mar 28 18:39:54 2003  
After Survey Verification Performed: Tue Nov 20 13:45:24 2001

**Shop Calibration**

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short Long	8.338 4.448	99.830 94.107		10.200 10.200	102.200 102.200	Ohm-m Ohm-m	1.006 1.026	1.815 -18.000
IEE	133.593	6285.944	counts	0.146	6.879	A		
VSN	89.009	7086.491	counts	1.698	135.166	V		
VLN	130.741	1836.815	counts	2.494	35.035	V		

**Before Survey Verification**

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short Long	255.170 1150.040	100.412 103.869		46.444 103.264	100.411 103.264	Ohm-m Ohm-m	-0.349 0.219	135.426 80.559
IEE	140.620	6475.111	counts	0.154	7.086	A		
VSN	403.139	7304.796	counts	7.689	139.330	V		
VLN	454.231	1889.074	counts	8.664	36.032	V		

**After Survey Verification**

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short Long	0.000 0.000	99.861 102.069		0.000 102.055	99.853 102.055	Ohm-m Ohm-m	1.000 1.000	0.000 0.000
IEE	129.370	6528.851	counts	0.142	7.145	A		
VSN	142.833	7325.000	counts	2.724	139.715	V		
VLN	114.778	1871.738	counts	2.189	35.701	V		

**After Survey Verification compared to Before Survey Calibration**

	Zero			Cal			
	Before	After		Before	After		
Short Long	46.444 331.945	0.000 0.000	Ohm-m Ohm-m	100.411 103.264	99.853 102.055	Ohm-m Ohm-m	

**Gamma Ray Calibration Report**

Serial Number: D1  
Tool Model: ELOG  
Performed: Mon Jan 26 16:20:05 2004

Calibrator Value: 162 GAPI

Background Reading: 172.547 cps  
Calibrator Reading: 717.938 cps

Sensitivity: 0.297034 GAPI/cps

Database File: 11711.db  
Dataset Pathname: USGS/SDAQ/run1/Elog  
Presentation Format: ELOG  
Dataset Creation: Tue Nov 16 10:17:29 2004 by Log 6.2\_B4  
Charted by: Depth in Feet scaled 1:240

