PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
17073

File No.

Company U.S. GEOLOGICAL SURVEY
Well SDCD
Field ESCONDIDO
County SAN DIEGO State CA

Location:

14895 SAN PASQUAL VALLEY ROAD
GPS: N 33o 05.925' W 117o 01.023'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
CALIPER

Permanent Datum	G.L.		Elevation 377' above perm. datum	Elevation
Log Measured From	G.L.	0'		K.B.
Drilling Measured From	G.L.			D.F.
				G.L.

Date	01-29-2013		
Run Number	ONE		
Depth Driller	284'		
Depth Logger	284'		
Bottom Logged Interval	283'		
Top Log Interval	0'		
Casing Driller	N/A		
Casing Logger	N/A		
Bit Size	9.875" TO 123'	7.875" TO 284'	
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.6 @ 77F		
Rmf @ Meas. Temp	5.2 @ 77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	16:00		
Time Logger on Bottom	18:20		
Max. Recorded Temperature	N/A		
Equipment Number	PS-5		
Location	LA		
Recorded By	ABREAU		
Witnessed By	J. NAWIKAS		

<<< 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

Calibration Report

Database File 17073.db
Dataset Pathname elog
Dataset Creation Tue Jan 29 18:26:26 2013

ELOG Calibration Report

Serial:	D1
Model:	DTQ
Shop Calibration Performed:	Wed Jan 02 13:42:42 2013
Before Survey Verification Performed:	Fri Aug 31 10:09:27 2012
After Survey Verification Performed:	Fri Aug 31 10:11:46 2012

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	9.343	101.133		10.200	102.200	Ohm-m	1.002	0.836
Long	7.393	96.345		10.200	102.200	Ohm-m	1.034	-17.600
IEE	209.320	7096.560	counts	0.229	7.766	A		
VSN	96.180	8069.260	counts	1.835	153.911	V		
VLN	86.040	2050.920	counts	1.641	39.119	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	28.684	101.321		34.937	101.312	Ohm-m	0.914	8.726
Long	153.931	102.826		102.828	102.828	Ohm-m	0.659	35.059
IEE	245.260	7584.340	counts	0.268	8.300	A		
VSN	79.040	8633.620	counts	1.508	164.676	V		
VLN	106.040	2190.460	counts	2.023	41.780	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	28.273	101.325		28.684	101.321	Ohm-m	0.994	0.572
Long	152.477	102.843		102.826	102.826	Ohm-m	1.030	-3.065
IEE	249.140	7584.080	counts	0.273	8.300	A		
VSN	79.140	8633.680	counts	1.509	164.677	V		
VLN	106.700	2190.760	counts	2.035	41.786	V		

After Survey Verification compared to Before Survey Calibration

	Zero			Cal		
	Before	After		Before	After	
Short	34.937	28.684	Ohm-m	101.312	101.321	Ohm-m
Long	136.510	153.931	Ohm-m	102.828	102.826	Ohm-m

Gamma Ray Calibration Report

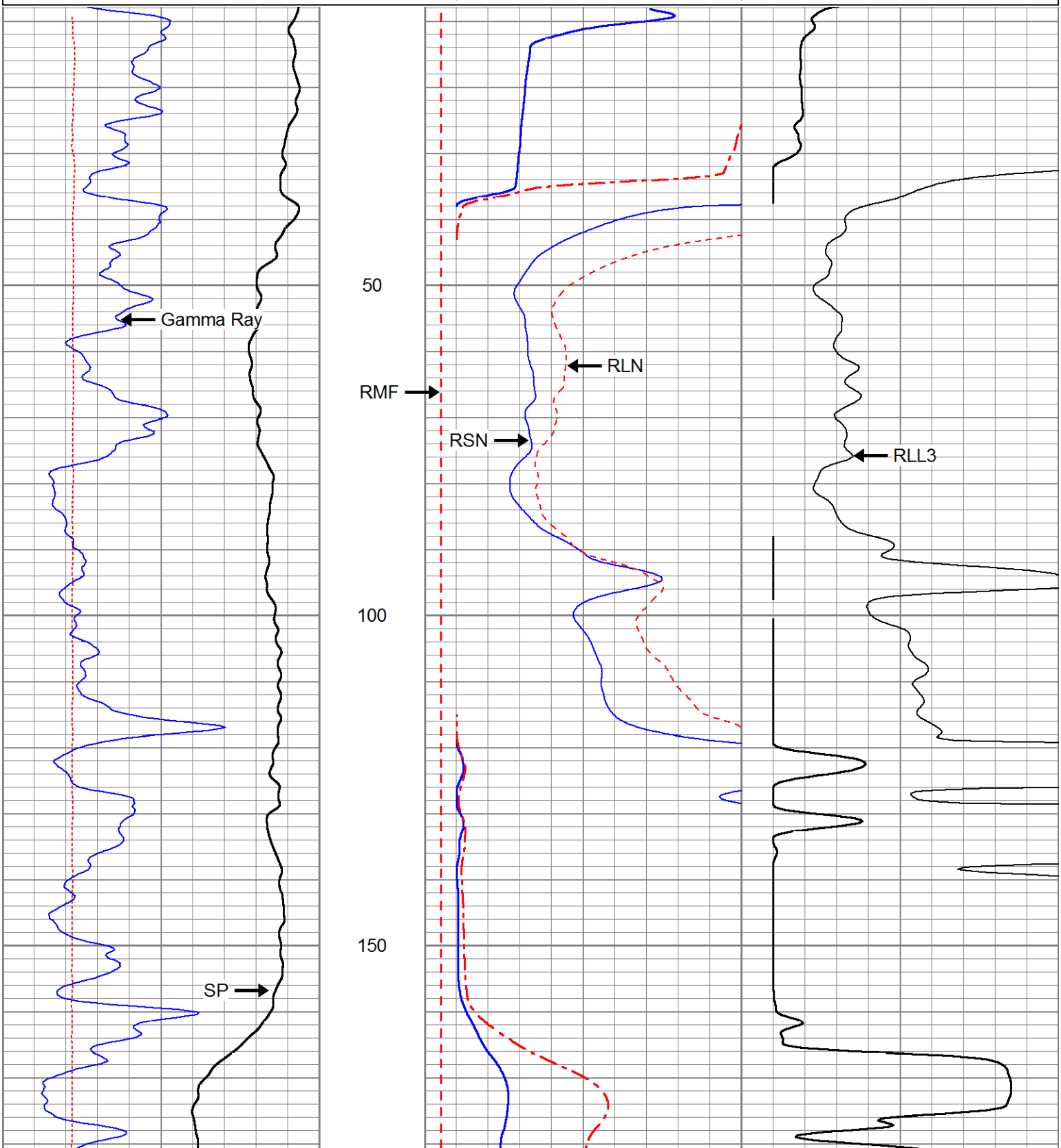
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Wed Jan 02 16:00:53 2013	
Calibrator Value:	162.0	GAPI
Background Reading:	212.4	cps
Calibrator Reading:	707.5	cps
Sensitivity:	0.3272	GAPI/cps

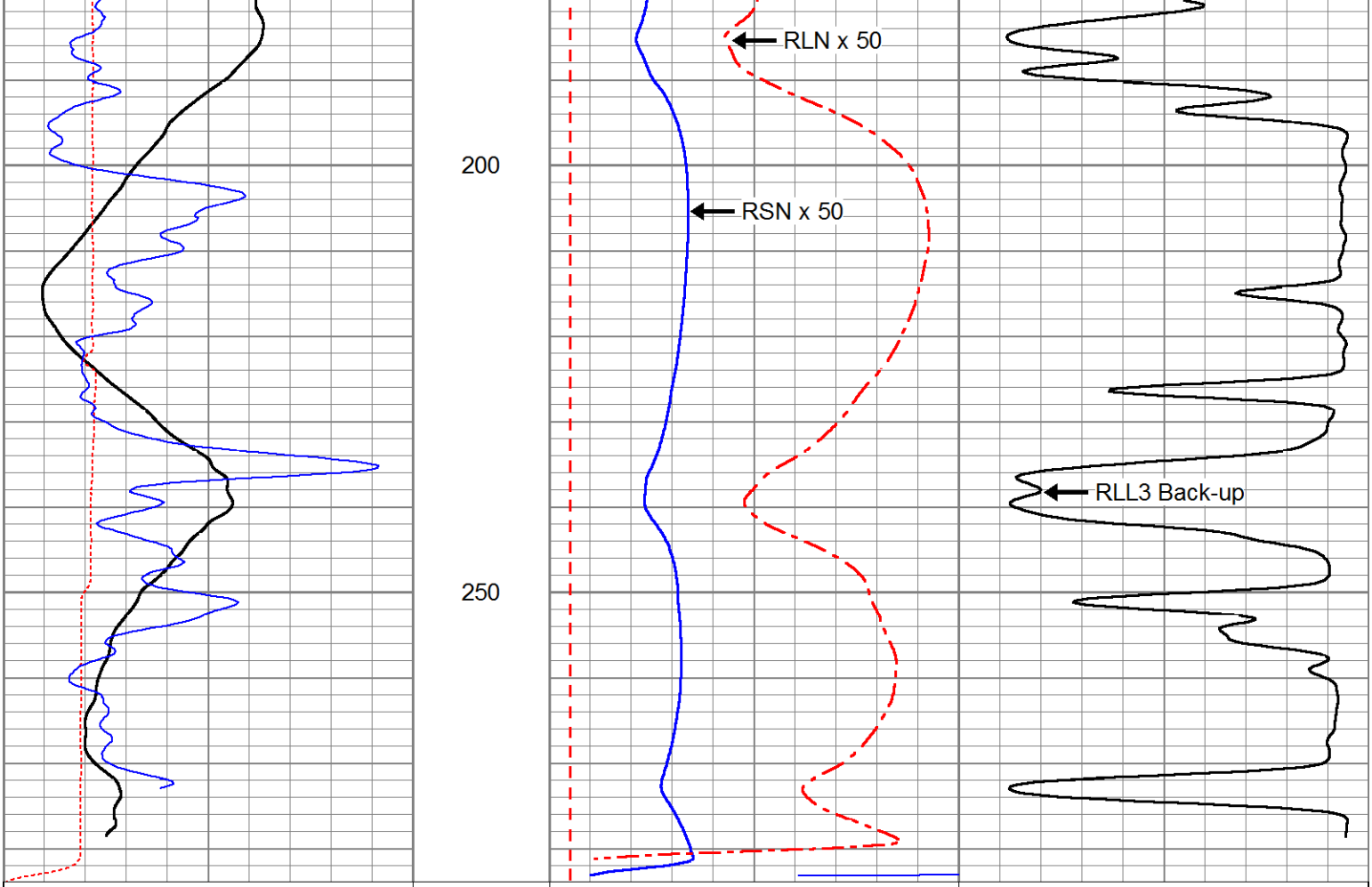
Database File	17073.db
Dataset Pathname	elog
Presentation Format	elog
Dataset Creation	Tue Jan 29 18:26:26 2013
Charted by	Depth in Feet scaled 1:240

-25	SP (mV)	75
0	Line Speed (ft/min)	-100
10	Gamma Ray (GAPI)	110

0	RSN (Ohm-m)	100
0	RLN (Ohm-m)	100
0	RMF (Ohm-m)	100
100	RSN x 10 (Ohm-m)	5000
100	RLN x 10 (Ohm-m)	5000

0	RLL3 (Ohm-m)	100
	RLL3 Back-up	
100	(Ohm-m)	25000





-25	SP (mV)	75
0	Line Speed (ft/min)	-100
10	Gamma Ray (GAPI)	110

0	RSN (Ohm-m)	100
0	RLN (Ohm-m)	100
0	RMF (Ohm-m)	100
100	RSN x 10 (Ohm-m)	5000
100	RLN x 10 (Ohm-m)	5000

0	RLL3 (Ohm-m)	100
100	RLL3 Back-up (Ohm-m)	25000