PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG3
GAMMA-RAY

Job No.
13055

File No.

Company WDC EXPLORATION & WELLS
Well MW-25
Field SANTA FE SPRINGS
County LOS ANGELES State CA

Location:
9101 SORENSEN
Sec. Twp. Rge.

Other Services:
CALIPER
GR/LL3

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

Date	3-1-2007		
Run Number	ONE		
Depth Driller	220'		
Depth Logger	220'		
Bottom Logged Interval	220'		
Top Log Interval	0'		
Casing Driller	14.75"ID @ 20'		
Casing Logger	20'		
Bit Size	14.5"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	8.7 @77F		
Rmf @ Meas. Temp	9.55 @77F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEAS		
Rm @ BHT	N/A		
Time Circulation Stopped	1 HOUR		
Time Logger on Bottom	14:45		
Max. Recorded Temperature	N/A		
Equipment Number	PS-3		
Location	L.A.		
Recorded By	KOHN/RIDDER		
Witnessed By	JABLONSKI		

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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: 13055.db
Dataset Pathname: wdc/well/run1/elog
Dataset Creation: Thu Mar 01 14:54:34 2007 by Log Open-Cased 060407

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Mon Oct 16 13:47:57 2006
Before Survey Verification Performed:	Fri Jan 13 10:44:59 2006
After Survey Verification Performed:	Fri Jan 13 10:45:04 2006

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	8.968	100.640		10.200	102.200	Ohm-m	1.004	1.200
Long	7.047	96.307		10.200	102.200	Ohm-m	1.031	-17.315
IEE	7010.940	7011.000	counts	7.673	7.673	A		
VSN	7971.520	7972.920	counts	152.047	152.074	V		
VLN	2025.980	2026.000	counts	38.643	38.643	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	101.284	101.286		101.238	101.262	Ohm-m	10.606	-972.995
Long	102.574	102.569		102.569	102.569	Ohm-m	68.614	-6935.150
IEE	7177.640	7188.640	counts	7.855	7.867	A		
VSN	8167.660	8180.360	counts	155.788	156.030	V		
VLN	2067.920	2071.000	counts	39.443	39.502	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	101.291	101.291		101.284	101.286	Ohm-m	5.546	-460.437
Long	102.568	102.559		102.569	102.569	Ohm-m	0.563	44.827
IEE	7216.000	7220.860	counts	7.897	7.903	A		
VSN	8211.900	8217.460	counts	156.632	156.738	V		
VLN	2078.860	2080.080	counts	39.652	39.675	V		

After Survey Verification compared to Before Survey Calibration

	Zero			Cal		
	Before	After		Before	After	
Short	101.238	101.284	Ohm-m	101.262	101.286	Ohm-m
Long	102.872	102.574	Ohm-m	102.569	102.569	Ohm-m

Gamma Ray Calibration Report

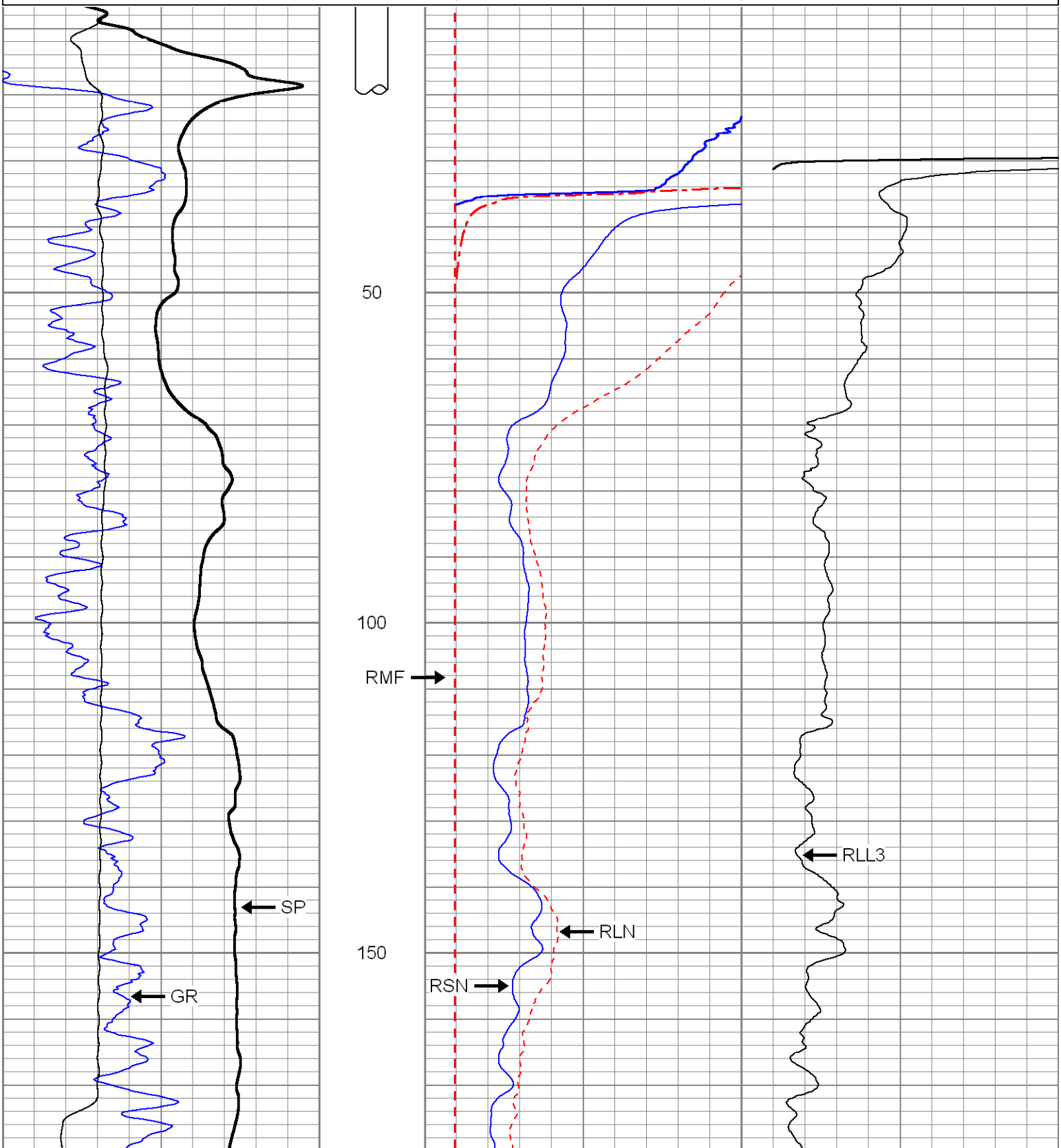
Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Fri Jan 13 10:45:11 2006	
Calibrator Value:	162.0	GAPI
Background Reading:	172.5	cps
Calibrator Reading:	717.9	cps
Sensitivity:	0.2970	GAPI/cps

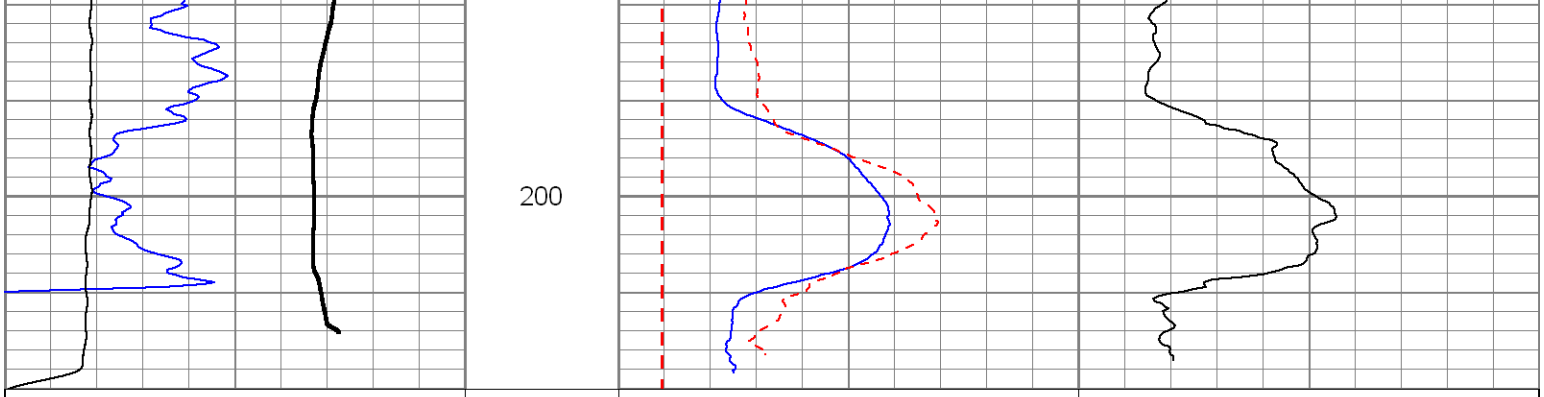
Database File:	13055.db
Dataset Pathname:	wdc/well/run1/elog
Presentation Format:	elog2
Dataset Creation:	Thu Mar 01 14:54:34 2007 by Log Open-Cased 060407
Charted by:	Depth in Feet scaled 1:240

-160	S.P. (mV)	60
40	Gamma-Ray (GAPI)	90
180	GR back-up (GAPI)	280
0	Line Speed (ft/min)	-100

0	RSN (Ohm-m)	100
0	RLN (Ohm-m)	100
0	RMF (Ohm-m)	100
100	RSN back-up (Ohm-m)	1000
100	RLN back-up (Ohm-m)	1000

0	RLL3 (Ohm-m)	100
100	RLL3 back-up (Ohm-m)	1000





-160	S.P. (mV)	60		0	RSN (Ohm-m)	100	0	RLL3 (Ohm-m)	100
40	Gamma-Ray (GAPI)	90		0	RLN (Ohm-m)	100	100	RLL3 back-up (Ohm-m)	1000
180	GR back-up (GAPI)	280		0	RMF (Ohm-m)	100			
0	Line Speed (ft/min)	-100		100	RSN back-up (Ohm-m)	1000			
				100	RLN back-up (Ohm-m)	1000			