PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA-RAY

Job No.
17098

File No.

Company	US GEOLOGICAL SURVEY
Well	TMTC
Field	TEMECULA
County	RIVERSIDE
State	CA

Location:

33662 CHANNEL ST.
GPS: N 33o 28.957' W 117o 04.560'

Sec. Twp. Rge.

Other Services:

GR/LL3
SONIC/VDL
CALIPER

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

Date	03-12-2013		
Run Number	ONE		
Depth Driller	1720'		
Depth Logger	1717'		
Bottom Logged Interval	1717'		
Top Log Interval	0'		
Casing Driller	8" @ 18'		
Casing Logger	18'		
Bit Size	7 7/8"		
Type Fluid in Hole	BENTONITE		
Density / Viscosity	N/A		
pH / Fluid Loss	N/A		
Source of Sample	PIT		
Rm @ Meas. Temp	4.74 @ 70F		
Rmf @ Meas. Temp	4.87 @ 70F		
Rmc @ Meas. Temp	N/A		
Source of Rmf / Rmc	MEASURE		
Rm @ BHT	N/A		
Time Circulation Stopped	1600		
Time Logger on Bottom	1915		
Max. Recorded Temperature	N/A		
Equipment Number	PS-3		
Location	LA		
Recorded By	SCHUMACHER		
Witnessed By	A. BROWN		

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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 17098.db
Dataset Pathname elog1
Dataset Creation Tue Mar 12 22:10:45 2013

ELOG Calibration Report

Serial:	D4
Model:	DTQ
Shop Calibration Performed:	Wed Jan 02 11:29:40 2013
Before Survey Verification Performed:	Sun Sep 09 13:17:43 2007
After Survey Verification Performed:	Sun Sep 09 13:17:48 2007

Shop Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	8.445	99.487		10.200	102.200	Ohm-m	1.011	1.666
Long	4.678	93.358		10.200	102.200	Ohm-m	1.037	-17.100
IEE	67.980	5570.920	counts	0.074	6.097	A		
VSN	144.480	6263.080	counts	2.756	119.461	V		
VLN	25.060	1580.700	counts	0.478	30.150	V		

Before Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	40.249	101.201		40.505	101.206	Ohm-m	0.996	0.422
Long	142.638	102.842		102.858	102.858	Ohm-m	1.024	-2.408
IEE	212.960	7070.960	counts	0.233	7.738	A		
VSN	96.300	8039.720	counts	1.837	153.348	V		
VLN	85.320	2042.520	counts	1.627	38.959	V		

After Survey Verification

	Readings			References			Results	
	Zero	Cal		Zero	Cal		Gain	Offset
Short	40.270	101.200		40.249	101.201	Ohm-m	1.000	-0.035
Long	142.491	102.843		102.842	102.842	Ohm-m	1.004	-0.383
IEE	213.380	7077.580	counts	0.234	7.746	A		
VSN	96.540	8047.160	counts	1.841	153.490	V		
VLN	85.400	2044.440	counts	1.629	38.995	V		

After Survey Verification compared to Before Survey Calibration

	Zero			Cal		
	Before	After		Before	After	
Short	40.505	40.249	Ohm-m	101.206	101.201	Ohm-m
Long	143.592	142.638	Ohm-m	102.858	102.842	Ohm-m

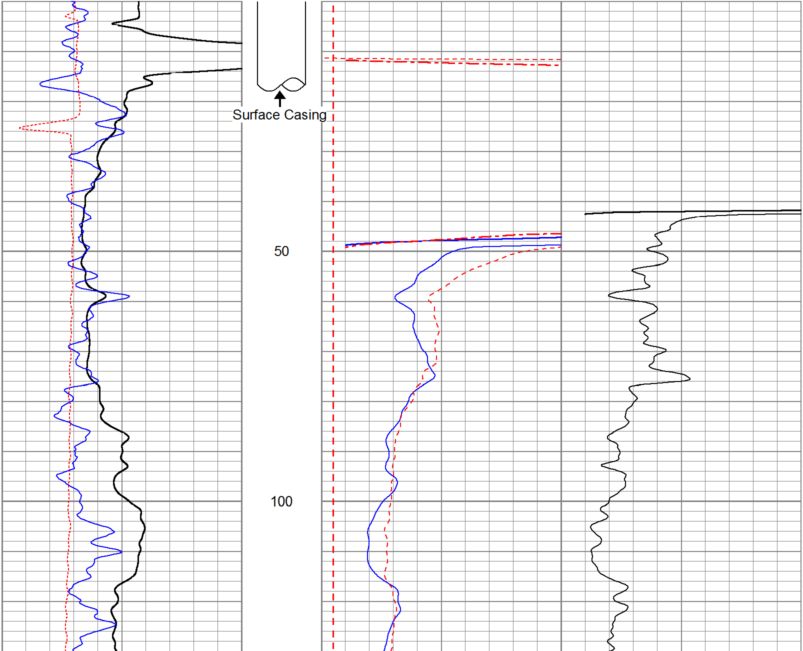
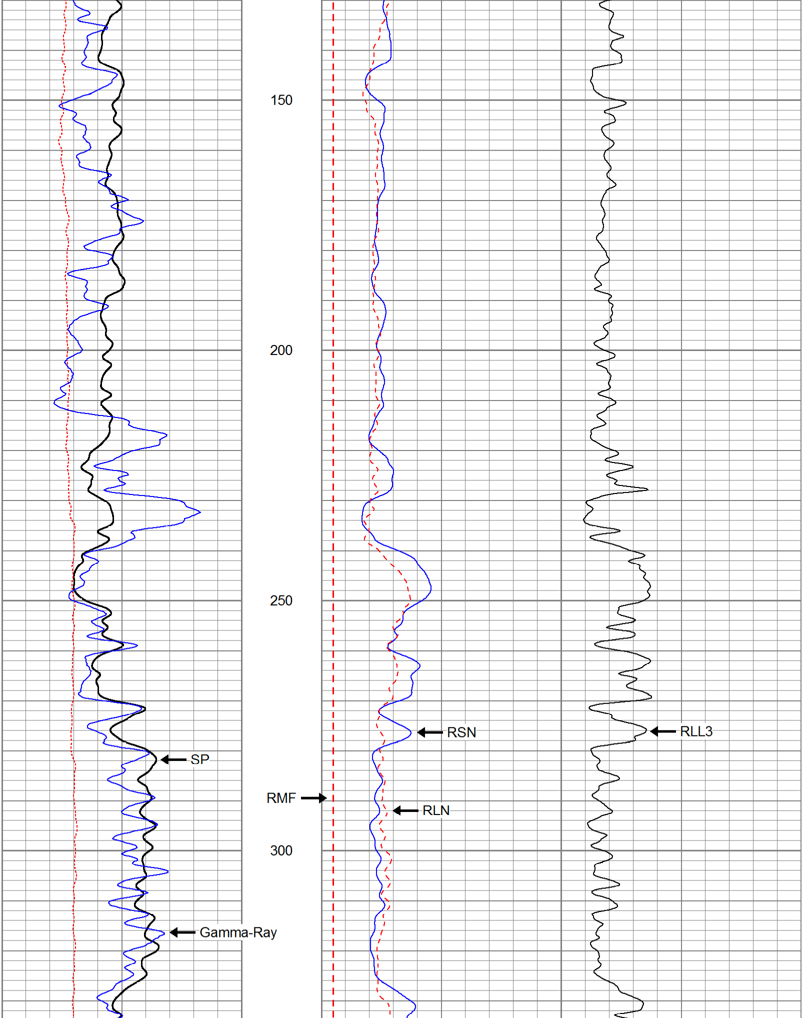
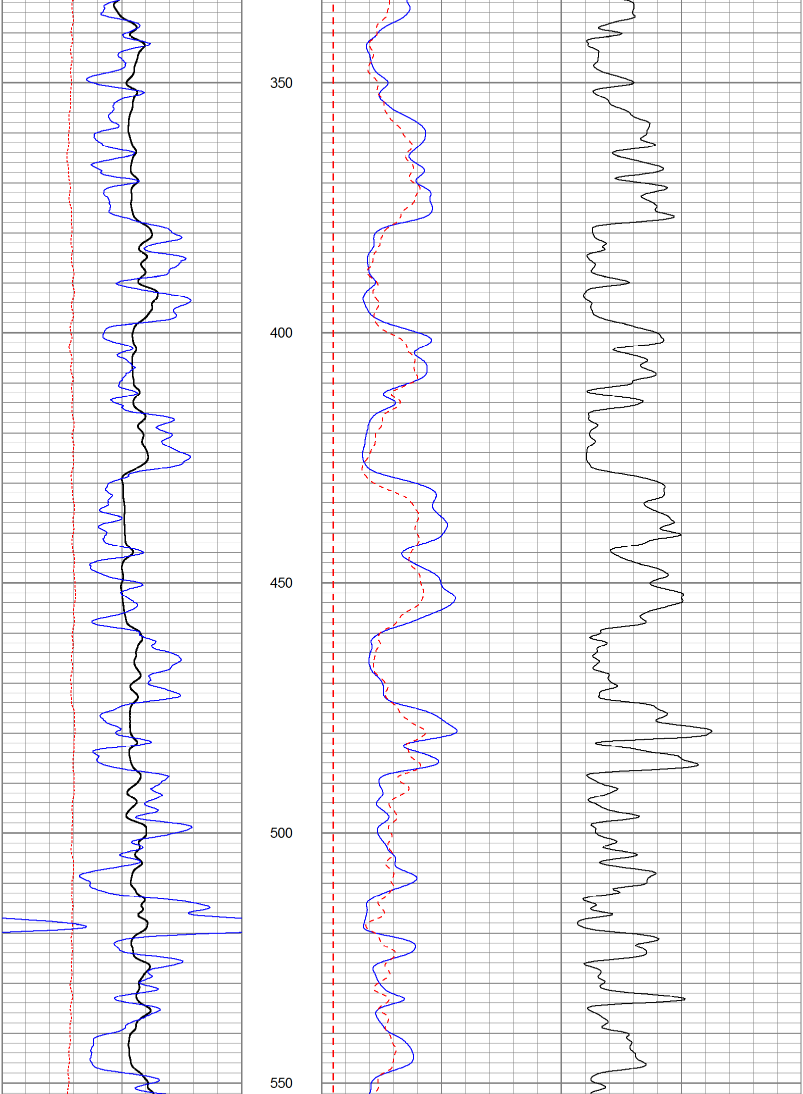
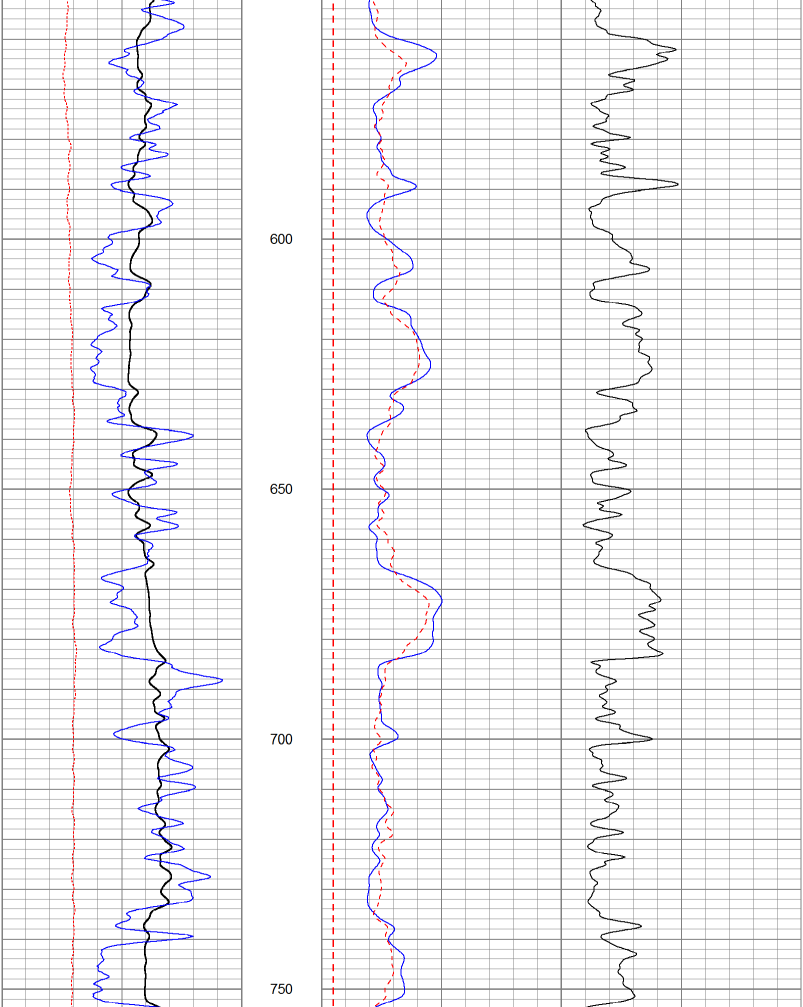
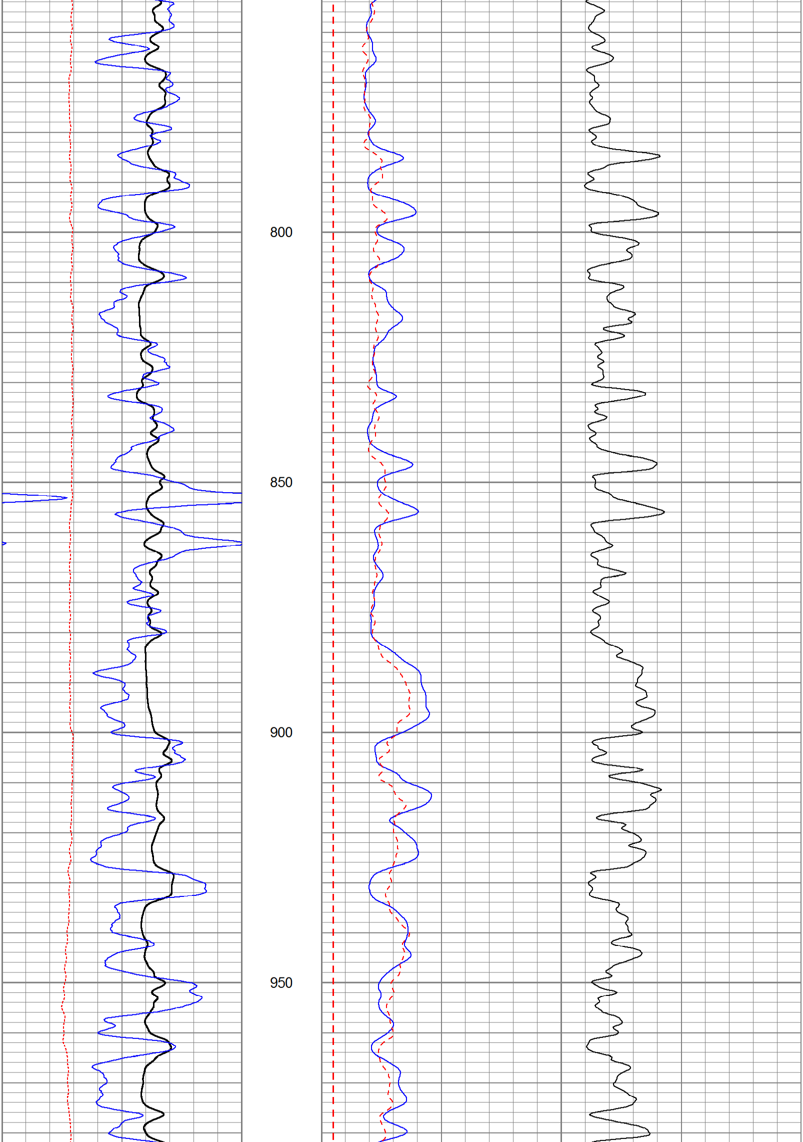
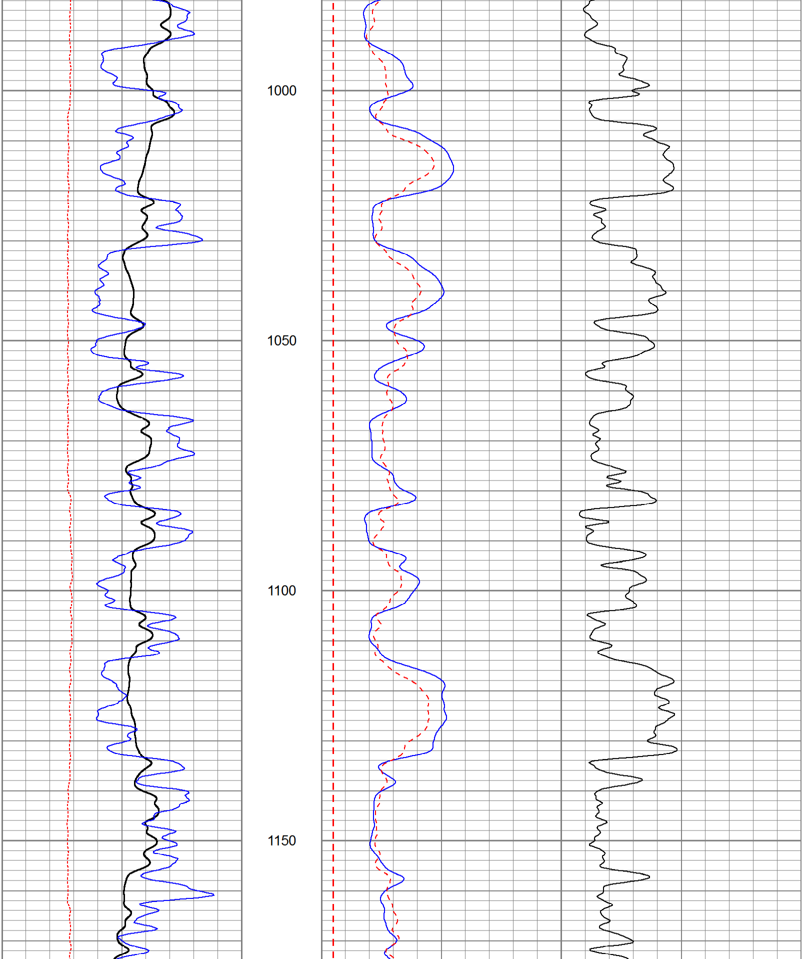
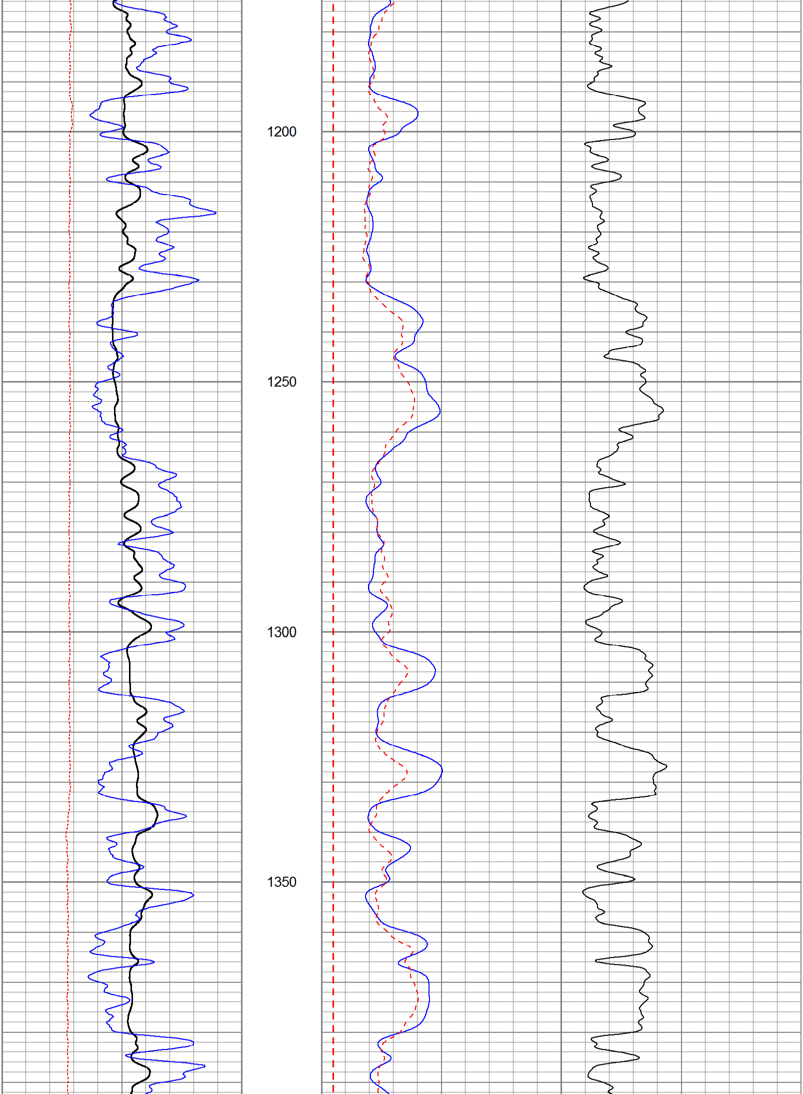
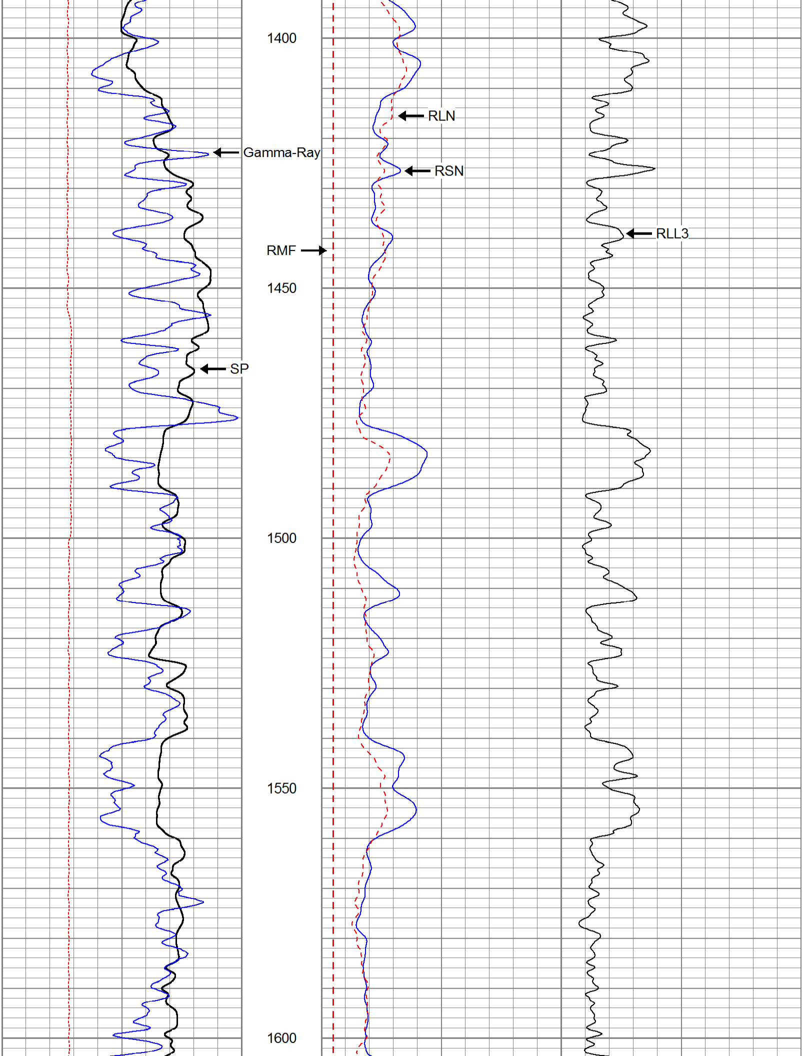
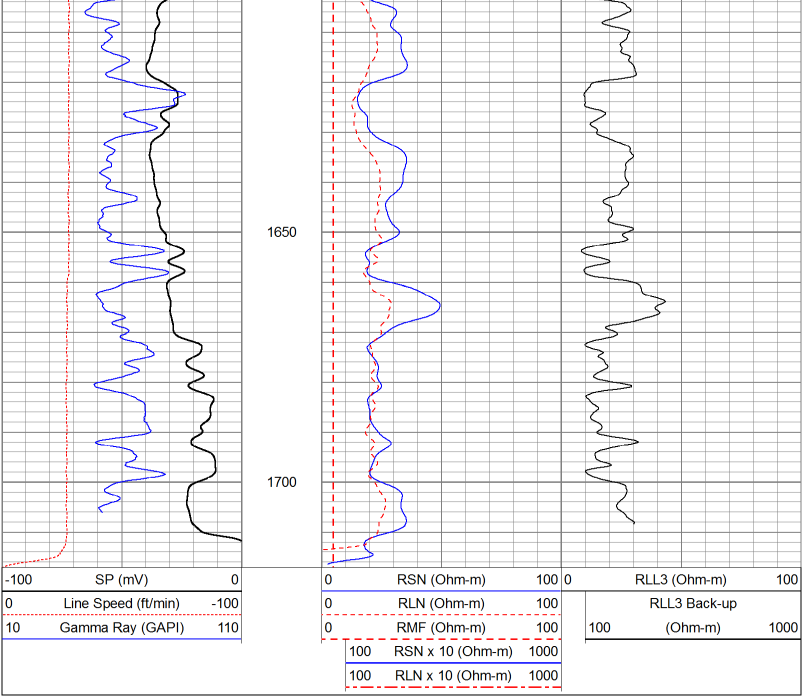
Gamma Ray Calibration Report

Serial Number:	D4	
Tool Model:	ELOG	
Performed:	Wed Jan 02 15:32:49 2013	
Calibrator Value:	162.0	GAPI
Background Reading:	198.6	cps
Calibrator Reading:	742.0	cps
Sensitivity:	0.2981	GAPI/cps

Database File	17098.db
Dataset Pathname	elog1
Presentation Format	elog
Dataset Creation	Tue Mar 12 22:10:45 2013
Charted by	Depth in Feet scaled 1:240

-100 SP (mV) 0
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) 1000
100 RLN x 10 (Ohm-m) 1000

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