PACIFIC SURVEYS

DUAL INDUCTION GAMMA-RAY

Job No. 16565	Company CH2M-HILL
	Well MW-32
	Field NORWALK
File No.	County LOS ANGELES State CA

Location	Other Services:
CORNER OF PLUTON @ BRINK GPS:	NONE

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	05-08-2012		
Run Number	ONE		
Depth Driller	183'		
Depth Logger	183'		
Bottom Logged Interval	183'		
Top Log Interval	0'		
Open Hole Size	SEE BELOW		
Type Fluid	WATER		
Density / Viscosity	N/A		
Fluid Level	86'		
Bentonite Seal	70'-75.5'	102' - 158'	
Time Well Ready	16:00		
Time Logger on Bottom	16:10		
Equipment Number	PS-1		
Location	L.A.		
Recorded By	RIDDER		
Witnessed By	M. MAYRY		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE		0'		1"	PVC	0'	

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	3" SCHD80	PVC	0'	183'
Liner				

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All interpretations are opinions based on inferences from electrical or other measurements and Pacific Surveys 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 Pacific Surveys' general terms and conditions set out in our current Price Schedule.

Comments

Calibration Report

Database File: 16565.db
Dataset Pathname: DIL.2
Dataset Creation: Tue May 08 16:32:07 2012 by Calc SOC 111108

Dual Induction Calibration Report

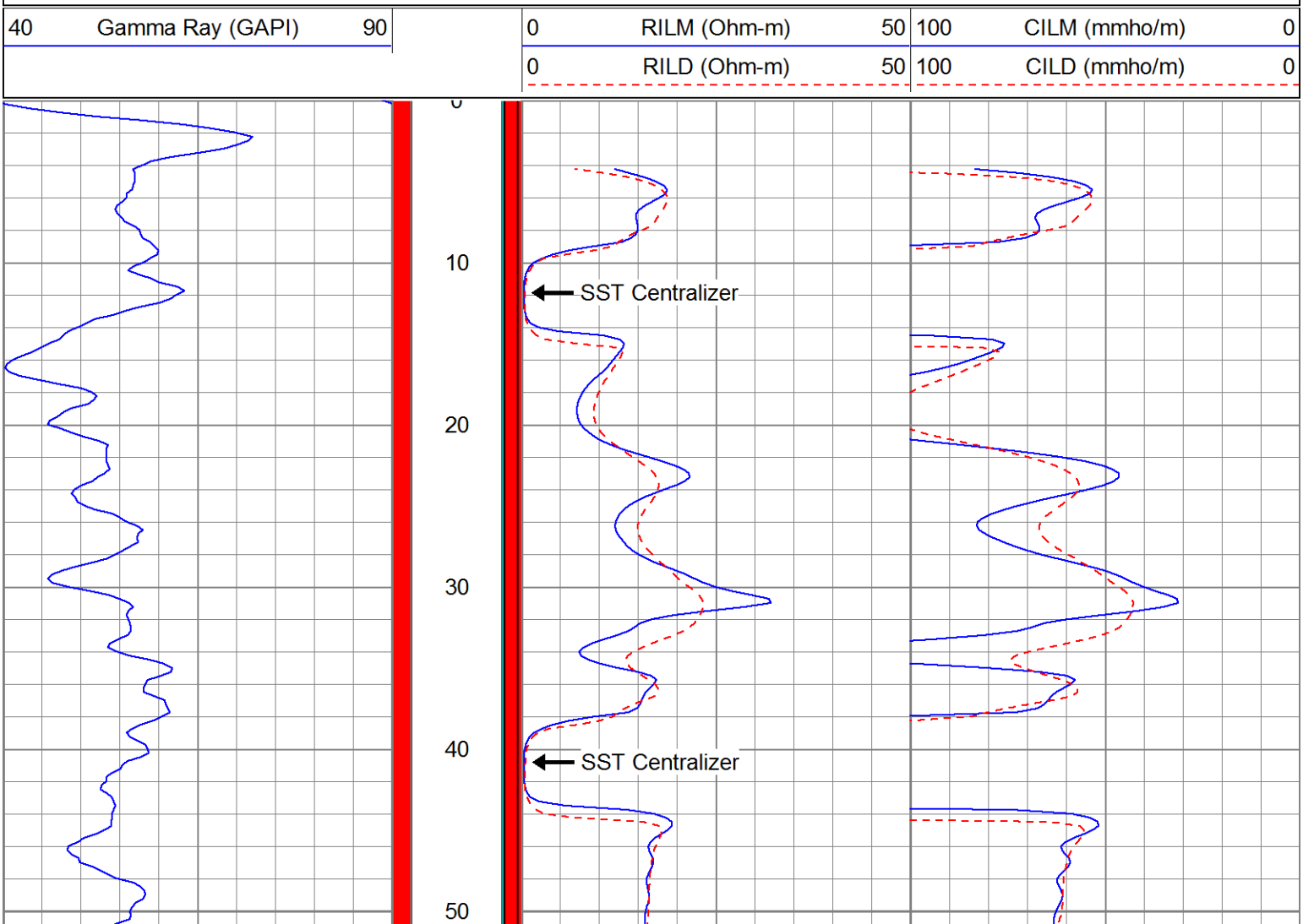
Serial-Model: 0001-ALT
Surface Cal Performed:

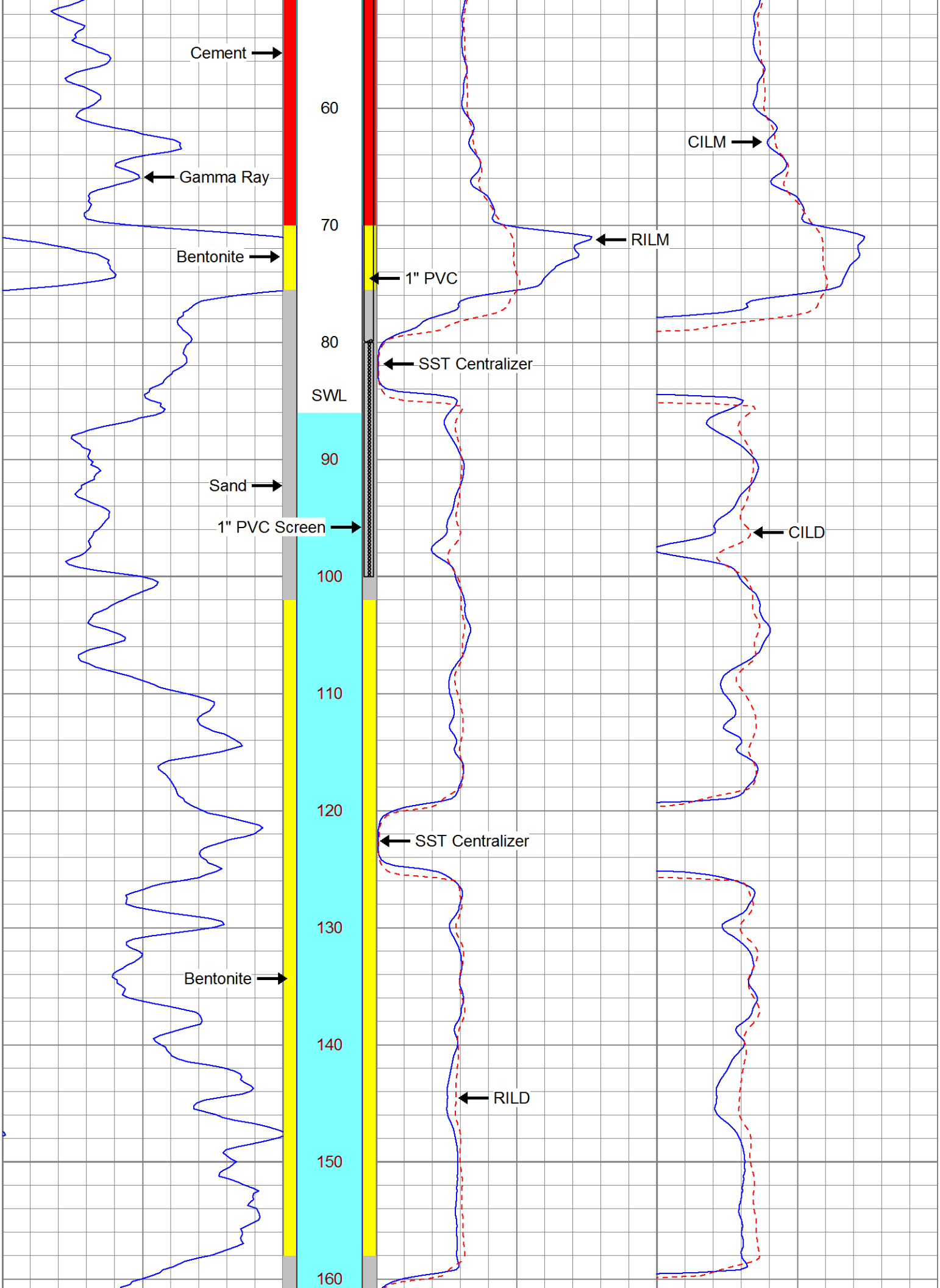
Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	1440.330	3755.270	cps	0.000	612.000	mmho/m	0.264	-380.779
Medium	1967.190	14170.100	cps	0.000	1960.000	mmho/m	0.161	-315.965

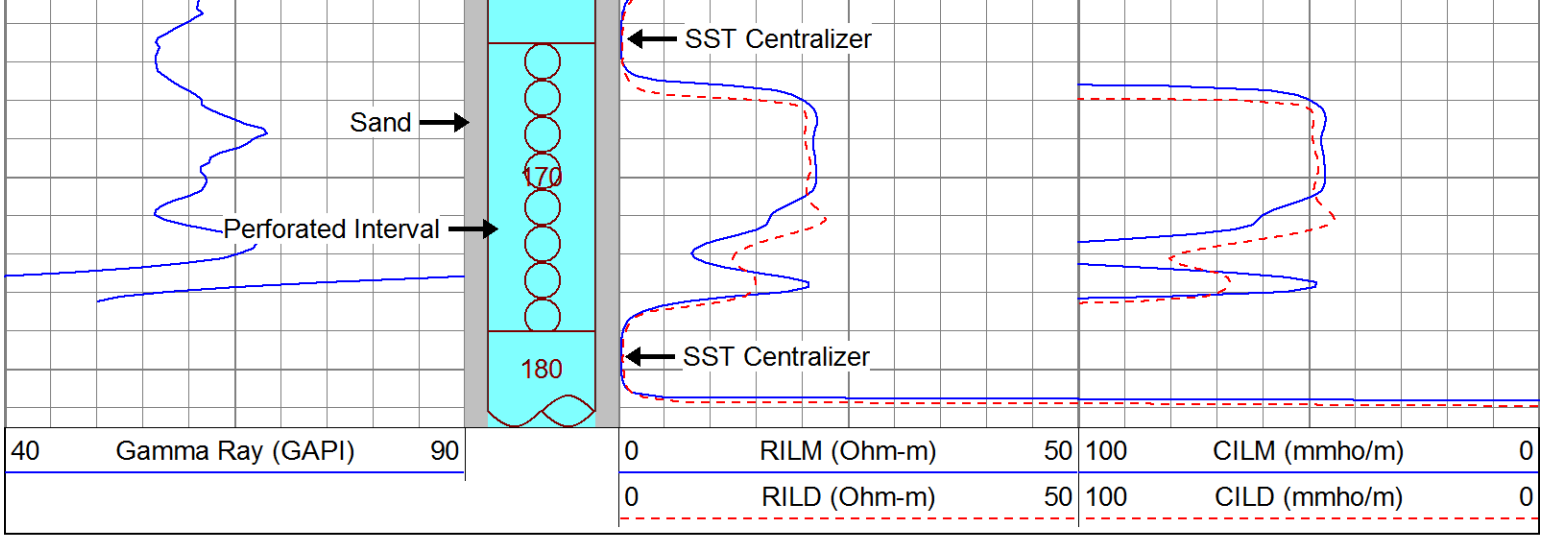
Gamma Ray Calibration Report

Serial Number:	PS_1	
Tool Model:	01	
Performed:	Tue May 08 13:48:06 2012	
Calibrator Value:	162.0	GAPI
Background Reading:	46.1	cps
Calibrator Reading:	180.8	cps
Sensitivity:	1.2020	GAPI/cps

Database File: 16565.db
Dataset Pathname: DIL.2
Presentation Format: dil
Dataset Creation: Tue May 08 16:32:07 2012 by Calc SOC 111108
Charted by: Depth in Feet scaled 1:120




Cement
60
Gamma Ray
70
Bentonite
1" PVC
80
SST Centralizer
SWL
90
Sand
1" PVC Screen
100
110
120
SST Centralizer
130
Bentonite
140
RILD
150
160
RILM
CILM
CILD


SST Centralizer
Sand
170
Perforated Interval
180
SST Centralizer
40 Gamma Ray (GAPI) 90
0 RILM (Ohm-m) 50
0 RILD (Ohm-m) 50
100 CILM (mmho/m) 0
100 CILD (mmho/m) 0