MV Geophysical

DUAL INDUCTION
LL3 / SP
LOG

Company Johnson Engineering, Inc.
Well JE1503
Field Babcock Ranch
County Charlotte
State/Prv Florida

Company **Johnson Engineering, Inc.**
Well **JE1503**
Field **Babcock Ranch**
County **Charlotte** State/Prv . **Florida**

Location
CCU/Babcock Ranch Test Well Project
Sec. 11 T41S R26E
LAT: 26 55' 29.6" N LONG: 81 41' 28.7" W

Other Services
XY/GR,DIL
FCT,FLOW
F.Samples

Permanent Datum	G.L.	Elevation	
Log Measured From	G.L.		
Drilling Measured From	G.L.		

Elevation
K.B.
D.F.
G.L.

Date	6-JUN-2011		
Run Number	TWO		
Depth Driller	1200'		
Depth Logger	1194'		
Bottom Logged Interval	1193'		
Top Log Interval	472'		
Open Hole Size	6"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	09:30 6/6/2011		
Time Logger on Bottom	14:00 6/6/2011		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller/C.Miller		
Witnessed By	L.Howard (JE)		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	9.625"	61'	470'				
TWO	6"	471'	1200'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	10"	10" ID	SURFACE	61'
Prot. String	6" PVC	6" ID	SURFACE	471'
Production String				
Liner				
Invoice No.	2011090	3x/10x/pdf/las	je1503.db	* FINAL PRINT *

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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

Rw=4.292 ohm-m @ 83.1 degF

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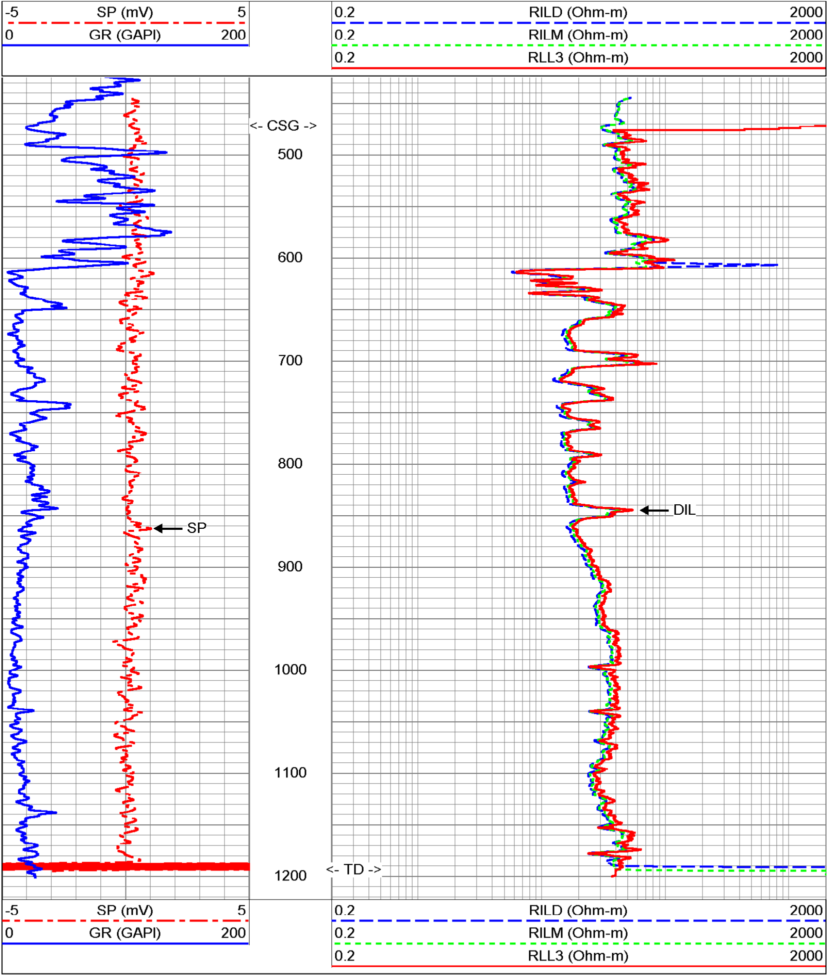
MAIN PASS

Database File: je1503.db
Dataset Pathname: run2/MAIN
Presentation Format: DIL1200
Dataset Creation: Mon Jun 06 15:25:33 2011
Charted by: Depth in Feet scaled 1:1200



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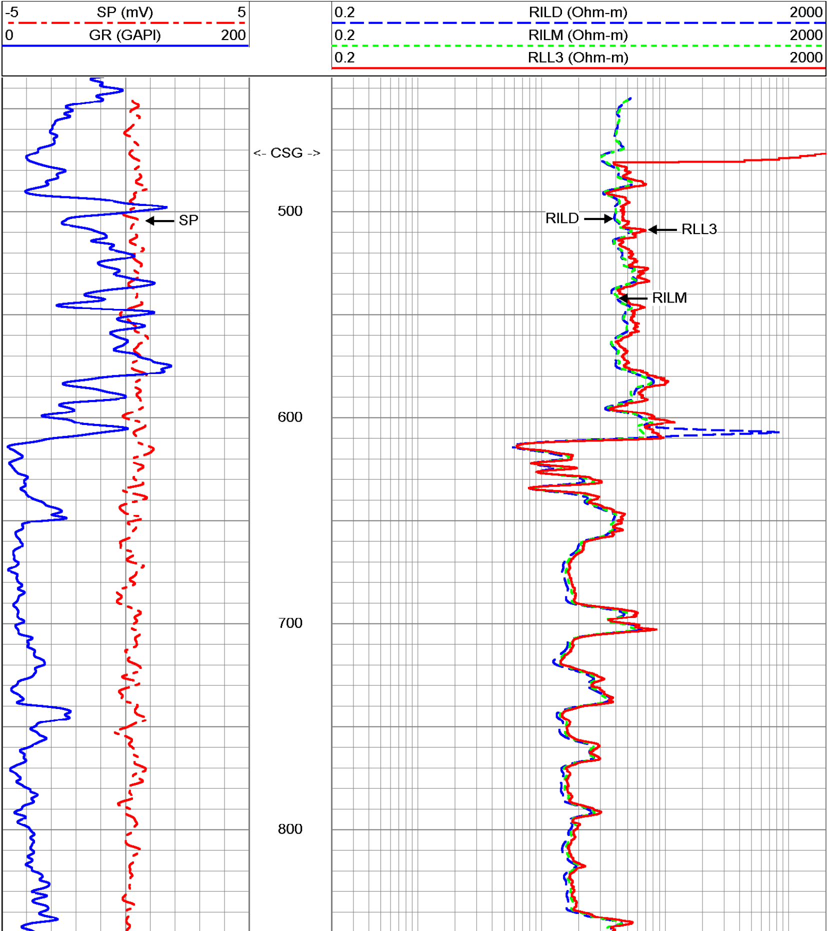
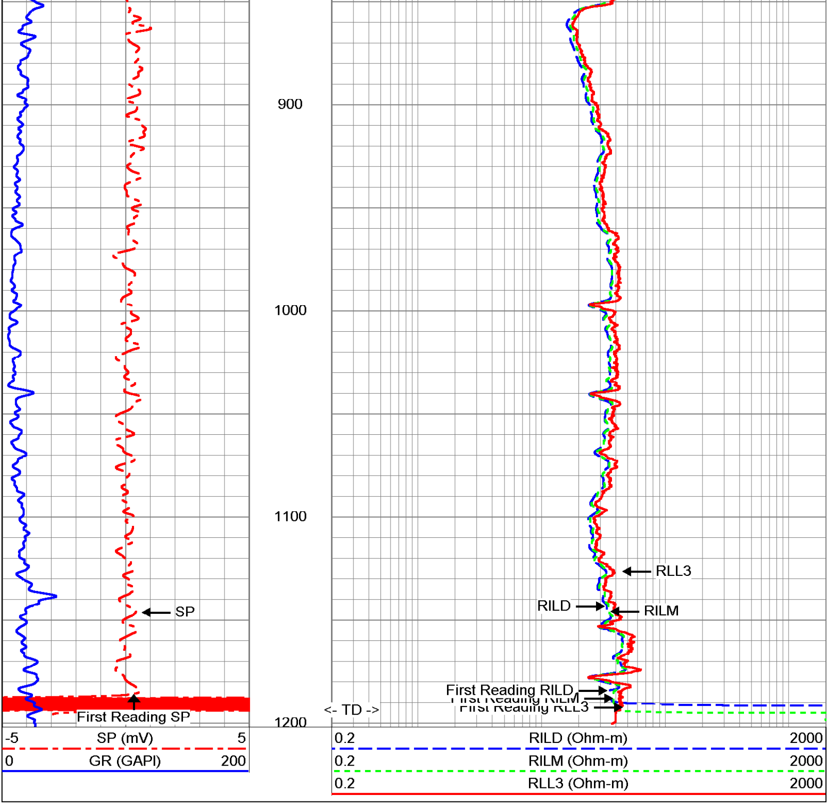
MAIN PASS

Database File:	je1503.db
Dataset Pathname:	run2/MAIN
Presentation Format:	DIL200
Dataset Creation:	Mon Jun 06 15:25:33 2011
Charted by:	Depth in Feet scaled 1:600





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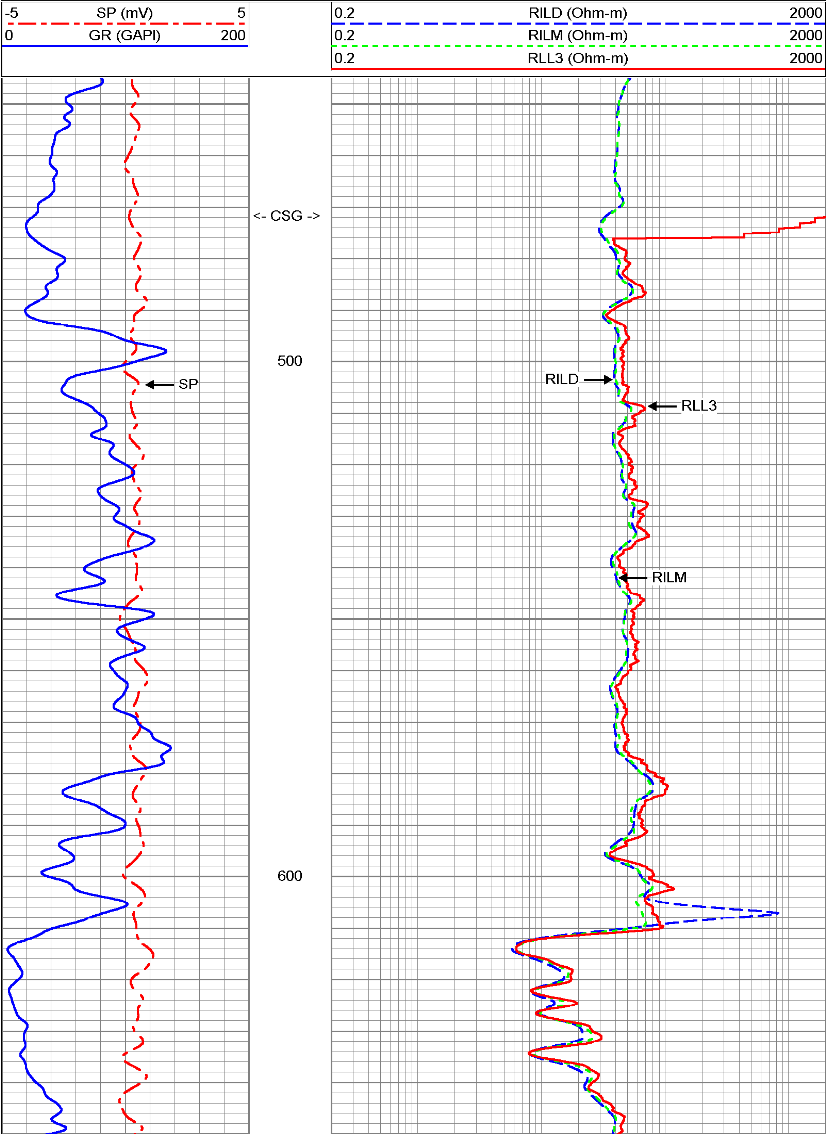
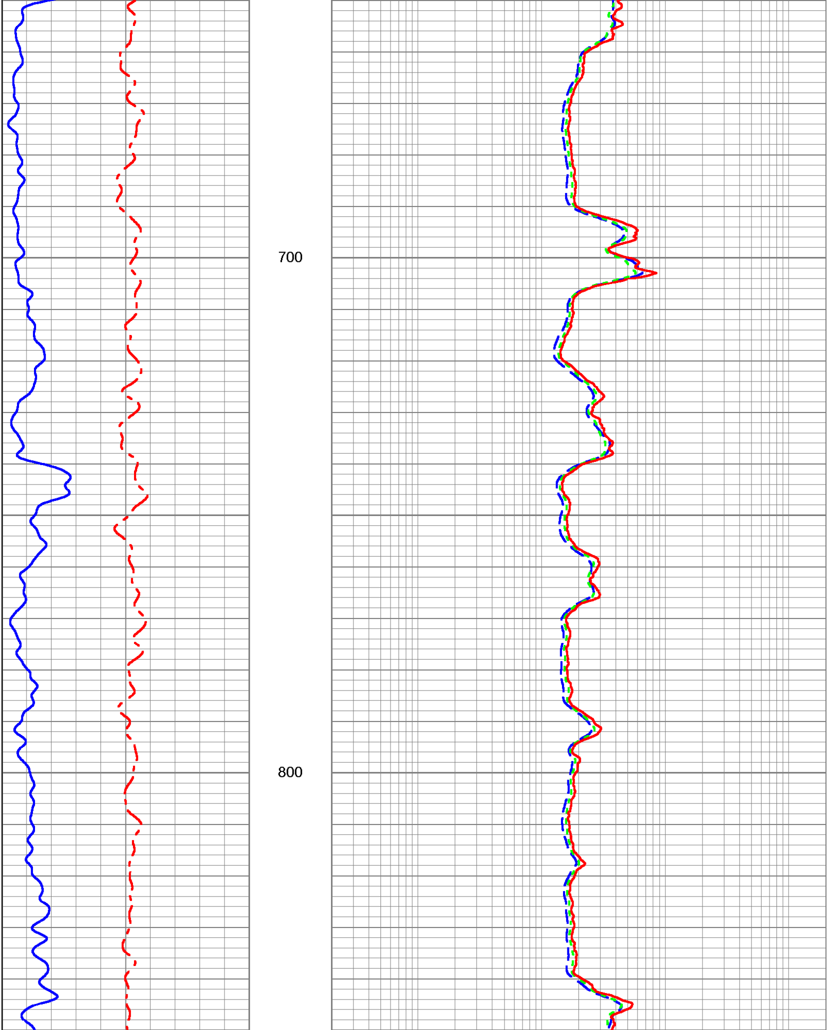
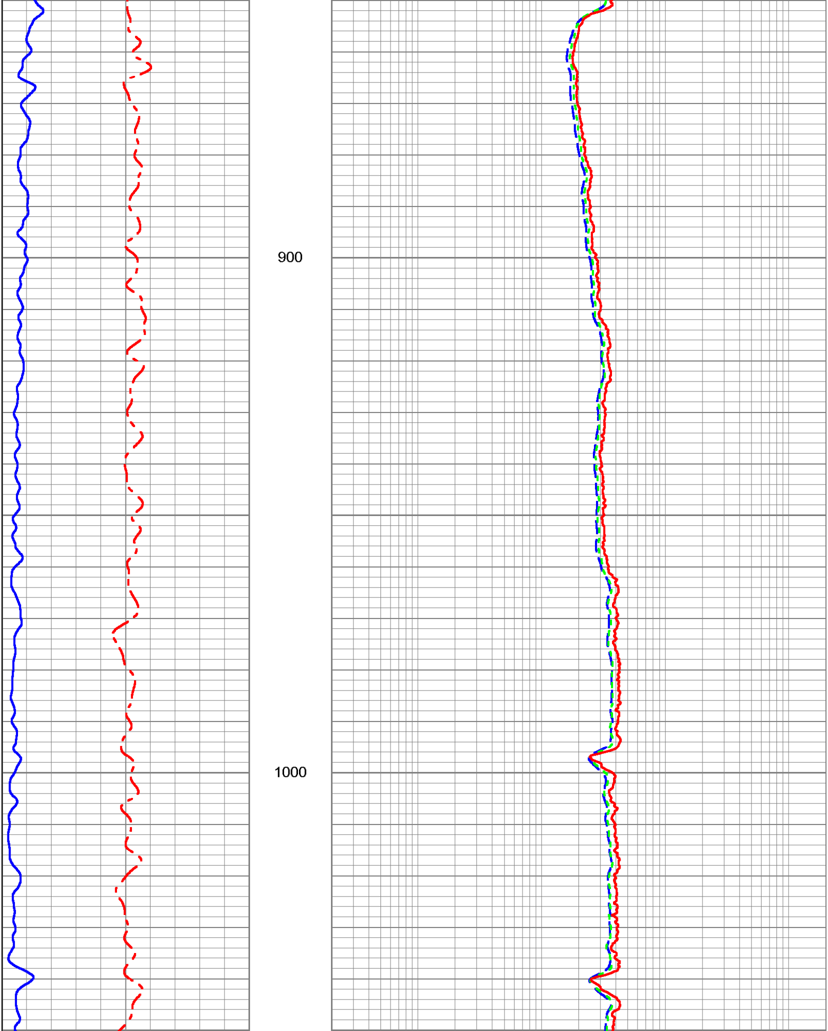
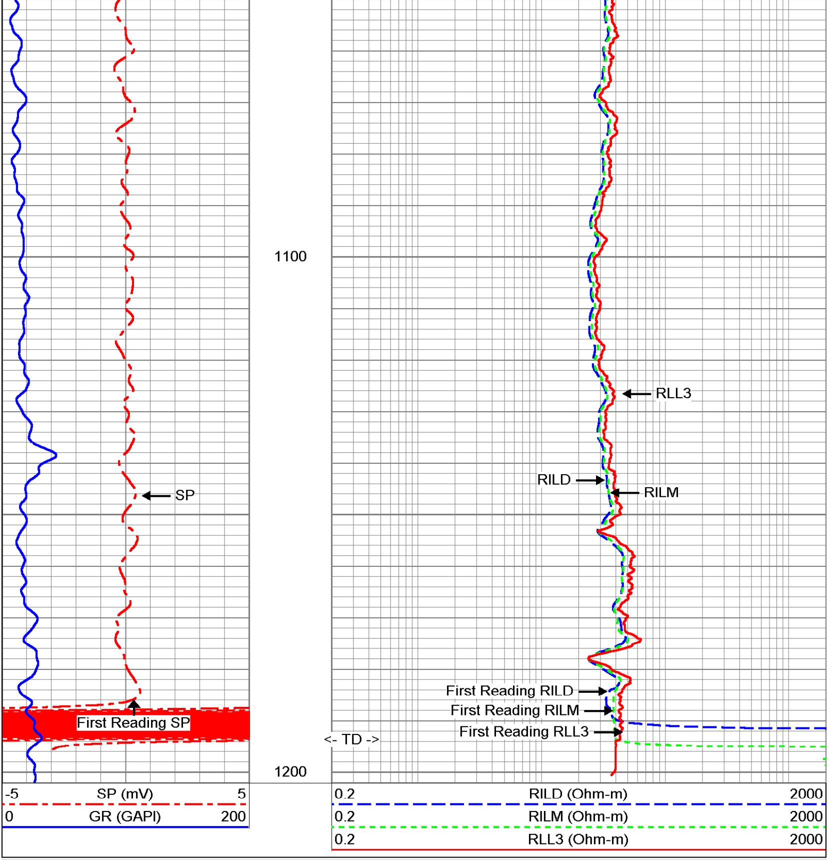
MAIN PASS

Database File: je1503.db
Dataset Pathname: run2/MAIN
Presentation Format: DIL200
Dataset Creation: Mon Jun 06 15:25:33 2011
Charted by: Depth in Feet scaled 1:240









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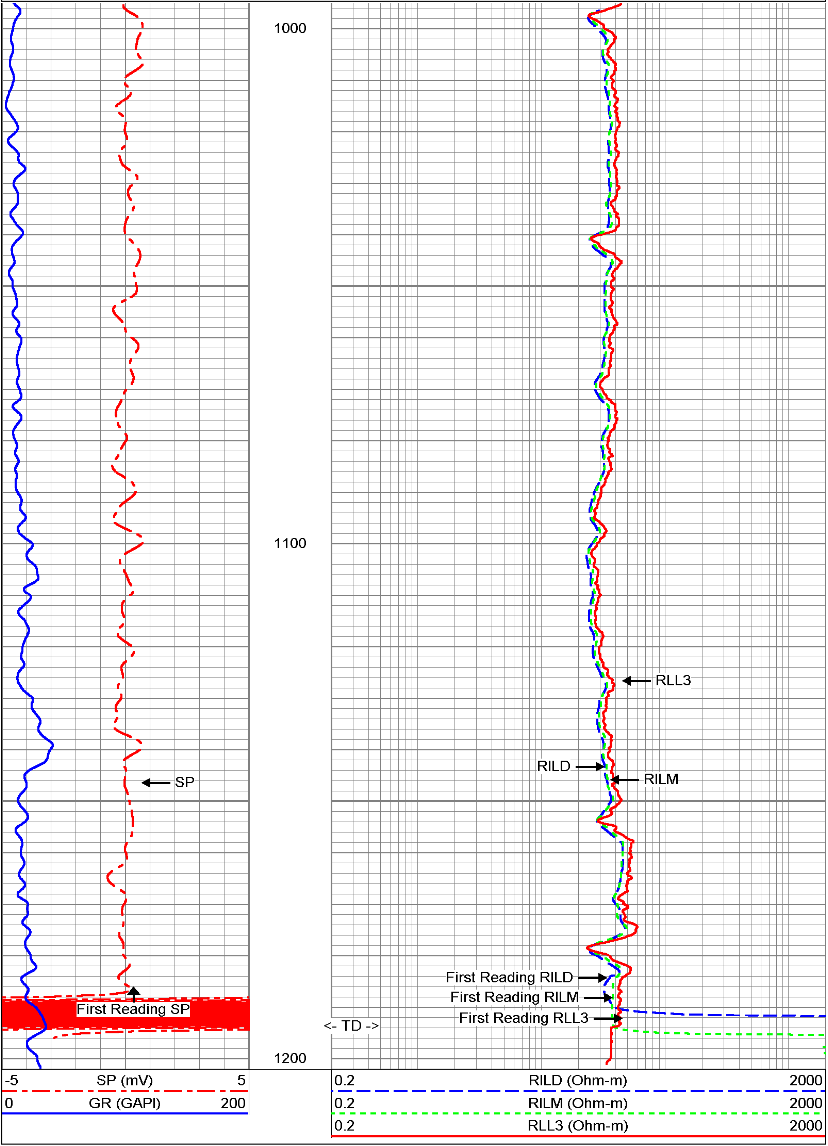
REPEAT SECTION

Database File:	je1503.db
Dataset Pathname:	run2/REPEAT
Presentation Format:	DIL200
Dataset Creation:	Mon Jun 06 15:33:17 2011
Charted by:	Depth in Feet scaled 1:240

-5 SP (mV) 5
0 GR (GAPI) 200

0.2 RILD (Ohm-m) 2000
0.2 RILM (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000



Dual Induction Calibration Report

Serial-Model: 5390-R
Surface Cal Performed: Wed Apr 21 11:17:23 2010
Downhole Cal Performed: Wed Apr 21 11:04:55 2010
After Survey Verification Performed: Wed Apr 21 11:04:55 2010

Surface Calibration

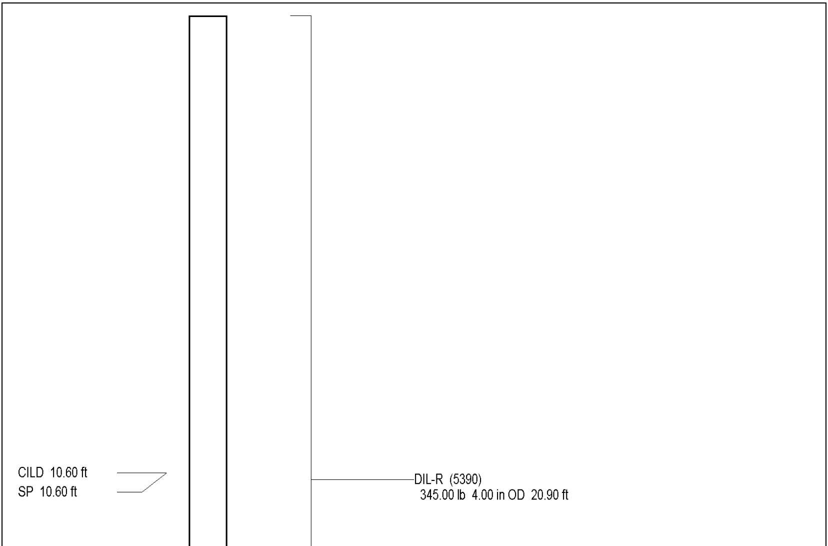
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.645	V	0.000	400.000	mmho-m	672.269	-33.613
Medium	0.018	0.735	V	0.000	464.000	mmho-m	647.120	-11.545
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.921	-6.984
Medium	0.005	0.739	V	0.000	464.000	mmho-m	632.408	-3.370

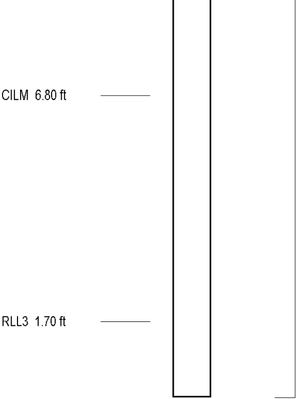
Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-43.158	78.288	mmho-m	-42.562	77.982	mmho-m	0.993	0.275
Medium	-9.475	466.701	mmho-m	-8.097	466.698	mmho-m	0.997	1.351
Shallow	2.516	0.025	V	494.500	2.000	Ohm-m	197.709	-2.980

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho-m	-43.158	78.288	mmho-m	0.993	0.275
Medium	0.000	0.000	mmho-m	-9.475	466.701	mmho-m	0.997	1.351
Shallow	0.000	0.000	Ohm-m	494.500	2.000	Ohm-m	1.000	0.000





Dataset:	run2/pass10
Total Length:	20.90 ft
Total Weight:	345.00 lb
O.D.	4.00 in