DUAL INDUCTION
LL3 / SP
LOG

MV Geophysical

Company	Diversified Drilling Corporation
Well	SWROW TP-112
Field	Cape Coral
County	Lee
State/Prv	Florida

Location
2021 SW 36th Terrace
Cape Coral Water Utilities Department
MWH

Other Services
XY/GR
BHC/VDL

Permanent Datum	G.L.	Elevation	K.B.
Log Measured From	G.L.		D.F.
Drilling Measured From	G.L.		G.L.

Company Diversified Drilling Corp.
Well SWROW TP-112
Field Cape Coral
County Lee
State/Prv Florida

Date	21-NOV-2005		
Run Number	THREE		
Depth Driller	720'		
Depth Logger	724'		
Bottom Logged Interval	722'		
Top Log Interval	455'		
Open Hole Size	11"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	na		
Estimated Cement Top	NA		
Time Well Ready	08:00 11/21/2005		
Time Logger on Bottom	10:30 11/21/2005		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Randazzo (MWH)	Steveo (DDC)	

Borehole Record				Tubing Record		
Run Number	Bit	From	To	Size	Weight	From	To
ONE	7.875"	50'	500'				
TWO	18.75"	50'	460'				
THREE	11"	455'	720'				
			714' logger				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	20"	.375" WT	SURFACE	50'
Prot. String	12" FRP	12" ID	SURFACE	455'
Production String				
Liner				

Invoice No. 2005226	P.O. #:	Job No.:	* 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.

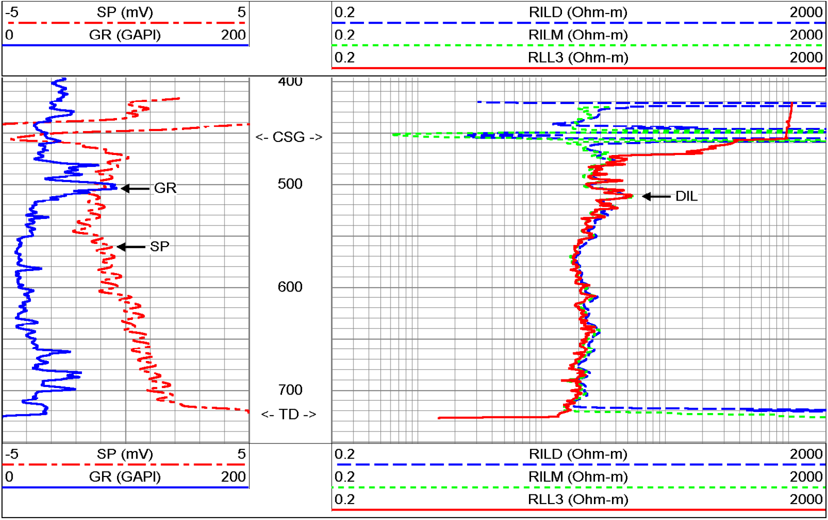
Comments

Rw=3.351ohm-m @ 80.2 degF

MV Geophysical

MAIN PASS

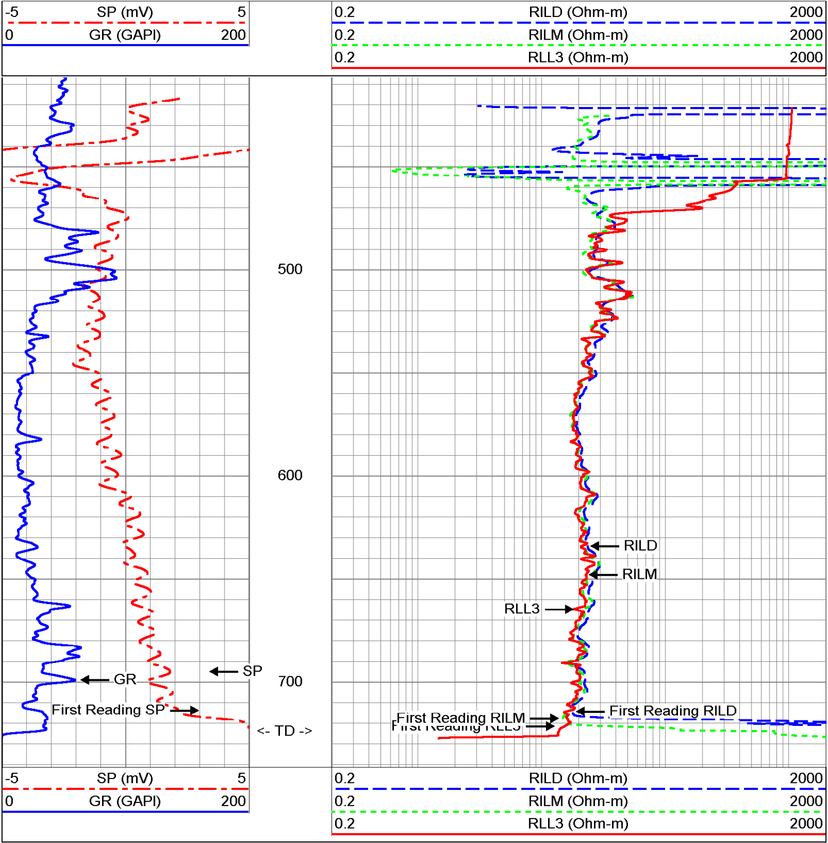
Database File: ccro112.db
Dataset Pathname: run3/MAIN
Presentation Format: DIL1200
Dataset Creation: Mon Nov 21 09:28:29 2005
Charted by: Depth in Feet scaled 1:1200



MV Geophysical

MAIN PASS

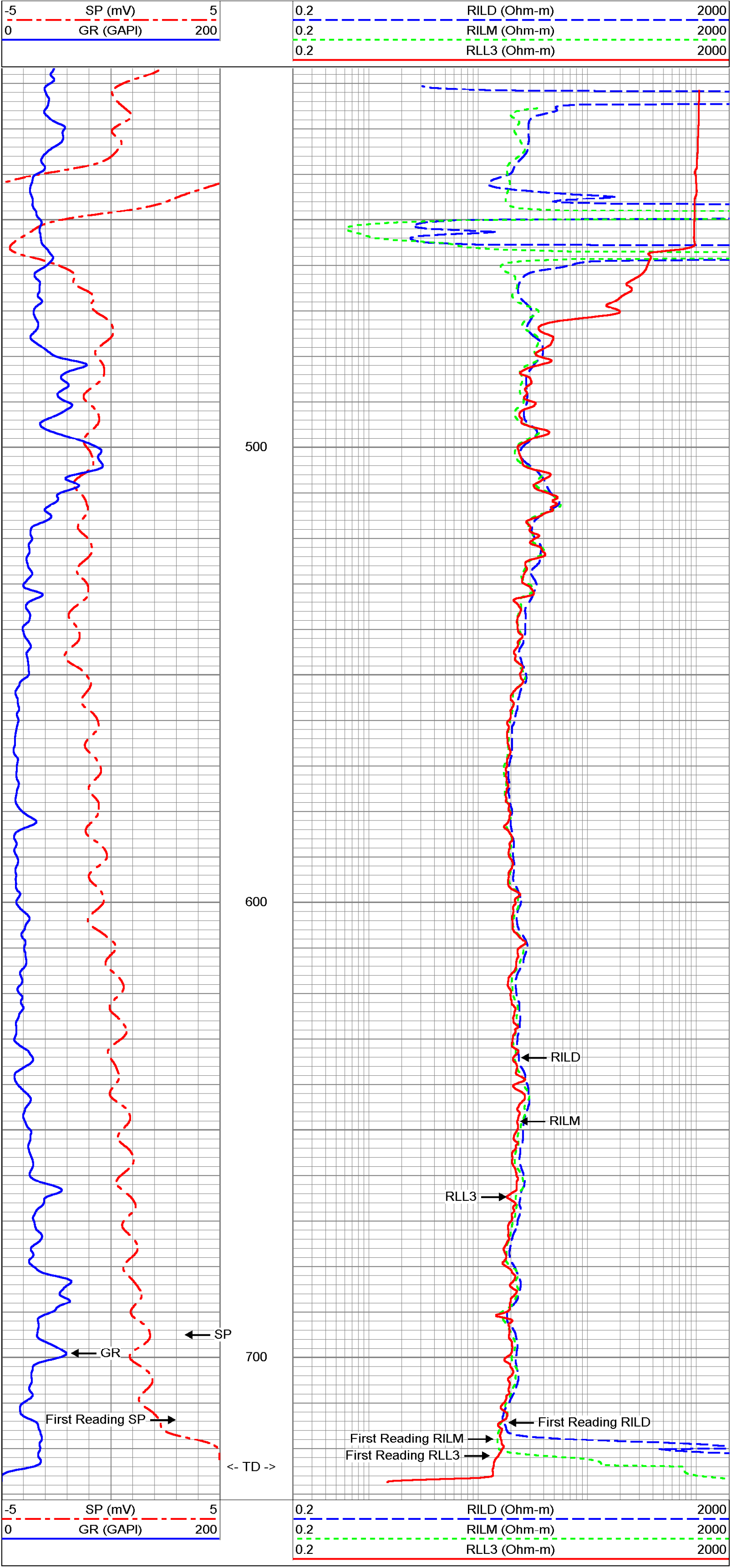
Database File: ccro112.db
Dataset Pathname: run3/MAIN
Presentation Format: DIL200
Dataset Creation: Mon Nov 21 09:28:29 2005
Charted by: Depth in Feet scaled 1:600



MV Geophysical

MAIN PASS

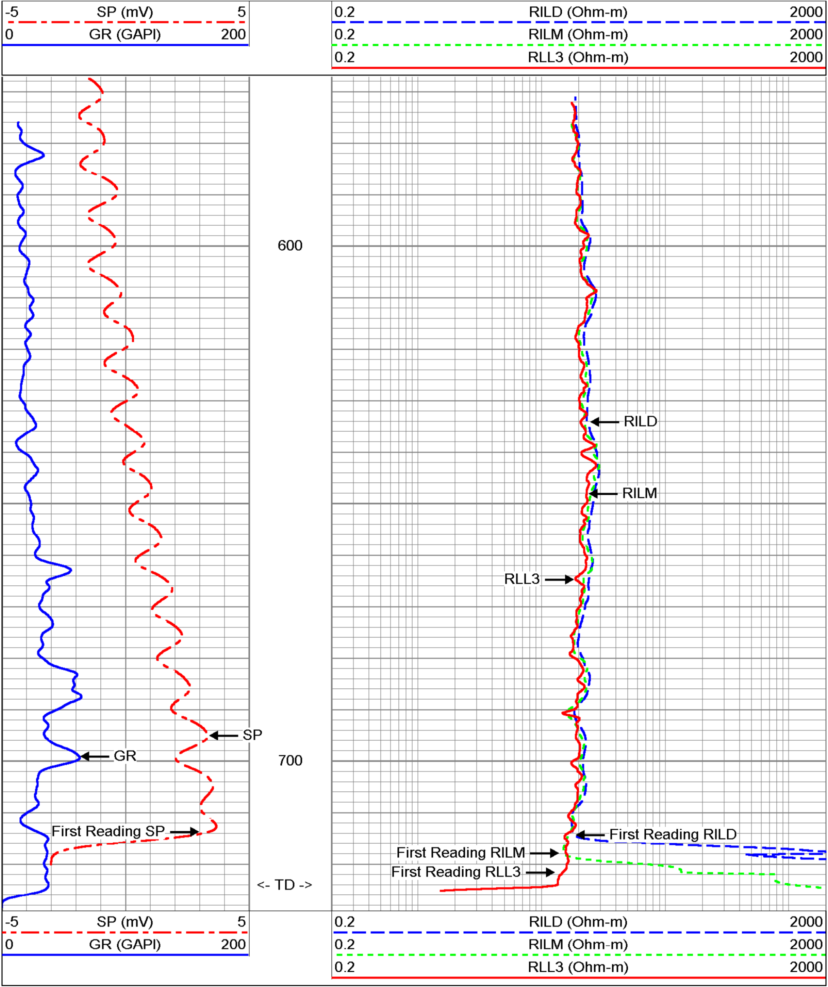
Database File:	ccro112.db
Dataset Pathname:	run3/MAIN
Presentation Format:	DIL200
Dataset Creation:	Mon Nov 21 09:28:29 2005
Charted by:	Depth in Feet scaled 1:240



MV Geophysical

REPEAT SECTION

Database File:	ccro112.db
Dataset Pathname:	run3/REPEAT
Presentation Format:	DIL200
Dataset Creation:	Mon Nov 21 08:29:08 2005
Charted by:	Depth in Feet scaled 1:240



Dual Induction Calibration Report

Serial-Model:	5390-R
Surface Cal Performed:	Sun Jan 16 21:49:43 2005
Downhole Cal Performed:	Mon Nov 21 10:28:38 2005
After Survey Verification Performed:	Mon Nov 21 11:02:26 2005

Surface Calibration

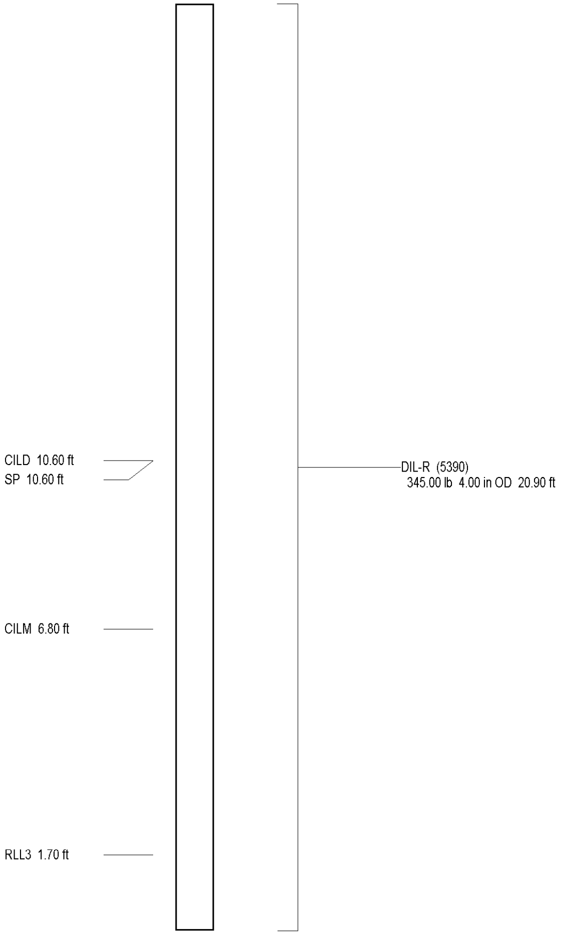
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.646	V	0.000	400.000	mmho-m	671.771	-33.646
Medium	0.001	0.732	V	0.000	464.000	mmho-m	634.710	-0.492
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.996	-7.104
Medium	-0.009	0.738	V	0.000	464.000	mmho-m	620.900	5.734

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-27.381	395.928	mmho-m	-26.130	397.036	mmho-m	1.000	1.241
Medium	-7.876	467.382	mmho-m	-6.353	467.967	mmho-m	0.998	1.507
Shallow	2.504	0.018	V	494.500	2.000	Ohm-m	198.042	-1.468

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	-27.397	396.162	mmho-m	-27.381	395.928	mmho-m	1.000	1.241
Medium	-7.376	467.719	mmho-m	-7.876	467.382	mmho-m	0.998	1.507
Shallow	494.830	1.966	Ohm-m	494.500	2.000	Ohm-m	0.999	0.035



Dataset:	run3/pass6
Total Length:	20.90 ft
Total Weight:	345.00 lb
O.D.	4.00 in