MV Geophysical

DUAL INDUCTION
LL3 / SP
LOG

Company Diversified Drilling Corp.
Well RO 230 Replacement
Field Cape Coral
County Lee
State/Prv Florida

Company	Diversified Drilling Corporation
Well	RO 230 Replacement
Field	Cape Coral
County	Lee
State/Prv	Florida

Location
North of SW 32nd TER & SW 9th AVE
Cape Coral Water Utilities Department
MWH

Other Services
XY/GR
DIL/SP

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

Date	11-FEB-2008			
Run Number	ONE			
Depth Driller	430'			
Depth Logger	430'			
Bottom Logged Interval	428'			
Top Log Interval	SURFACE			
Open Hole Size	9.25"			
Type Fluid	MUD			
Density / Viscosity	NA/NA			
Max. Recorded Temp.	na			
Estimated Cement Top	NA			
Time Well Ready	13:30 2/11/2008			
Time Logger on Bottom	15:00 2/11/2008			
Equipment Number	MVGS-1			
Location	Ft. Myers			
Recorded By	S.Miller/C.Miller			
Witnessed By	B.Fait (MWH)	T.Steel (DDC)		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	9.25"	41'	430'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	20"	.375" WT	SURFACE	41'
Prot. String				
Production String				
Liner				

Invoice No.	2008033	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

Rm=5.854 ohm-m @ 82.1 degF

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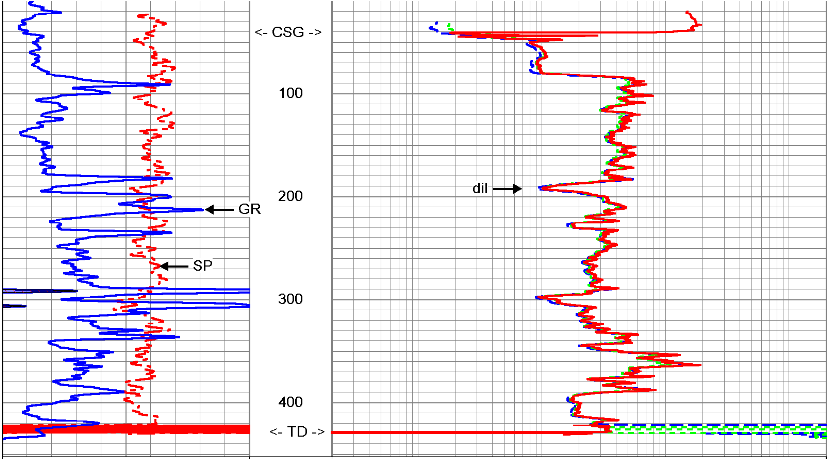
MAIN PASS

Database File: ccro230r.db
Dataset Pathname: MAIN
Presentation Format: DIL1200
Dataset Creation: Mon Feb 11 14:24:04 2008
Charted by: Depth in Feet scaled 1:1200

-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



-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

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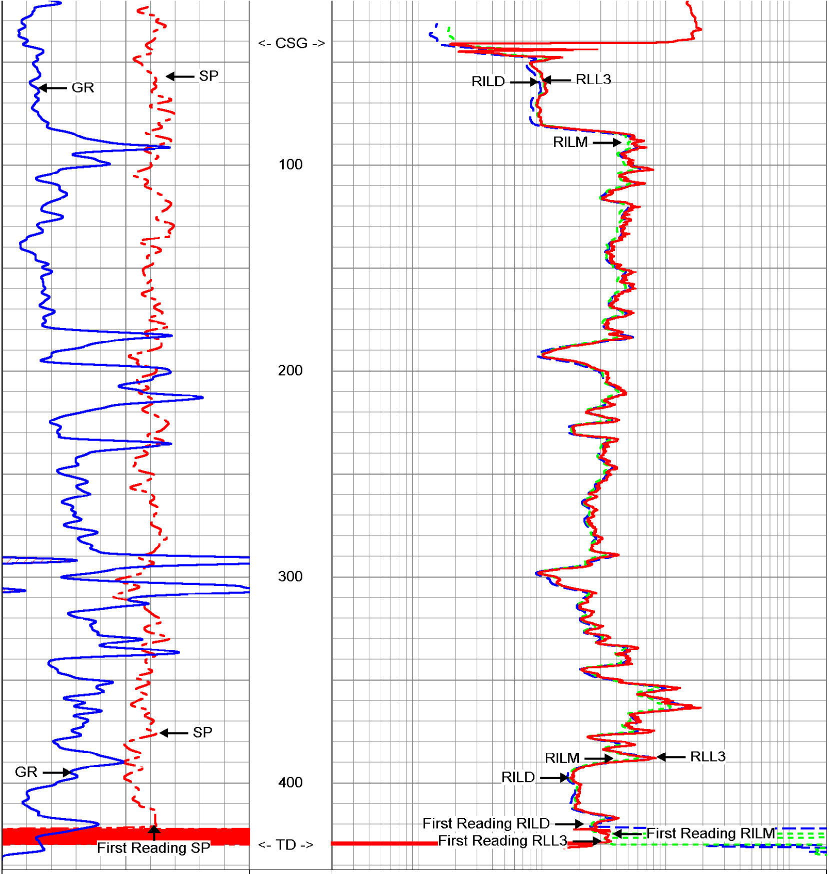
MAIN PASS

Database File: ccro230r.db
Dataset Pathname: MAIN
Presentation Format: DIL200
Dataset Creation: Mon Feb 11 14:24:04 2008
Charted by: Depth in Feet scaled 1:600

-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



-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

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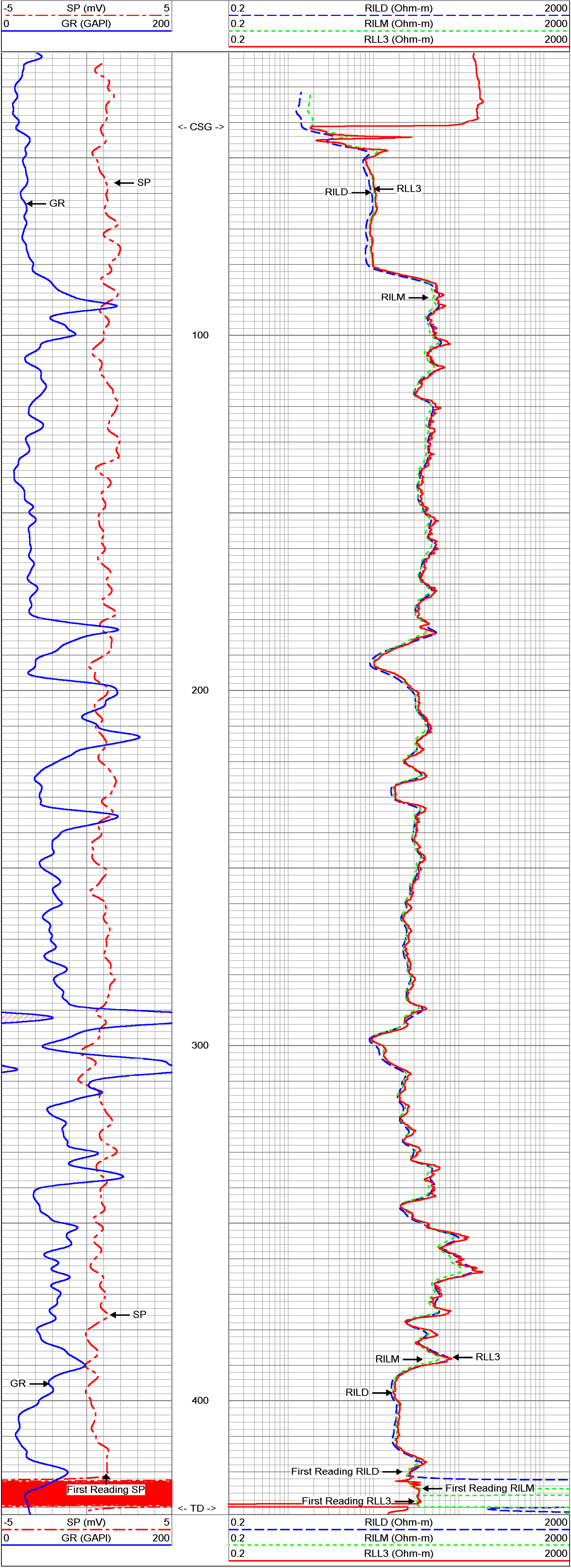
MAIN PASS

Database File:	ccro230r.db
Dataset Pathname:	MAIN
Presentation Format:	DIL200
Dataset Creation:	Mon Feb 11 14:24:04 2008
Charted by:	Depth in Feet scaled 1:240



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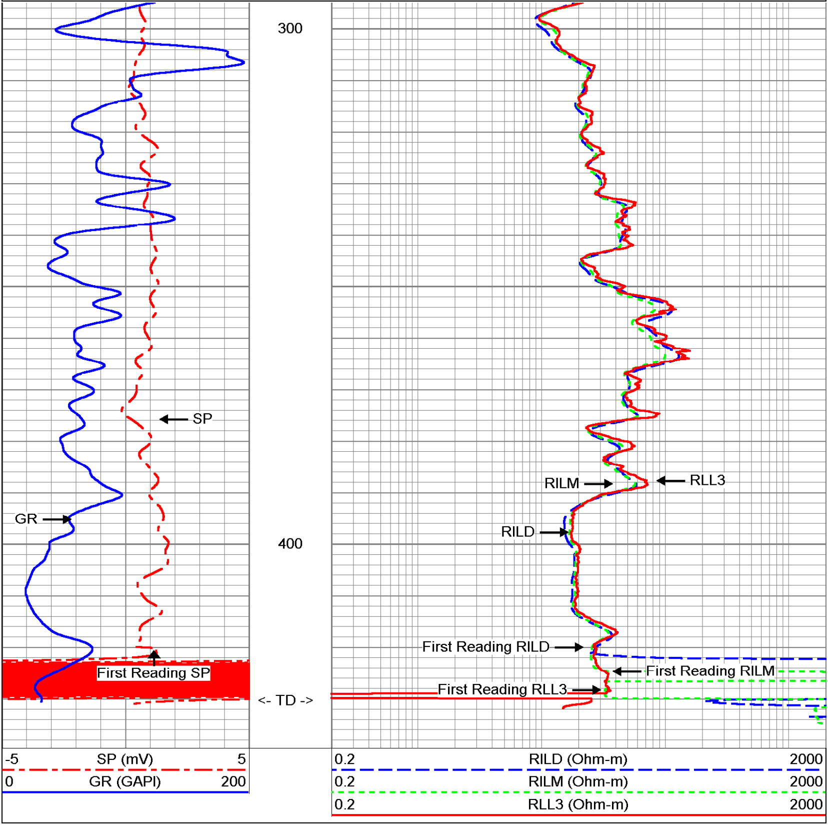
REPEAT SECTION

Database File:	ccro230r.db
Dataset Pathname:	REPEAT
Presentation Format:	DIL200
Dataset Creation:	Mon Feb 11 15:17:05 2008
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:	Thu Nov 15 11:21:40 2007
Downhole Cal Performed:	Wed Mar 15 11:08:57 2006
After Survey Verification Performed:	Thu Nov 15 11:21:50 2007

Surface Calibration

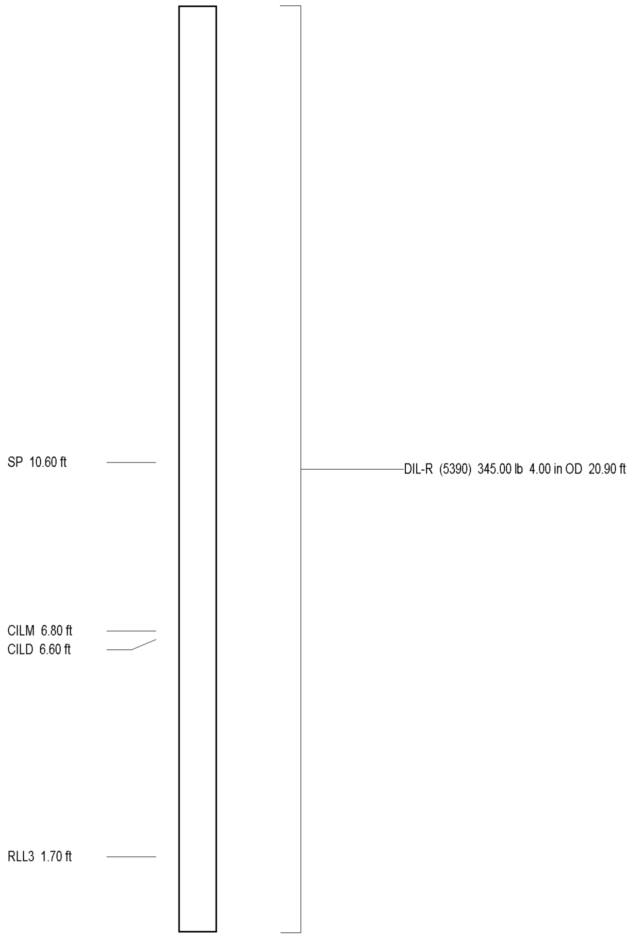
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.646	V	0.000	400.000	mmho-m	671.771	-33.646
Medium	0.001	0.732	V	0.000	464.000	mmho-m	634.710	-0.492
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.996	-7.104
Medium	-0.009	0.738	V	0.000	464.000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

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-26.499	398.282	mmho-m	-26.130	397.036	mmho-m	0.996	0.268
Medium	-5.803	469.733	mmho-m	-6.353	467.967	mmho-m	0.997	-0.565
Shallow	2.501	0.010	V	494.500	2.000	Ohm-m	197.687	15.044

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	-26.151	398.470	mmho-m	-26.499	398.282	mmho-m	0.996	0.268
Medium	-5.737	470.303	mmho-m	-5.803	469.733	mmho-m	0.997	-0.565
Shallow	567.058	128.961	Ohm-m	494.500	2.000	Ohm-m	1.124	-142.975



Dataset:	run1/pass8
Total Length:	20.90 ft
Total Weight:	345.00 lb
O.D.	4.00 in