MV Geophysical

Company Diversified Drilling Corp.
Well NW 7N
Field Cape Coral
County Lee
State/Prov Florida

BOREHOLE COMPENSATED w/ VARIABLE DENSITY LOG

Company Diversified Drilling Corporation
Well NW 7N
Field Cape Coral
County Lee
State/Prov Florida

Location: Cape Coral Municipal Airport
Diagonal Pkwy (W of Chiaplin)
Cape Coral, Florida
NW7N
Elevation: 0 ft KB
0 ft GL
0 ft DF
Date: 11-Feb-2007
Run No: ONE
Depth Driller: 1240 ft
Depth Logger: 1240 ft
Bottom Log Interval: 1240 ft
Top Log Interval: 0 ft
Casing Driller Size: 6 in @ 0 ft
Casing Logger: CASING
Bit Size: 6 in
Type Fluid: FRESH WATER
Density: 8.4 lb/gal
Viscosity: 28 s
Fluid Level: FULL
Max Rec Temp: 85 F
Equipment: 5 Miles East
Recorded By: D. Hawkins
Witnessed By: Mr. Mark Wilson

Run Number	Bottom Log Interval	Top Log Interval	Casing Driller Size @ Depth	Casing Logger	Bit Size	Type Fluid in Hole	Density	Viscosity	Max Rec Temp	Equipment Location	Recorded By	Witnessed By
ONE	1240	0	6 @ 0	CASING	6	FRESH WATER	8.4	28	85	5 Miles East	D. Hawkins	Mr. Mark Wilson

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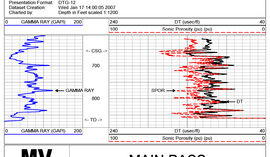
Comments

Sonic Porosity was run on a Limestone Matrix (=47.5)

MV Geophysical

MAIN PASS

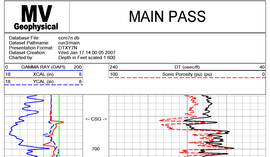
Database File: ccnc7n.db
Dataset Pathname: run3/main
Presentation Format: DTG-32
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:200



MV Geophysical

MAIN PASS

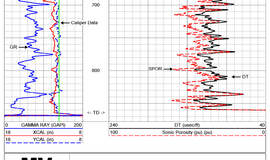
Database File: ccnc7n.db
Dataset Pathname: run3/main
Presentation Format: DTXY7N
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:600



MV Geophysical

MAIN PASS

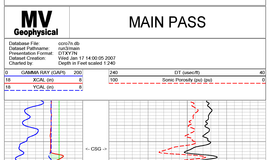
Database File: ccnc7n.db
Dataset Pathname: run3/main
Presentation Format: DTXY7N
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:240



MV Geophysical

MAIN PASS

Database File: ccnc7n.db
Dataset Pathname: run3/main
Presentation Format: SON_VDL
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:240

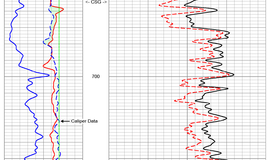


First Reading BHC/VDL=857

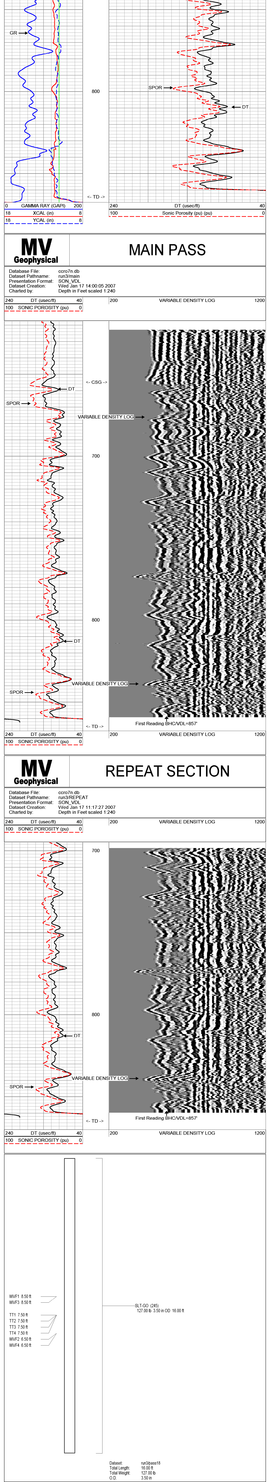
MV Geophysical

REPEAT SECTION

Database File: ccnc7n.db
Dataset Pathname: run3/REPEAT
Presentation Format: SON_VDL
Dataset Creation: Wed Jan 11 11:17:27 2007
Charted by: Depth in Feet scaled 1:240



First Reading BHC/VDL=857



DUAL INDUCTION LL3 / SP LOG

MV Geophysical

Company	Diversified Drilling Corporation
Well	NW 7N
Field	Cape Coral
County	Lee
State/Prv	Florida

Company Diversified Drilling Corp.
Well NW 7N
Field Cape Coral
County Lee
State/Prv Florida

Location
Diplomat Pkwy (W of Chiquita)
Cape Coral Water Utilities Department
MWH

Other Services
XY/GR,DIL
FCT,BHC
FLOW,DHTV

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

Date	17-JAN-2007		
Run Number	THREE		
Depth Driller	864'		
Depth Logger	865'		
Bottom Logged Interval	863'		
Top Log Interval	655'		
Open Hole Size	11"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	NA		
Time Well Ready	08:00 1/17/2007		
Time Logger on Bottom	13:30 1/17/2007		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller/C.Miller		
Witnessed By	G.Young (MWH)	C.Dodd (DDC)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	7.875"	40'	662'				
TWO	18.75"	40'	659'				
THREE	11"	655'	864'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	20"	.375" WT	SURFACE	40'
Prot. String	12" FRP	12" ID	SURFACE	655'
Production String				
Liner				
Invoice No.	2007017	P.O. #:	Job No.:	* FIELD PRINT *

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Comments

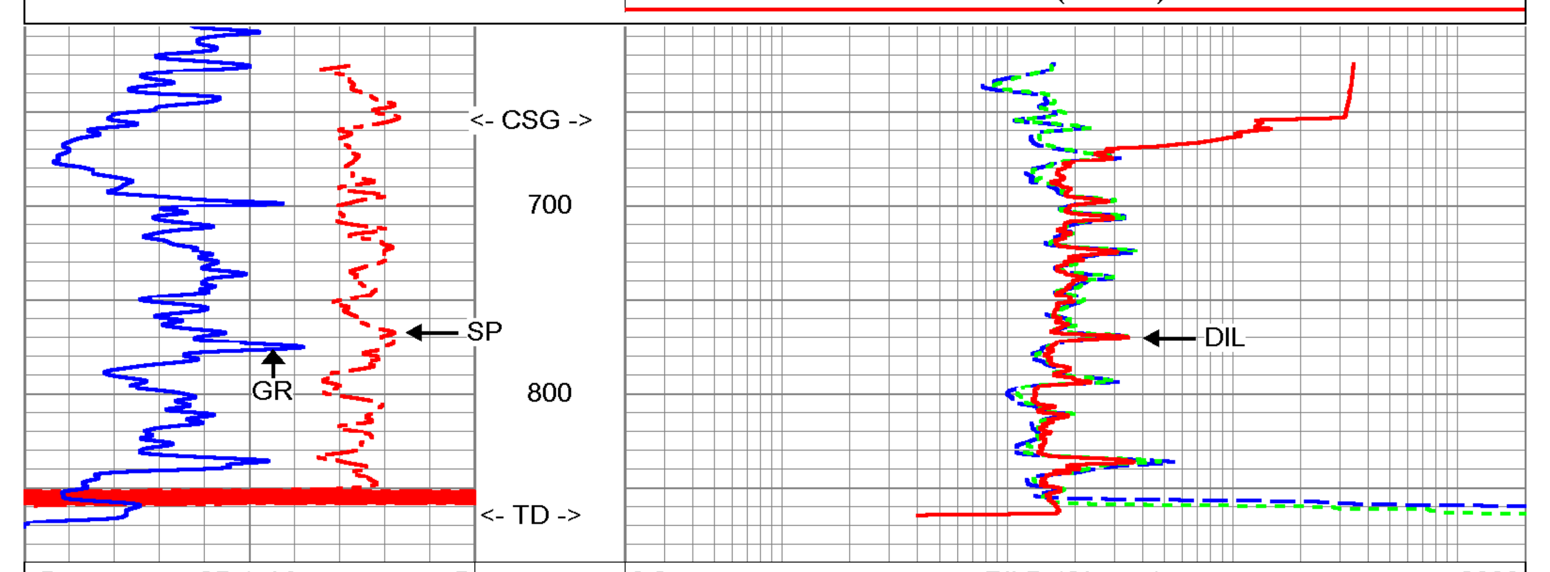
Rw=2.088 ohm-m @ 85.1 degF

MAIN PASS

MV Geophysical

Database File: ccro7n.db
Dataset Pathname: run3/main
Presentation Format: DIL1200
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:1200

-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000



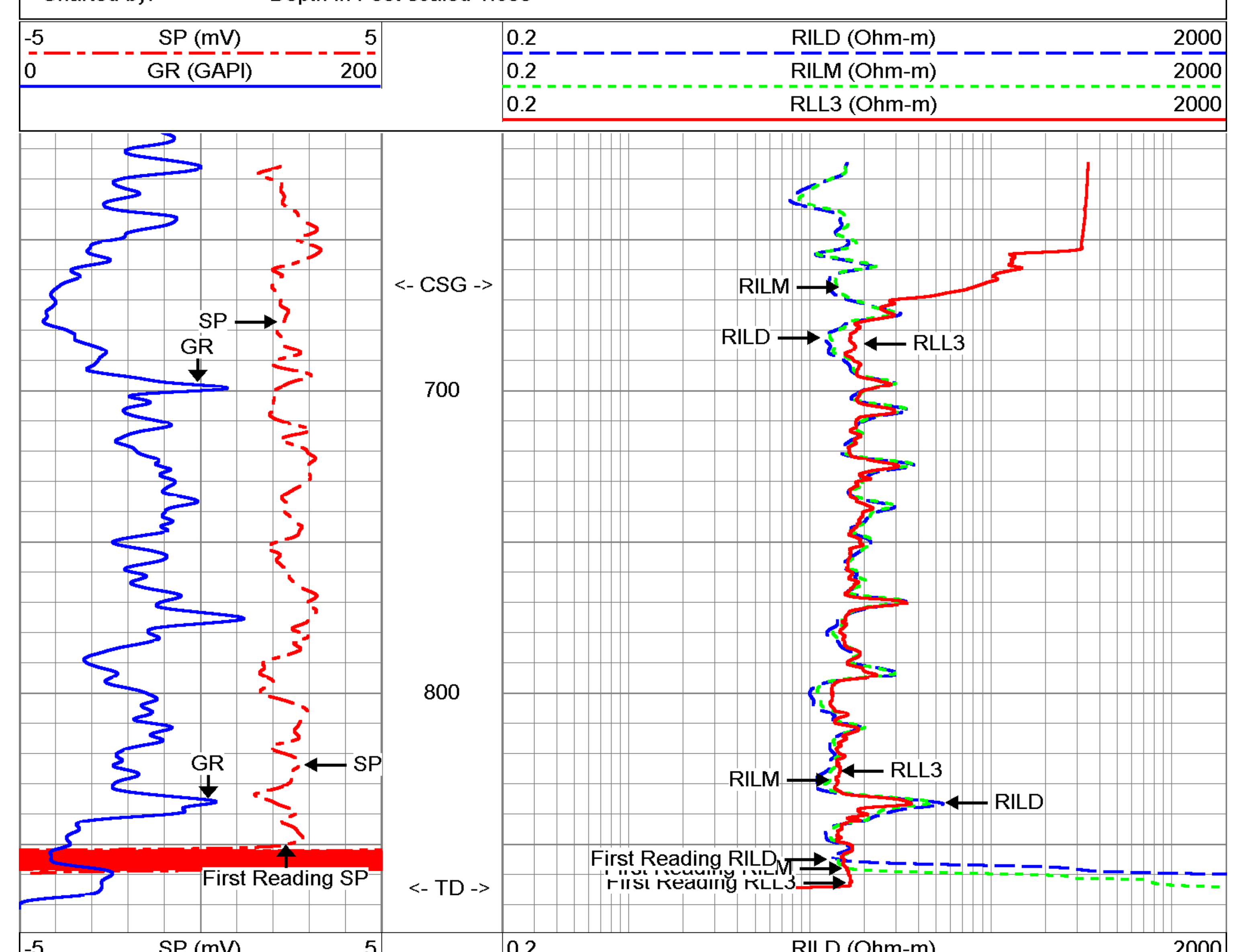
-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

MAIN PASS

MV Geophysical

Database File: ccro7n.db
Dataset Pathname: run3/main
Presentation Format: DIL200
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:600

-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000



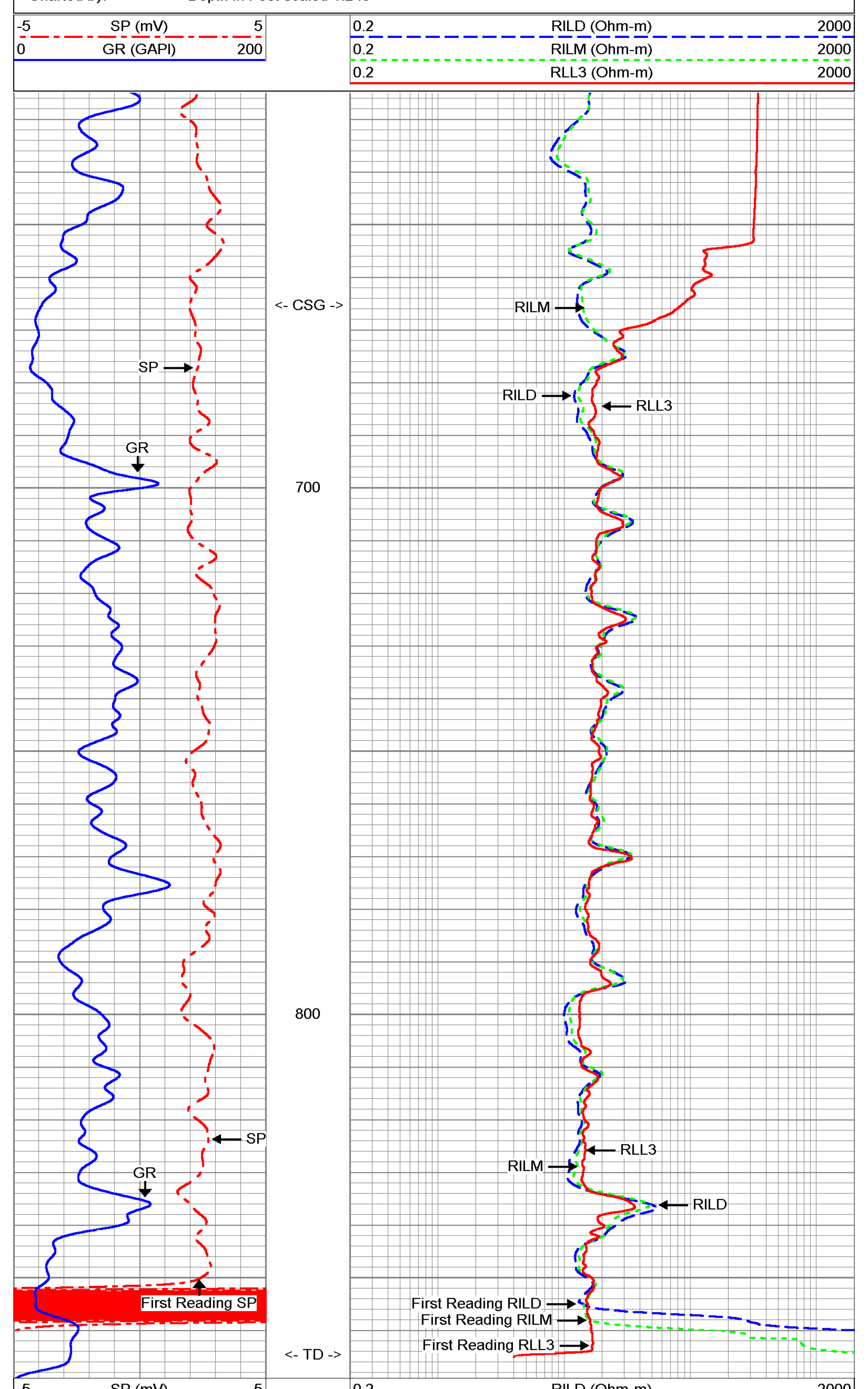
-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

MAIN PASS

MV Geophysical

Database File: ccro7n.db
Dataset Pathname: run3/main
Presentation Format: DIL200
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:240

-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000



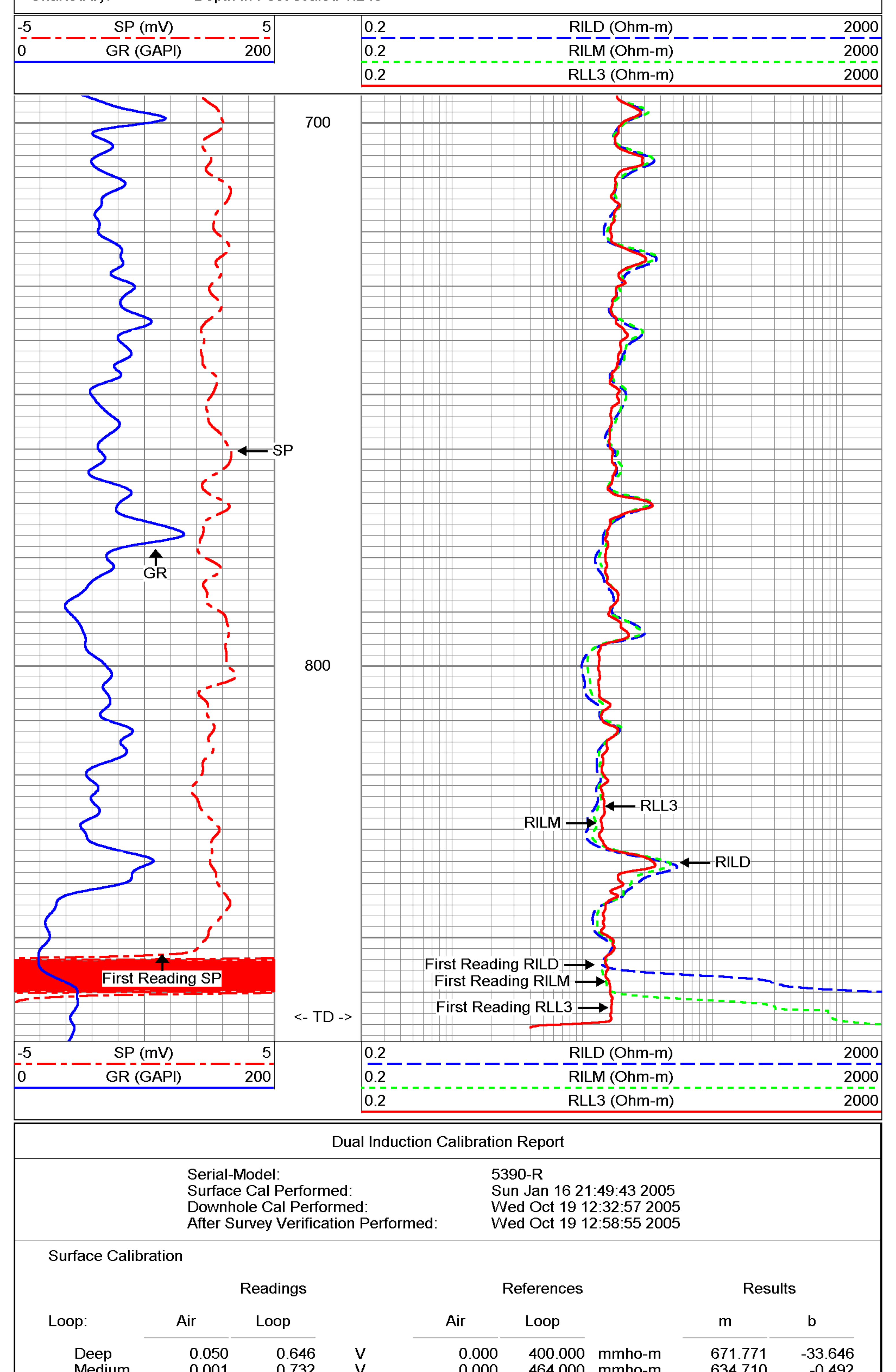
-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

REPEAT SECTION

MV Geophysical

Database File: ccro7n.db
Dataset Pathname: run3/REPEAT
Presentation Format: DIL200
Dataset Creation: Wed Jan 17 11:17:27 2007
Charted by: Depth in Feet scaled 1:240

-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000



-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	200	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000

Dual Induction Calibration Report

Serial-Model: 5390-R
Surface Cal Performed: Sun Jan 16 21:49:43 2005
Downhole Cal Performed: Wed Oct 19 12:32:57 2005
After Survey Verification Performed: Wed Oct 19 12:58:55 2005

Surface Calibration

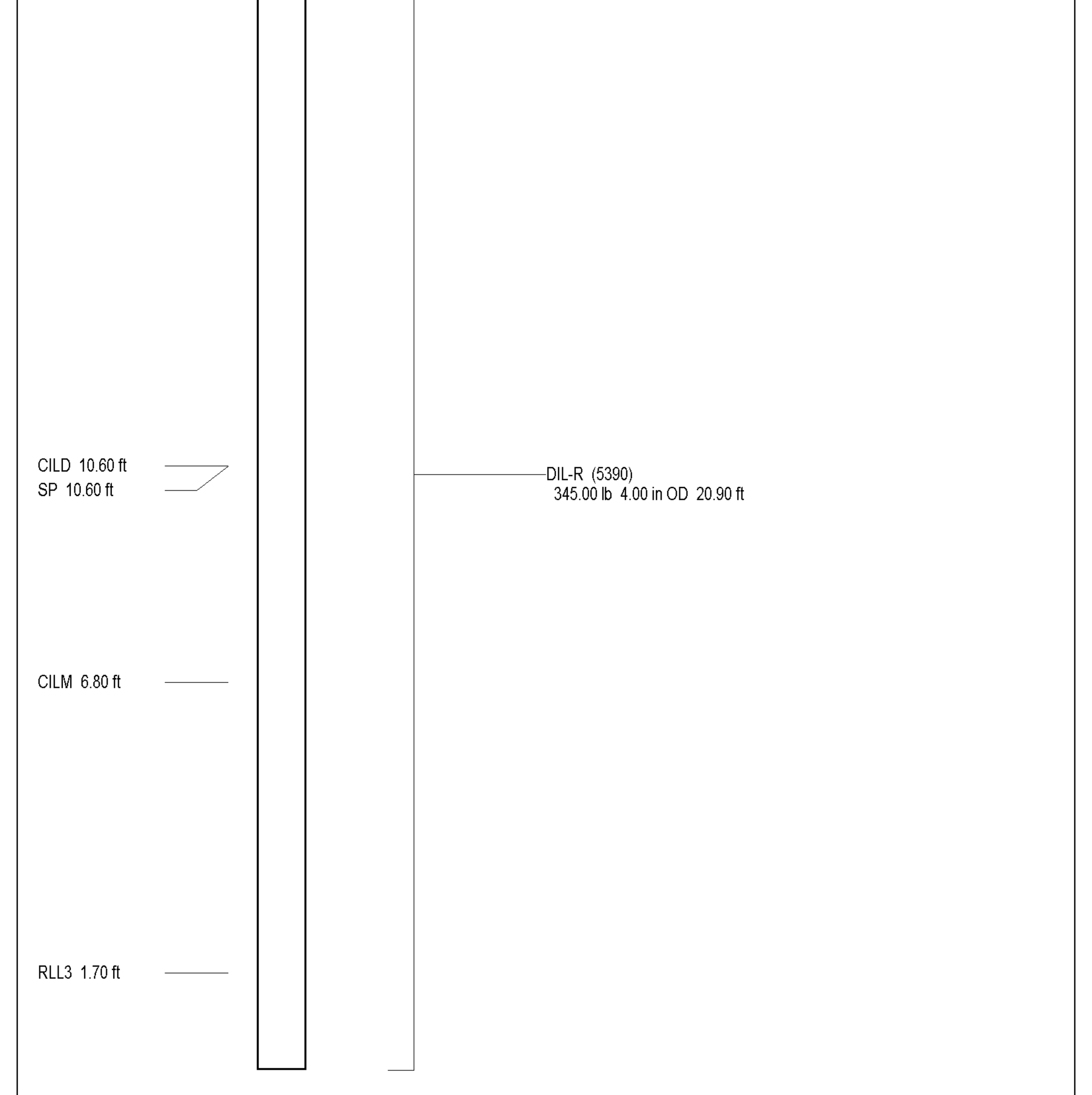
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.050	0.646	V	0.000	400.000	mmho-m	671.771	-33.646
Medium	0.001	0.732	V	0.000	464.000	mmho-m	634.710	-0.492
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.996	-7.104
Medium	-0.009	0.738	V	0.000	464.000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

Downhole Calibration

	Readings			References			Results	
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	-26.659	398.163	mmho-m	-26.130	397.036	mmho-m	0.996	0.425
Medium	-7.097	468.715	mmho-m	-6.353	467.967	mmho-m	0.997	0.722
Shallow	2.509	0.019	V	494.500	2.000	Ohm-m	197.790	-1.721

After Survey Verification

	Readings			Targets			Results	
Internal:	Zero	Cal		Zero	Cal		m'	b'
Deep	-27.012	397.367	mmho-m	-26.659	398.163	mmho-m	0.996	0.425
Medium	-7.085	467.858	mmho-m	-7.097	468.715	mmho-m	0.997	0.722
Shallow	494.011	1.606	Ohm-m	494.500	2.000	Ohm-m	1.000	0.393



Dataset: run1/pass5
Total Length: 20.90 ft
Total Weight: 345.00 lb
O.D. 4.00 in

MV Geophysical

Company	Diversified Drilling Corp.
Well	NW 7N
Field	Cape Coral
County	Lee
State/Prv	Florida

Company: Diversified Drilling Corporation
Well: NW 7N
Field: Cape Coral
County: Lee
State/Prv: Florida

Location: Dpdonat Pkwy (W of Chiquita)
Cape Coral Water Utilities Department
MW11
Elevation: G.L.
K.B.
D.F.
G.L.

Elevation: G.L.
G.L.
G.L.

Date: 11-JAN-07
Time: 10:15

Drlg Measured From: G.L.

Permanent Datum: G.L.

Log Measured From: K.B. 0.0 Above Perm. Datum

Other Services: XYCDR, DLCL, FLOW, DHTV

FLUID CONDUCTIVITY TEMPERATURE LOG

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Comments

STATIC and DYNAMIC DOWN passes were performed.
Cw=4790 uS/cm @ 85.1 degF (Dynamic Sample). Q =~300 gpm.
FLUID RESISTIVITY CALIBRATION REPORT (Performed: 11-JAN-07 10.45))

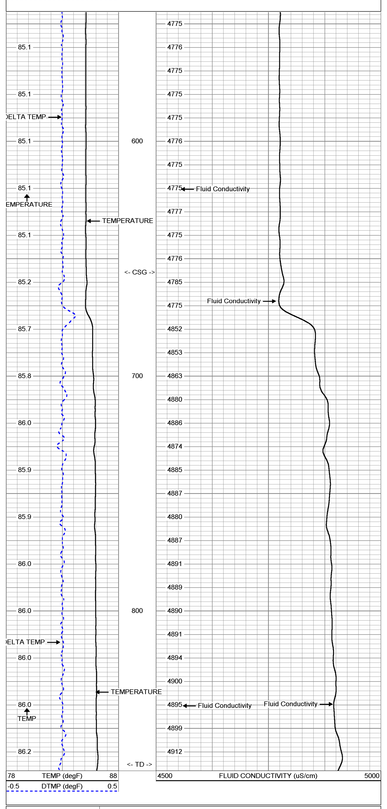
uS/cm	CPS
4018.4	2824.25
8828.5	2660.58
14691.2	2234.36

TEMPERATURE CALIBRATION REPORT (Performed: erformed: 11-JAN-07 10:15)

DEG-F	CPS
34.81	2349.61
142.22	6966.29

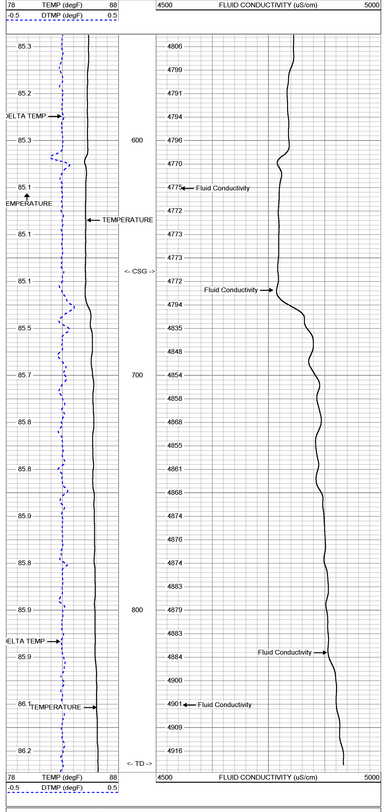
MV Geophysical — DYNAMIC FCT DOWN

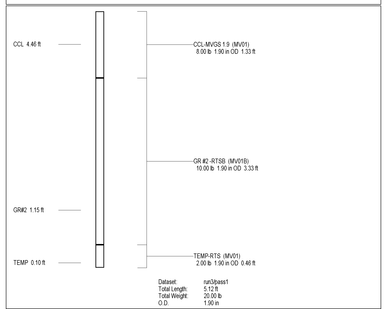
Database File: ocro7n.db
Dataset Pathname: run3/DFCT
Presentation Format: FCT7N
Dataset Creation: Wed Jan 17 11:09:34 2007
Charted by: Depth in Feet scaled 1:240



MV Geophysical — STATIC FCT DOWN

Database File: ocro7n.db
Dataset Pathname: run3/SFCT
Presentation Format: FCT7N
Dataset Creation: Wed Jan 17 10:44:54 2007
Charted by: Depth in Feet scaled 1:240





Company	Diversified Drilling Corp.
Well	NW 7N
Field	Cape Coral
County	Lee
State/Prv	Florida

MV Geophysical

FLOWMETER LOG

Company	Diversified Drilling Corporation
Well	NW 7N
Field	Cape Coral
County	Lee
State/Prv	Florida
Location	Dalseuil Pkwy. (W of Chiquita) Cape Coral Water Utilities Department
Elevation	G.L. 0.0 ft. G.L. 0.0 ft.
Permanent Datum	G.L.
Log Measured From	G.L.
Drilling Measured From	G.L.
Date	11/07/2007
Run Number	ONE
Depth Driller	1600
Depth Logger	1600
Bottom Logged Interval	1600
Top Logged Interval	SURFACE
Casing Driller Size	8.625 @ 0
Casing Logger	8.625 @ 0
Bit Size	8.0
Type Fluid in Hole	FRESH WATER
Dens.	1.0
Visc.	0.0
PH	7.0
Fluid Level	FULL
Max. Rec. Temp.	0.0
Estimated Cement Top	0.0
Time Circ. Ended	0:00
Time Logger At Bottom	0:00
Equipment Number	0000
Location	0000
Recorded By	0000
Witnessed By	0000

Other Services: TDT, DTC, DTS, DTL, DTD

*** FLOWTEST ***

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Comments

STATIC and DYNAMIC down passes were made at 50 fpm.

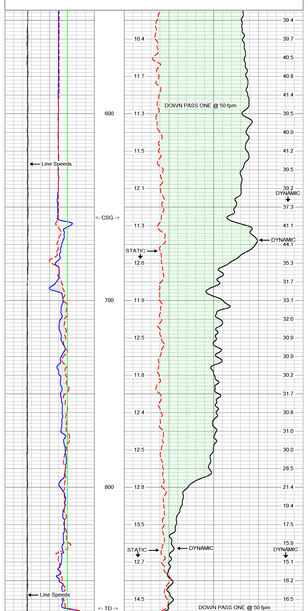
4 station performed.

Q =~300 gpm

MV Geophysical — S/D DOWN @ 50 fpm

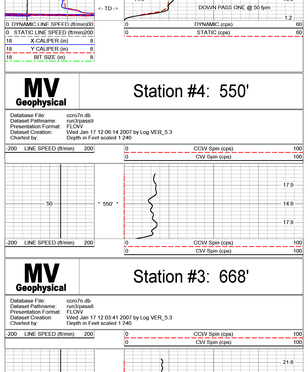
Database File: ccro7n.db
Dataset Pathname: run3ds950
Presentation Format: QCC7N
Dataset Creation: Wed Jan 17 11:49:26 2007
Charted by: Depth in Feet scaled 1:240

0 DYNAMIC LINE SPEED (ft/min)200 — 0 DYNAMIC (cps) 60
0 STATIC LINE SPEED (ft/min)200 — 0 STATIC (cps) 60
18 X-CALIPER (in) 8
18 Y-CALIPER (in) 8
16 BIT SIZE (in) 8



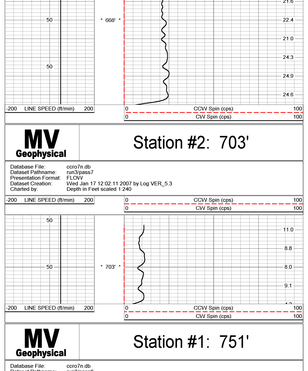
MV Geophysical — Station #4: 550'

Database File: ccro7n.db
Dataset Pathname: run3station9
Presentation Format: FLOW
Dataset Creation: Wed Jan 17 12:06:14 2007 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



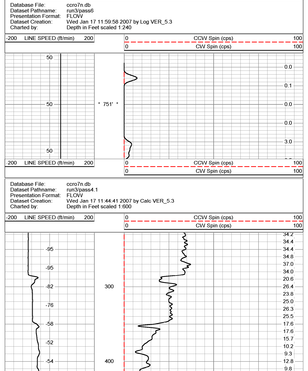
MV Geophysical — Station #3: 668'

Database File: ccro7n.db
Dataset Pathname: run3station8
Presentation Format: FLOW
Dataset Creation: Wed Jan 17 12:03:41 2007 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



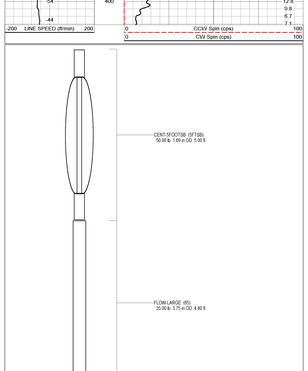
MV Geophysical — Station #2: 703'

Database File: ccro7n.db
Dataset Pathname: run3station7
Presentation Format: FLOW
Dataset Creation: Wed Jan 17 12:02:11 2007 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV Geophysical — Station #1: 751'

Database File: ccro7n.db
Dataset Pathname: run3station6
Presentation Format: FLOW
Dataset Creation: Wed Jan 17 11:59:58 2007 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



Database File: ccro7n.db
Dataset Pathname: run3dataset4.1
Presentation Format: FLOW
Dataset Creation: Wed Jan 17 11:44:41 2007 by Calc VER_5.3
Charted by: Depth in Feet scaled 1:600

Company	Diversified Drilling Corp.
Well	NW 76
Field	Cape Coral
County	Lee
State/Prov	Florida

MV geophysical

Company: Diversified Drilling Corporation
Field: Cape Coral
County: Lee
State/Prov: Florida
Well: NW 76

X-Y CALIPER
GAMMA RAY
LOG

Date	17-Dec-2007
Depth Reference	Depth at Ground Level
Elevation	
Permanent Datum	
Log Measured From	
Drilling Measured From	
Depth Scale	1:200
Depth Type	Measured Depth
Log Type	Raw
Log Direction	Down
Log Interval	0 - 1000
Logging Speed	30
Tool Model	XYCL
Serial Number	1000
Calibration Date	20-Dec-2007
Calibration Type	Factory
Calibration Method	Standard
Tool Length	10.00
Tool Weight	50.00
Tool Diameter	1.75
Tool Position	Centralized
Tool Orientation	Vertical
Tool Type	Caliper
Tool Description	XYCL
Tool Number	1000
Tool Mnemonic	XYCL
Channel Mnemonic	XYCL
Channel Units	Inches
Channel Resolution	0.01
Channel Offset	0.00
Channel Multiplier	1.00
Channel Description	X-Y CALIPER
Channel Mnemonic	GRAY
Channel Units	API
Channel Resolution	0.01
Channel Offset	0.00
Channel Multiplier	1.00
Channel Description	GAMMA RAY

MV Geophysical Inc. 1000 Lenox Drive, Suite 102 Lawrenceville, NJ 08648 (609) 896-1900 FAX (609) 896-1911

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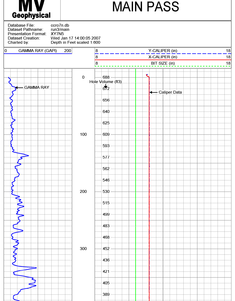
Comments

X-Y Caliper Arm Extensions: 51"

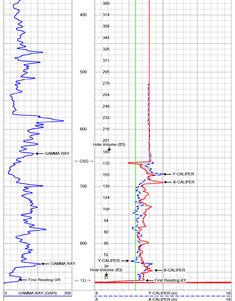
MAIN PASS

Database File: nov7n.db
Dataset Pathname: nov7ctoan
Presentation Format: X-Y-Tv
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:600



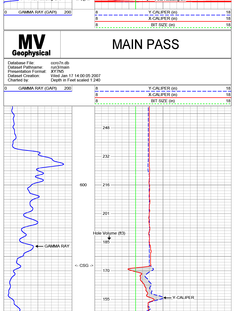
MAIN PASS

Database File: nov7n.db
Dataset Pathname: nov7ctoan
Presentation Format: X-Y-Tv
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:600



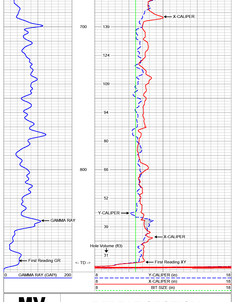
MAIN PASS

Database File: nov7n.db
Dataset Pathname: nov7ctoan
Presentation Format: X-Y-Tv
Dataset Creation: Wed Jan 17 14:00:05 2007
Charted by: Depth in Feet scaled 1:600



REPEAT SECTION

Database File: nov7n.db
Dataset Pathname: nov7rtEXAT
Presentation Format: X-Y-Tv
Dataset Creation: Wed Jan 17 11:11:22 2007
Charted by: Depth in Feet scaled 1:240

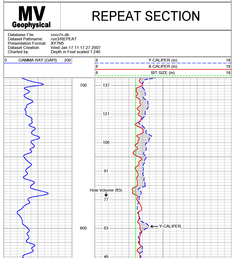


XY Caliper Calibration Report

Serial Number	000
Tool Model	XYCL
Performed	Wed Jan 17 13:09:20 2007
Small Ring	12 in
Large Ring	51 in
	X Caliper / Y Caliper
Reading with Small Ring	998 / 998 cps
Reading with Large Ring	1142.5 / 1066 cps
Gain	0.8636364 / 0.9333333
Offset	-861.5 / -927.8333

Gamma Ray Calibration Report

Serial Number	02
Tool Model	GR24H
Performed	Wed Jan 17 12:23:47 2007
Calibrator Value	120 / GAPI
Background Reading	28.7515 cps
Calibrator Reading	152.215 cps
Sensitivity	1.15062 / GAPI/cps



Dataset: nov7dtest1?
Total Length: 0.31 ft
Cog Weight: 0.00 lb
Cog Length: 0.00 ft