MV Geophysical

DUAL INDUCTION
LL3 / SP
LOG

Company Florida Design Drilling Corp.
Well PW-1
Field Davie
County Broward
State/Prv Florida

Company	Florida Design Drilling Corp.
Well	PW-1
Field	Davie
County	Broward
State/Prv	Florida

Location
Production Wellfield Expansion
Town of Davie - UF Test Site
AECOM

Other Services
XY/GR
DIL,BHC
FLO,FCT

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

Date	28-JUN-2012		
Run Number	FOUR		
Depth Driller	1576'		
Depth Logger	1576'		
Bottom Logged Interval	1574'		
Top Log Interval	972'		
Open Hole Size	14.75"/9.875"		
Type Fluid	H2O		
Density / Viscosity	na/na		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	SURFACE		
Time Well Ready	14:00 6/28/2012		
Time Logger on Bottom	19:00 6/28/2012		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller/C.Miller		
Witnessed By	S. English (AECOM)	B.Balmer (FDD)	Rossco (FDD)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	41"	46'	256'	FIVE	9.875	1100'	1576'
TWO	11.875"	255'	1100'				
THREE	28"	255'	975'				
FOUR	15"	972'	1100'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	46'
Prot. String	30"	0.375" WT	SURFACE	255'
Production String	16" FRP	15.875" ID	SURFACE	972'
Liner				
Invoice No.	2012135	fddavie1.db	8fld/4fld/.pdf/.las	* Final Print *

<<< Fold Here >>>

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.

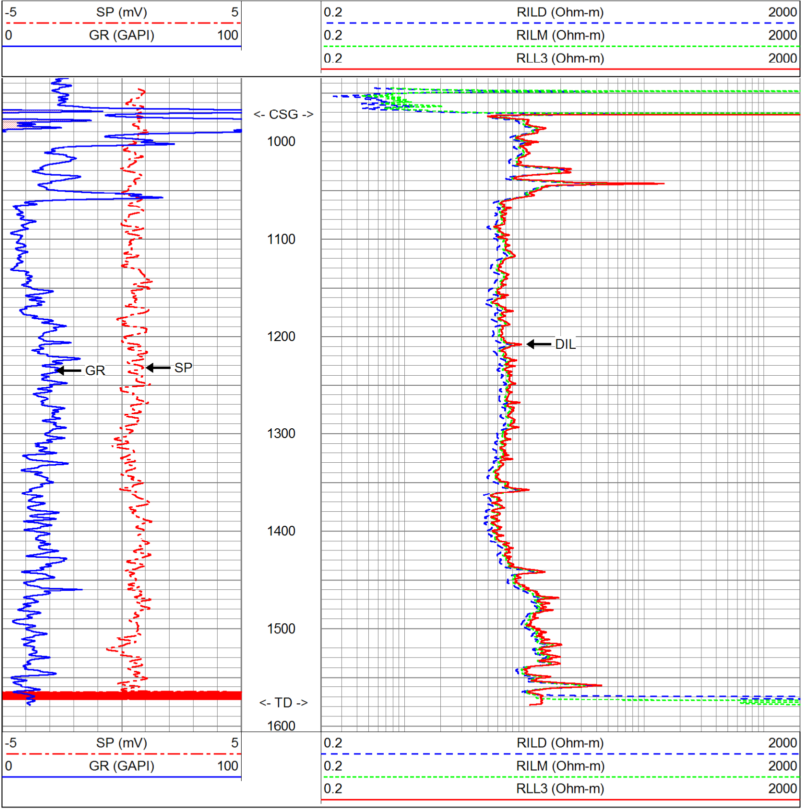
Comments

Rw=1.366 ohm-m @ 69.8 degF (Dynamic Sample)

MV
Geophysical

MAIN PASS

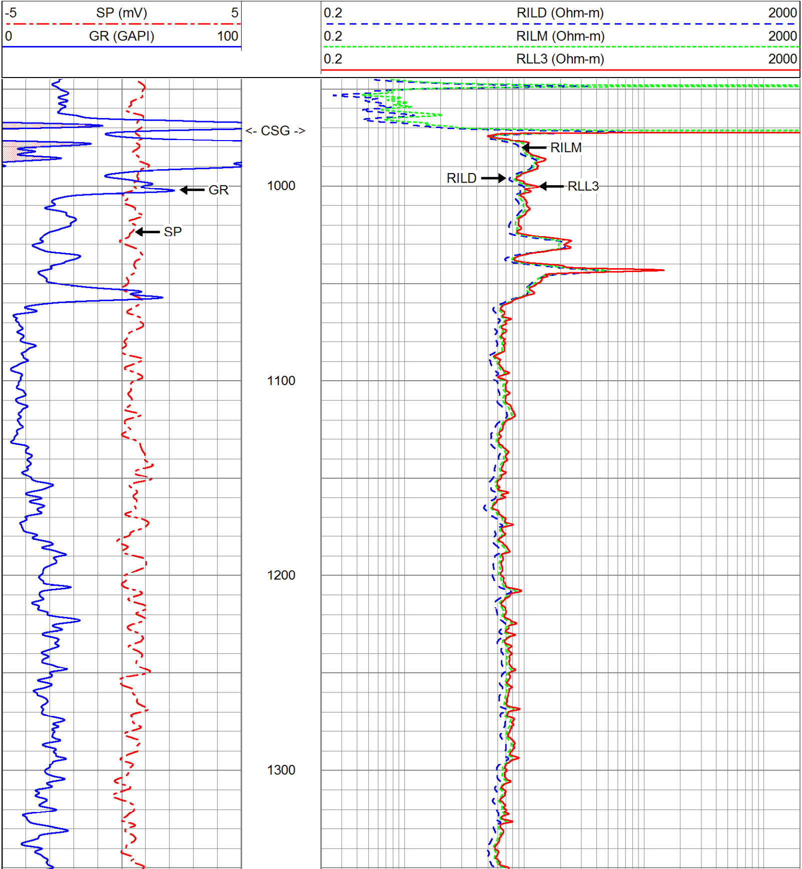
Database File: fddavie1.db
Dataset Pathname: run4/MAIN
Presentation Format: dil-1
Dataset Creation: Thu Jun 28 15:35:59 2012
Charted by: Depth in Feet scaled 1:1200

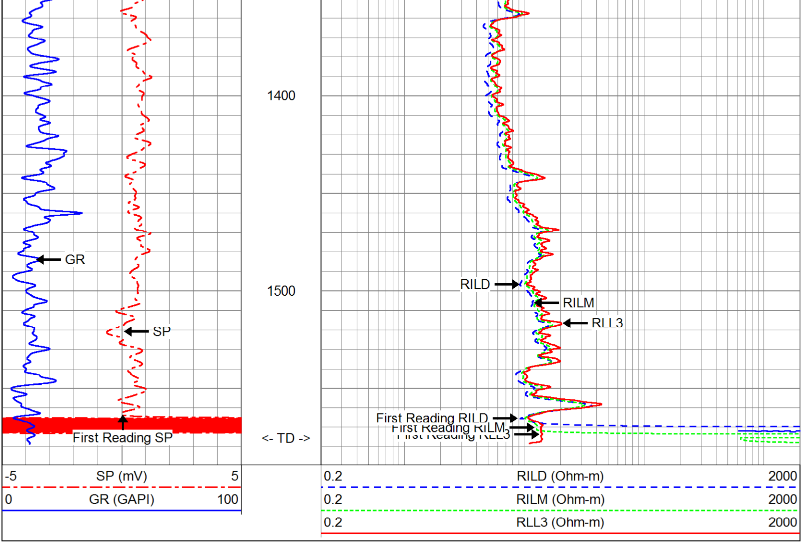


MV Geophysical

MAIN PASS

Database File: fddavie1.db
Dataset Pathname: run4/MAIN
Presentation Format: dil-5
Dataset Creation: Thu Jun 28 15:35:59 2012
Charted by: Depth in Feet scaled 1:600

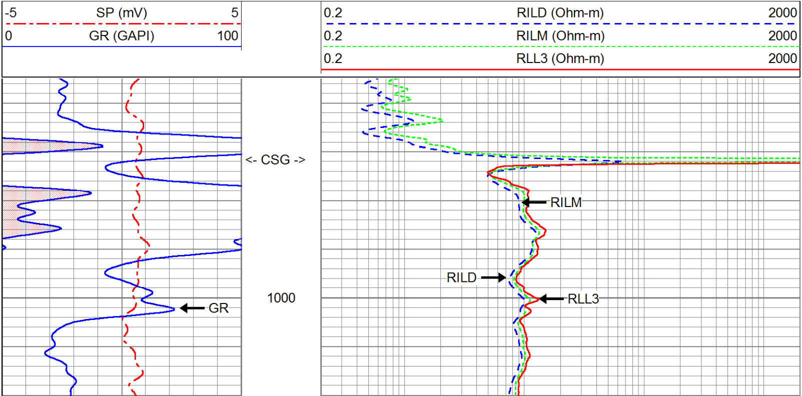


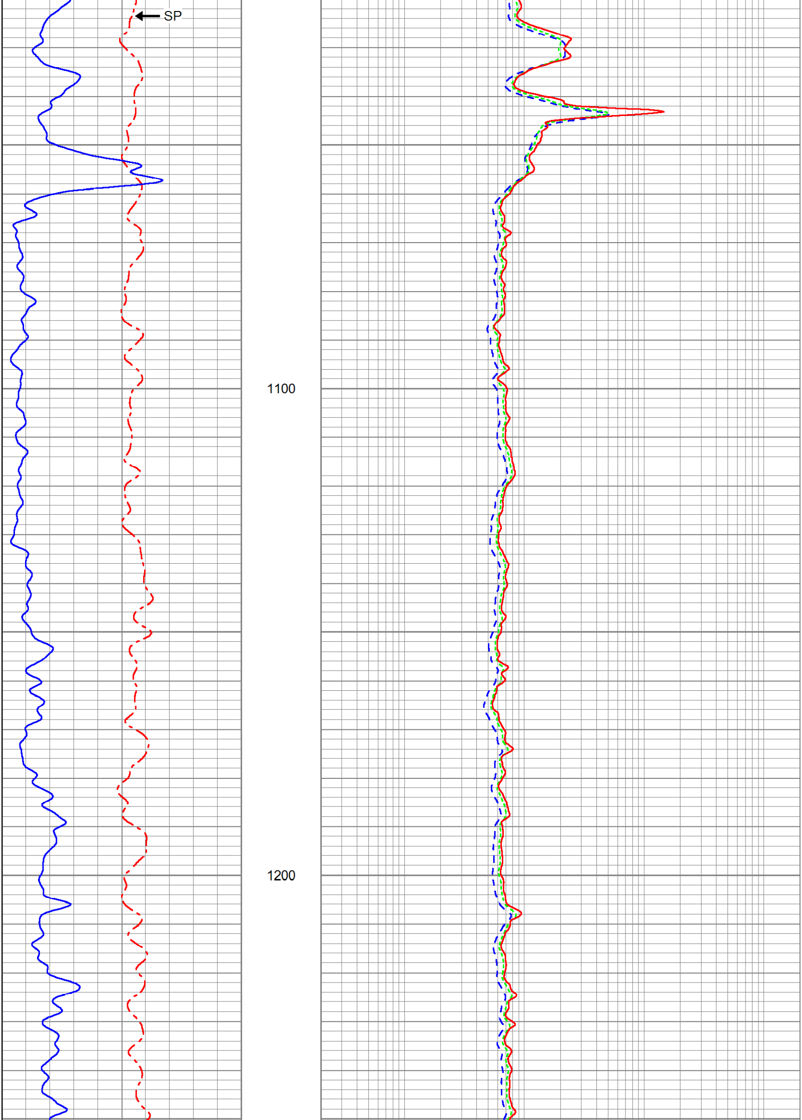


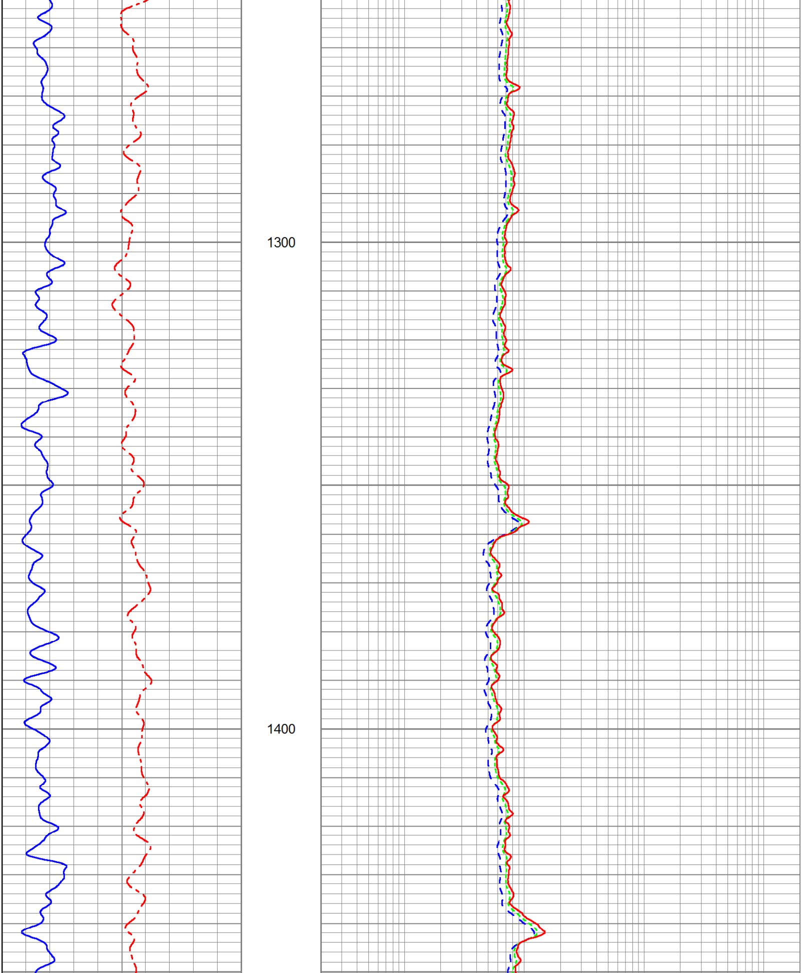
MV
Geophysical

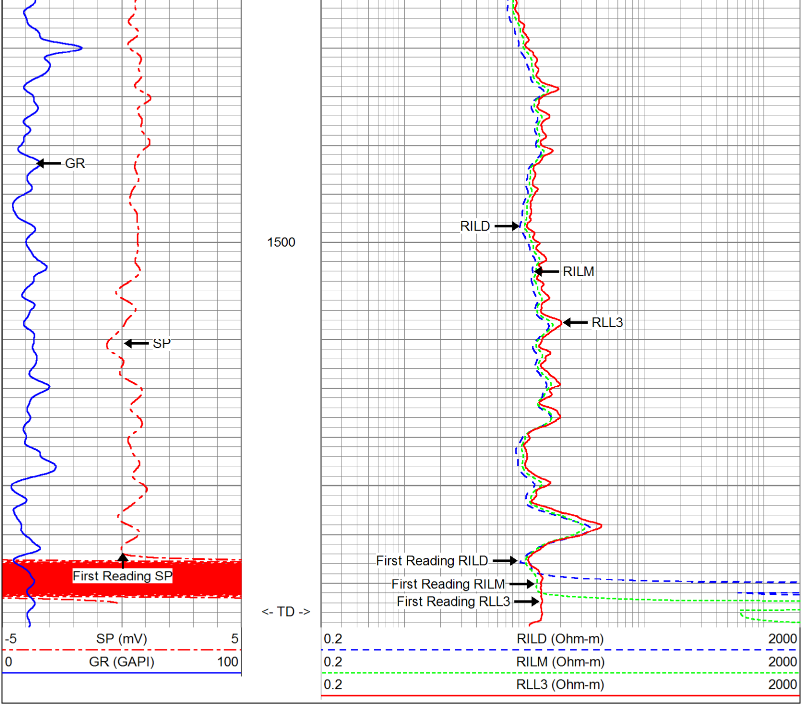
MAIN PASS

Database File:	fddavie1.db
Dataset Pathname:	run4/MAIN
Presentation Format:	dil-5
Dataset Creation:	Thu Jun 28 15:35:59 2012
Charted by:	Depth in Feet scaled 1:240







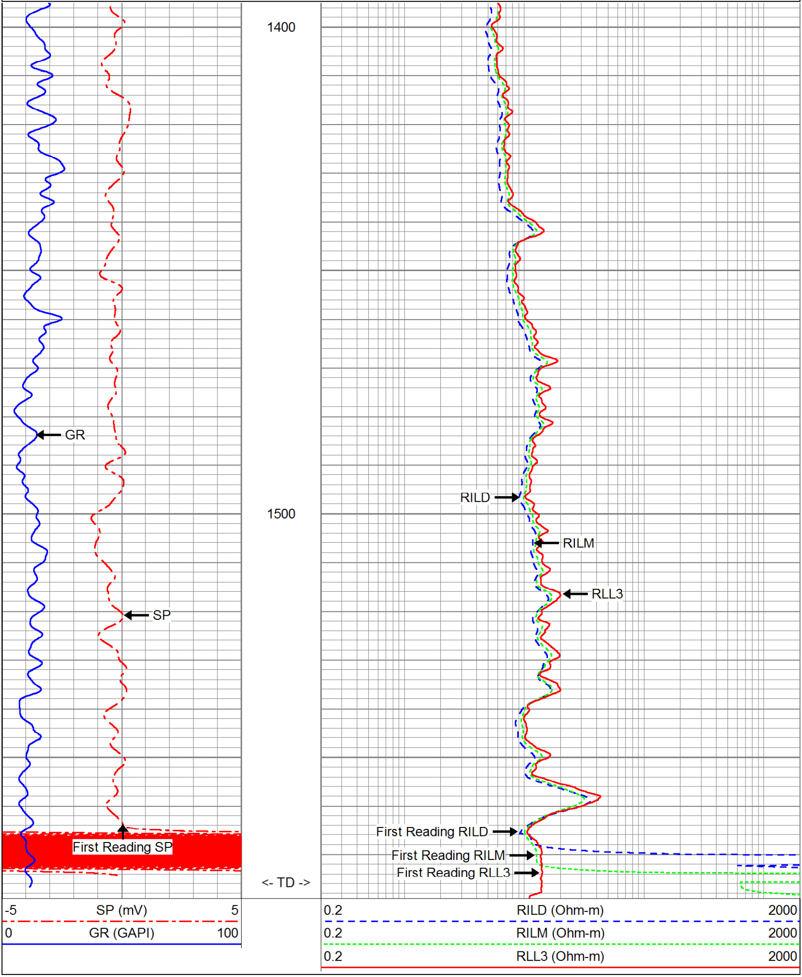


MV
Geophysical

REPEAT SECTION

Database File:	fddavie1.db
Dataset Pathname:	run4/REPEAT
Presentation Format:	dil-5
Dataset Creation:	Thu Jun 28 14:59:49 2012
Charted by:	Depth in Feet scaled 1:240

-5	SP (mV)	5	0.2	RILD (Ohm-m)	2000
0	GR (GAPI)	100	0.2	RILM (Ohm-m)	2000
			0.2	RLL3 (Ohm-m)	2000



Calibration Report

Database File: fddavie1.db
Dataset Pathname: run4/pass20
Dataset Creation: Thu Jun 28 19:37:42 2012 by Log VER_5.3

Dual Induction Calibration Report

Serial-Model: 5390-R
Surface Cal Performed: Tue Jan 17 16:39:01 2012
Downhole Cal Performed: Tue Jan 17 16:39:14 2012
After Survey Verification Performed: Wed Apr 21 11:04:55 2010

Surface Calibration

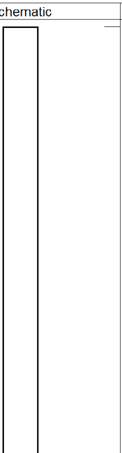
	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.051	0.645	V	0.000	400.000	mmho-m	673.401	-34.343
Medium	0.018	0.735	V	0.000	464.000	mmho-m	647.121	-11.545
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.641	V	0.000	400.000	mmho-m	635.021	-7.049
Medium	0.005	0.739	V	0.000	464.000	mmho-m	632.408	-3.370

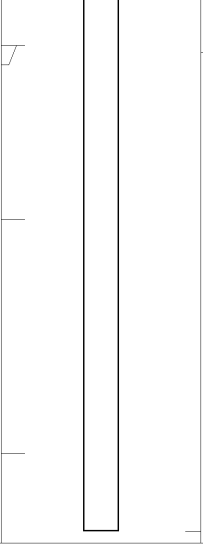
Downhole Calibration

	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	2.514	0.025	V	494.500	2.000	Ohm-m	197.887	-3.007

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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
						



CILD	10.60	DIL-R (5390)	20.90	4.00	345.00
SP	10.60				
CILM	6.80				
RLL3	1.70				

Dataset: fddavie1.db: field/well/run4/pass20
Total Length: 20.90 ft
Total Weight: 345.00 lb
O.D. 4.00 in

MV
Geophysical

Company	Florida Design Drilling Corp.
Well	PW-1
Field	Davie
County	Broward
State	Florida
Country	USA