MV Geophysical

FLOWMETER LOG

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	
Log Measured From	G.L.		
Drilling Measured From	G.L.		

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

Date	28-JUN-2012		
Run Number	FOUR		
Depth Driller	1576'		
Depth Logger	1576'		
Bottom Logged Interval	1576'		
Top Log Interval	820'		
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	17:15 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 *

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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

STATIC and DYNAMIC down passes were made at 50 fpm.

10x station performed.

Q =~1120 gpm

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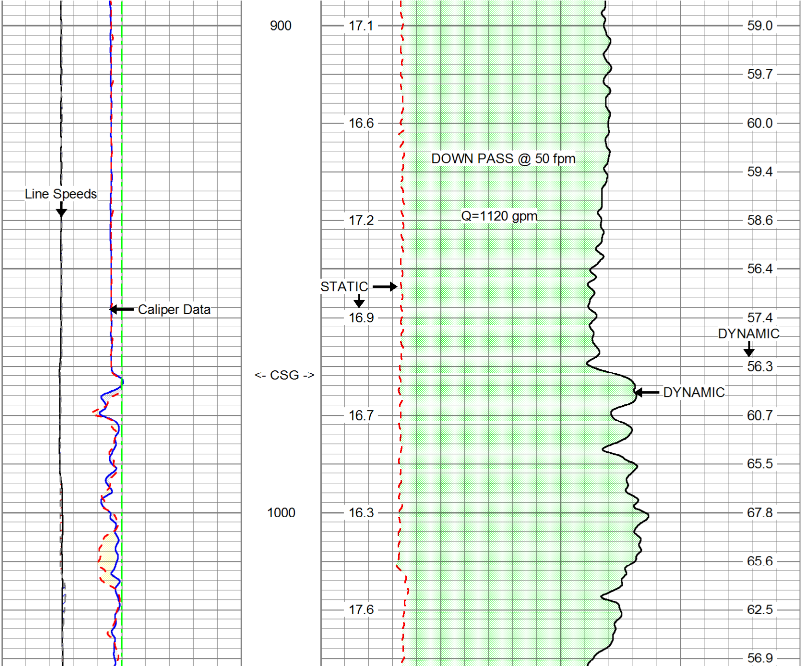
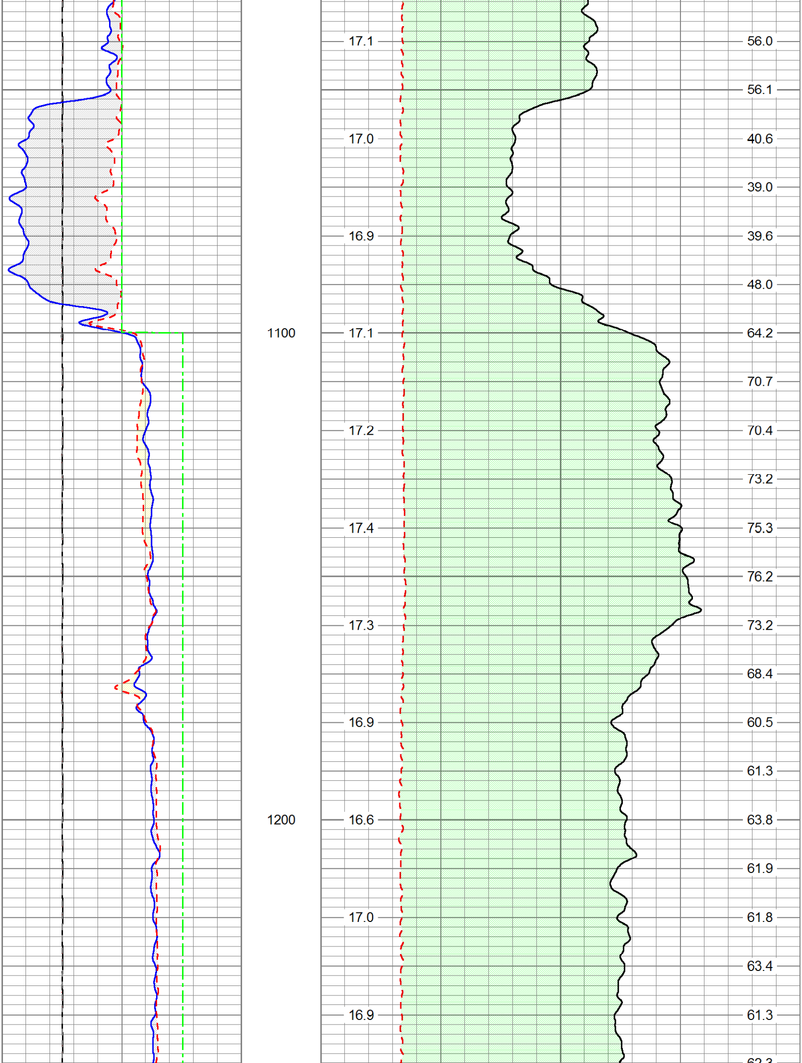
S/D DOWN @ 50 fpm

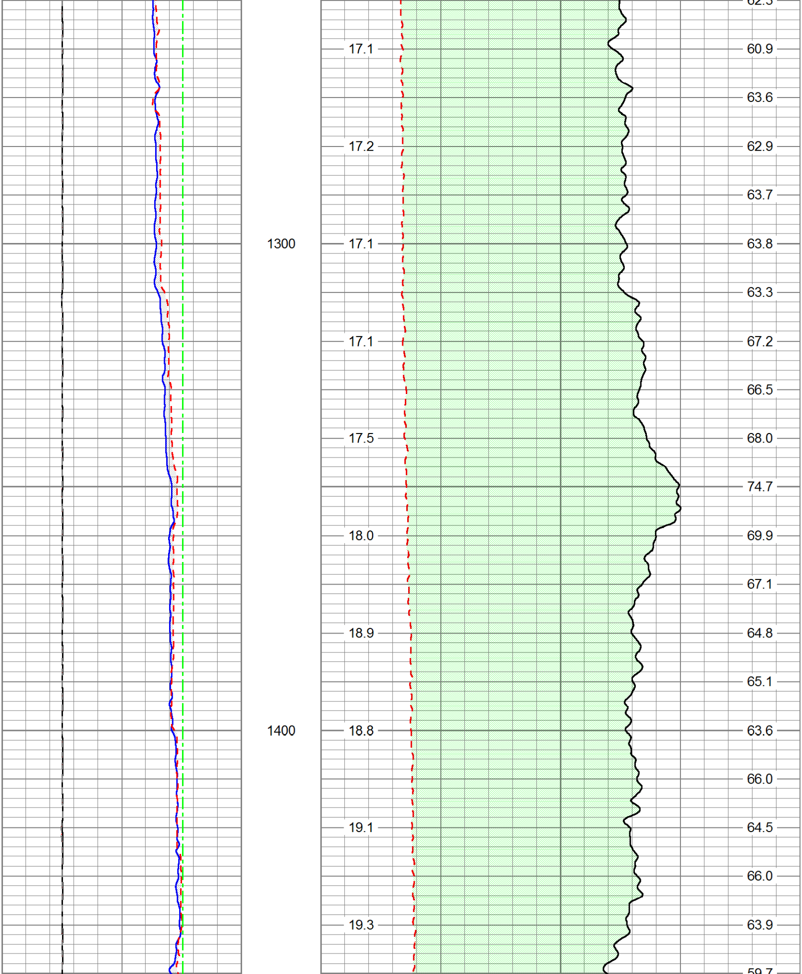
Database File:	fddavie1.db
Dataset Pathname:	run4/SD50
Presentation Format:	q-100
Dataset Creation:	Thu Jun 28 17:40:04 2012
Charted by:	Depth in Feet scaled 1:240

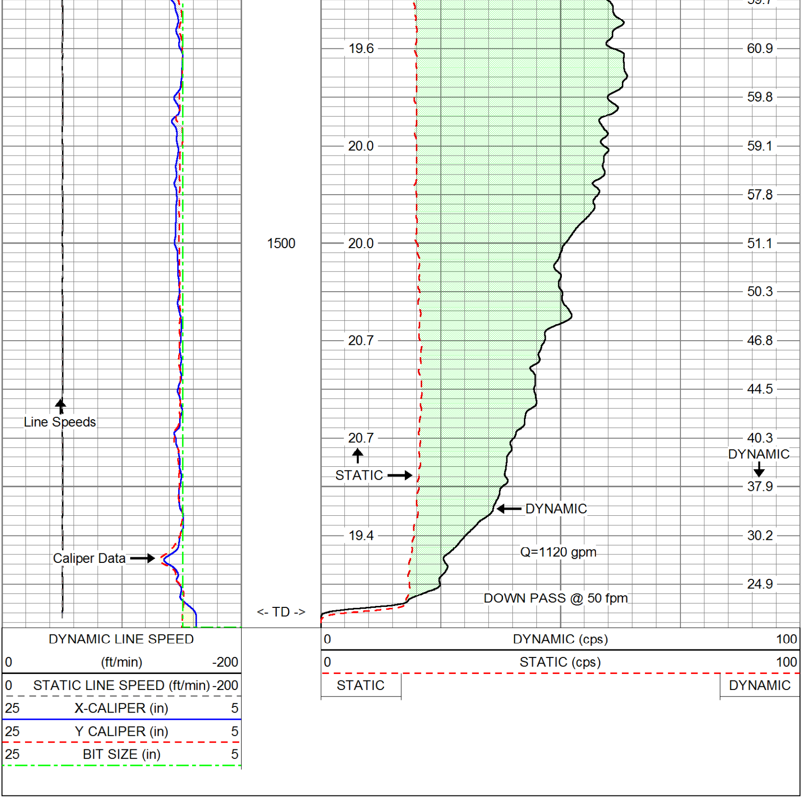
DYNAMIC LINE SPEED
0 (ft/min) -200
0 STATIC LINE SPEED (ft/min) -200
25 X-CALIPER (in) 5
25 Y CALIPER (in) 5
25 BIT SIZE (in) 5

0 DYNAMIC (cps) 100
0 STATIC (cps) 100
STATIC
DYNAMIC









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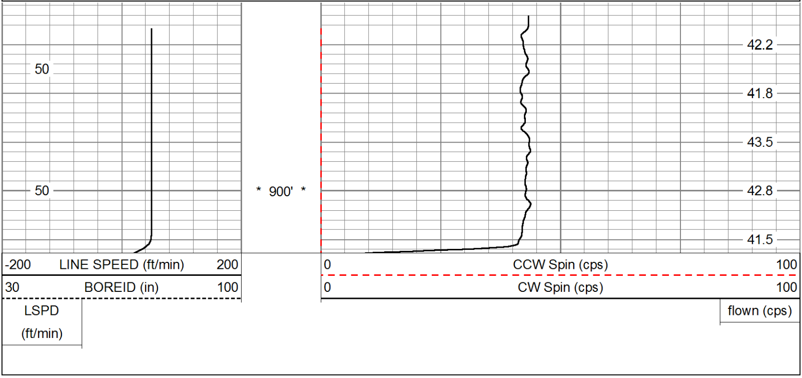
Station #10: 900'

Database File: fddavie1.db
Dataset Pathname: run4/pass16
Presentation Format: flow
Dataset Creation: Thu Jun 28 18:08:54 2012 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240

-200	LINE SPEED (ft/min)	200	0	CCW Spin (cps)	100
30	BOREID (in)	100	0	CW Spin (cps)	100

LSPD
(ft/min)

flown (cps)



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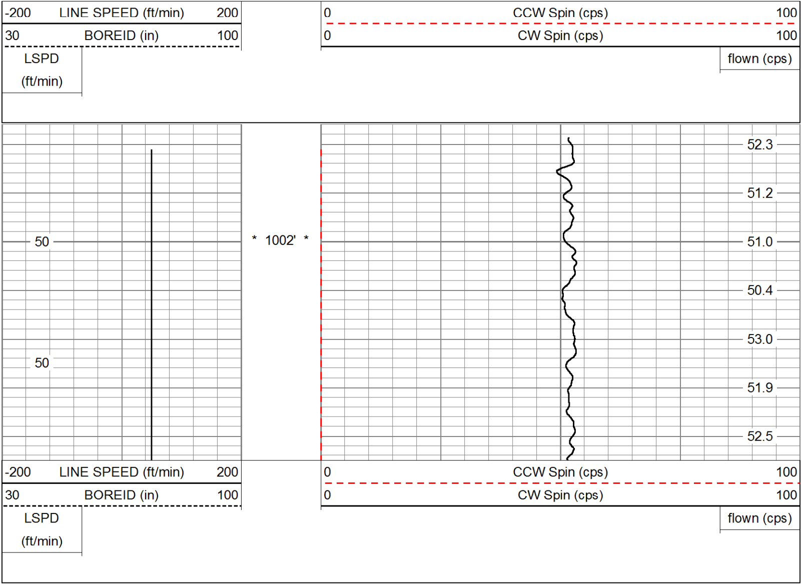
Station #9: 1002'

Database File:	fddavie1.db
Dataset Pathname:	run4/pass15
Presentation Format:	flow
Dataset Creation:	Thu Jun 28 18:05:08 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



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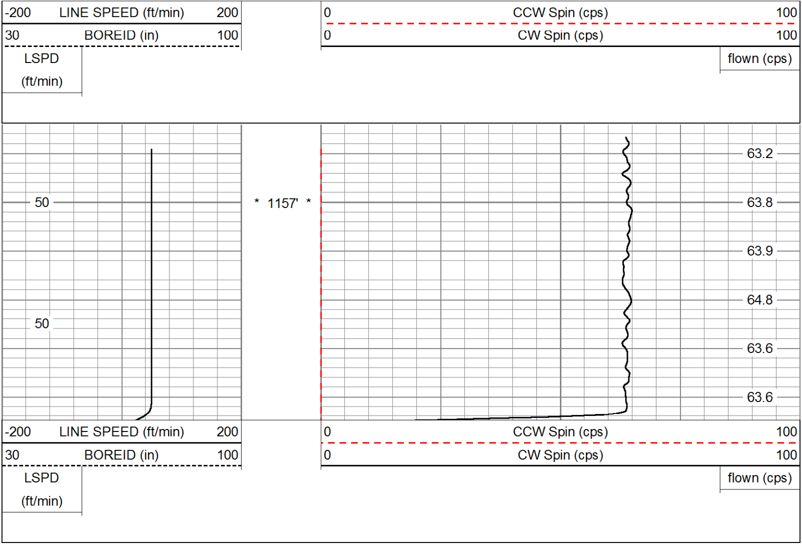
Station #8: 1157'

Database File:	fddavie1.db
Dataset Pathname:	run4/pass14
Presentation Format:	flow
Dataset Creation:	Thu Jun 28 18:01:15 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



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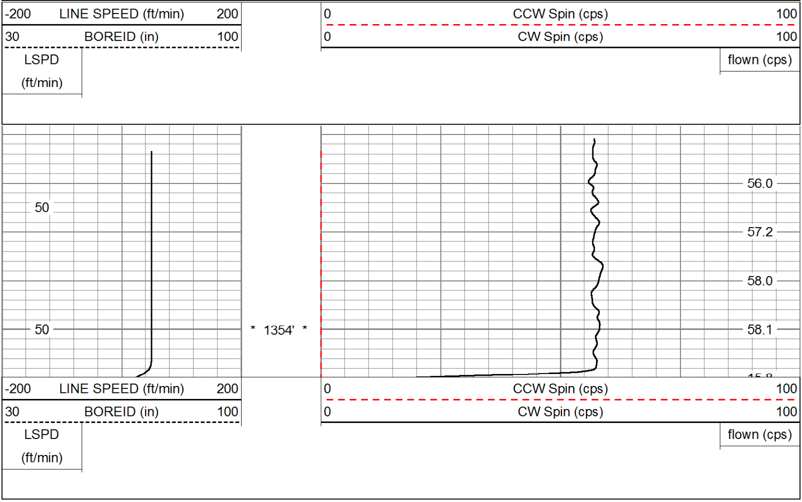
Station #7: 1354'

Database File:	fddavie1.db
Dataset Pathname:	run4/pass13
Presentation Format:	flow
Dataset Creation:	Thu Jun 28 17:56:57 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



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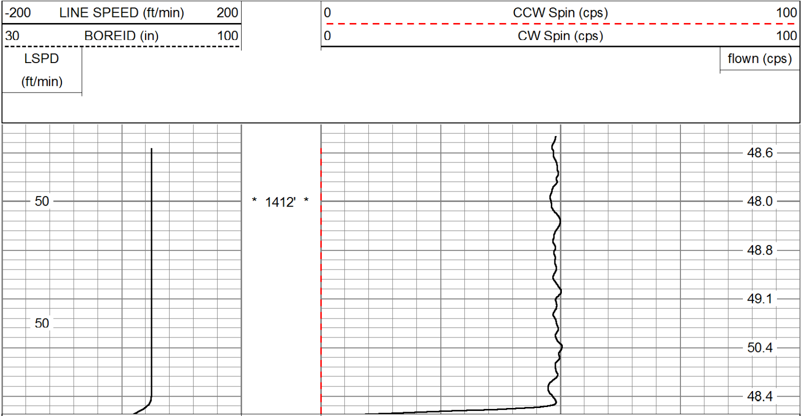
Station #6: 1412'

Database File: fddavie1.db
Dataset Pathname: run4/pass12
Presentation Format: flow
Dataset Creation: Thu Jun 28 17:54:17 2012 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD
(ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)

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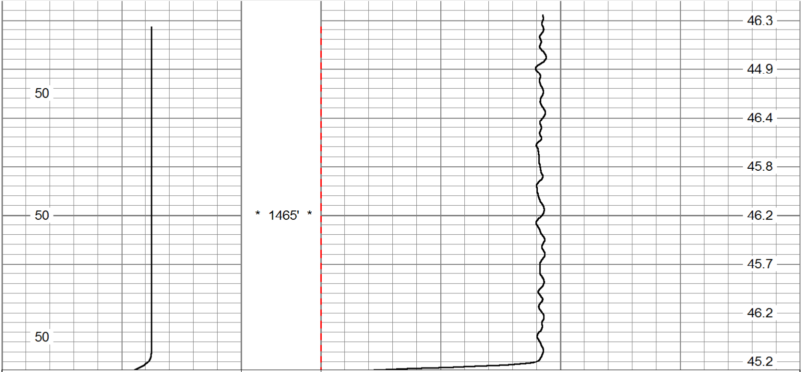
Station #5: 1465'

Database File:	fddavie1.db
Dataset Pathname:	run4/pass11
Presentation Format:	flow
Dataset Creation:	Thu Jun 28 17:51:31 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240

-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD
(ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)



-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD
(ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)

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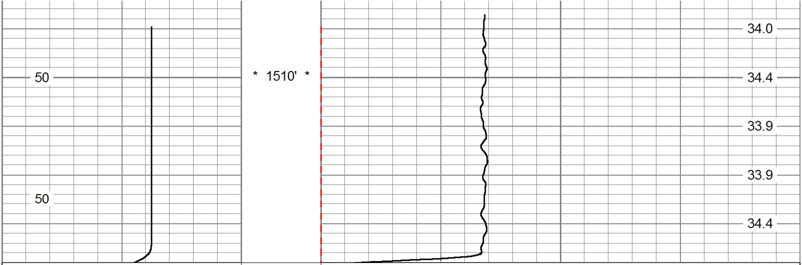
Station #4: 1510'

Database File: fddavie1.db
Dataset Pathname: run4/pass10
Presentation Format: flow
Dataset Creation: Thu Jun 28 17:49:23 2012 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240

-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD (ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)



-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD (ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)

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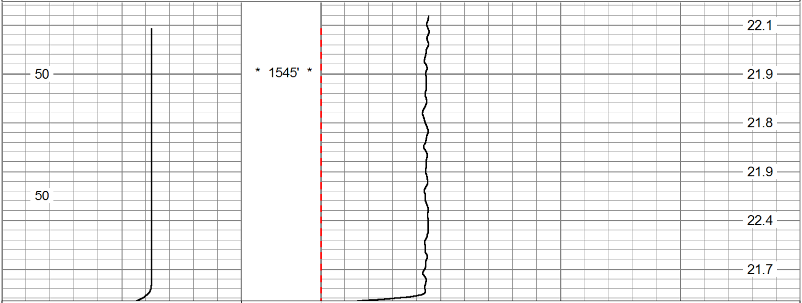
Station #3: 1545'

Database File: fddavie1.db
Dataset Pathname: run4/pass9
Presentation Format: flow
Dataset Creation: Thu Jun 28 17:47:13 2012 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240

-200 LINE SPEED (ft/min) 200
30 BOREID (in) 100
LSPD (ft/min)

0 CCW Spin (cps) 100
0 CW Spin (cps) 100
flown (cps)



-200 LINE SPEED (ft/min) 200

30 BOREID (in) 100

LSPD
(ft/min)

0 CCW Spin (cps) 100

0 CW Spin (cps) 100

flown (cps)

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Station #2: 1560'

Database File:	fddavie1.db
Dataset Pathname:	run4/pass8
Presentation Format:	flow
Dataset Creation:	Thu Jun 28 17:45:40 2012 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240

-200 LINE SPEED (ft/min) 200

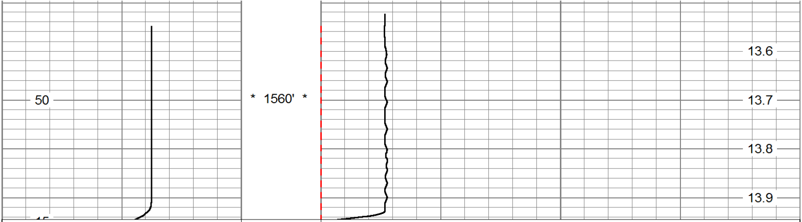
30 BOREID (in) 100

LSPD
(ft/min)

0 CCW Spin (cps) 100

0 CW Spin (cps) 100

flown (cps)



-200 LINE SPEED (ft/min) 200

30 BOREID (in) 100

LSPD
(ft/min)

0 CCW Spin (cps) 100

0 CW Spin (cps) 100

flown (cps)

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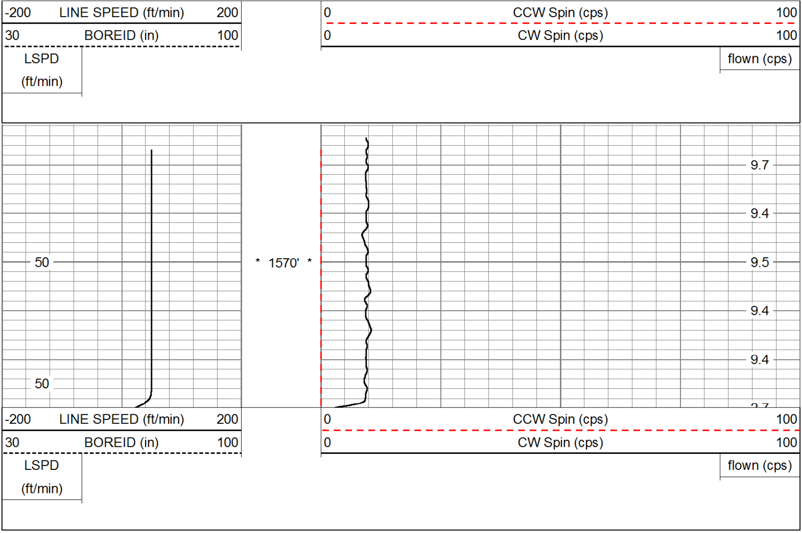
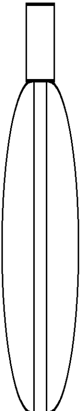
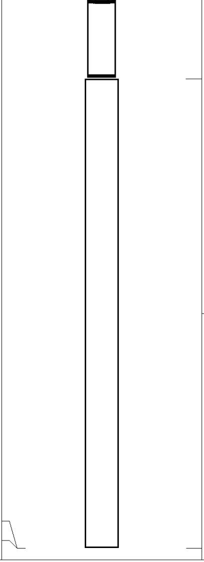
Station #1: 1570'

Database File: fddavie1.db
Dataset Pathname: run4/pass7
Presentation Format: flow
Dataset Creation: Thu Jun 28 17:43:33 2012 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-5FOOTSB (5FTSB)	5.00	1.69	50.00

FLOWP FLOWN	0.00 0.00		FLOW-LARGE (65)	4.80	3.75	35.00

Dataset: fddavie1.db: field/well/run4/pass15
Total Length: 9.80 ft
Total Weight: 85.00 lb
O.D. 3.75 in

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