

Company: SEACOAST UTILITY AUTHORITY
Well: FLORIDAN AQUIFER WELL #3
Field: 4200 HOOD ROAD
County: PALM BEACH
State: FLORIDA

Location: PALM BEACH, FLORIDA
API #:

SEC: TWP
RGE:
Elevation:
K.B.:
D.F.:
G.L.:

Run Number: 06-MAR-2009
Date: 06-MAR-2009
Depth Diller: ONE
Depth Logger: 195
Bottom Logged Interval: 197
Top Log Interval: SURFACE

Time Log: SURFACE
Time Log Size: MID
Time Log Interval: MID
Time Log Frequency: N/A
Time Log Recorded Temp: N/A
Estimated Cement Top: N/A
Time Log on Bottom: ON ARRIVAL
Time Log on Bottom: 00:00
Equipment Number: VA-203
Recorded By: JUPITER
Witnessed By: J.FRIEDRICHS

Run Number: 35
Run Date: SURFACE
Run Time: 199
Run Size: 199
Run Weight: 199
Run From: Top
Run To: Bottom

Casing Record:
Surface String:
Production String:

Company: SEACOAST UTILITY AUTHORITY
Well: FLORIDAN AQUIFER WELL #3
Field: 4200 HOOD ROAD
County: PALM BEACH
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Location: PALM BEACH, FLORIDA
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Recorded By: JUPITER
Witnessed By: J.FRIEDRICHS

Run Number: 35
Run Date: SURFACE
Run Time: 199
Run Size: 199
Run Weight: 199
Run From: Top
Run To: Bottom

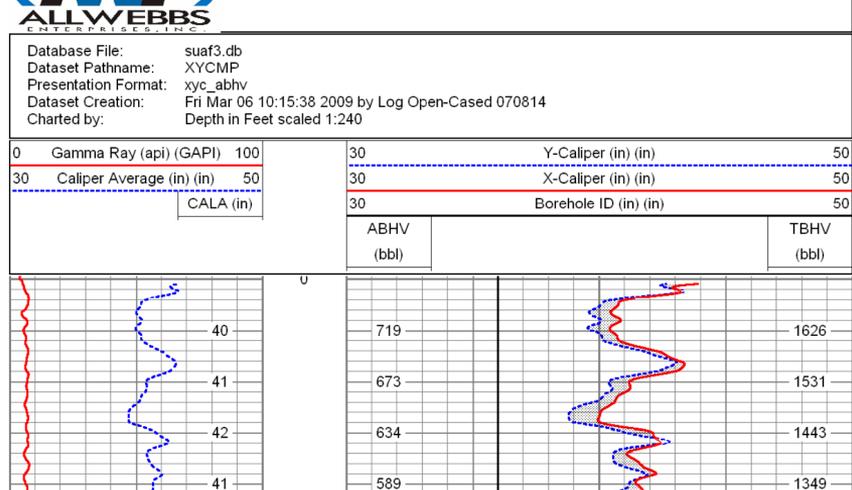
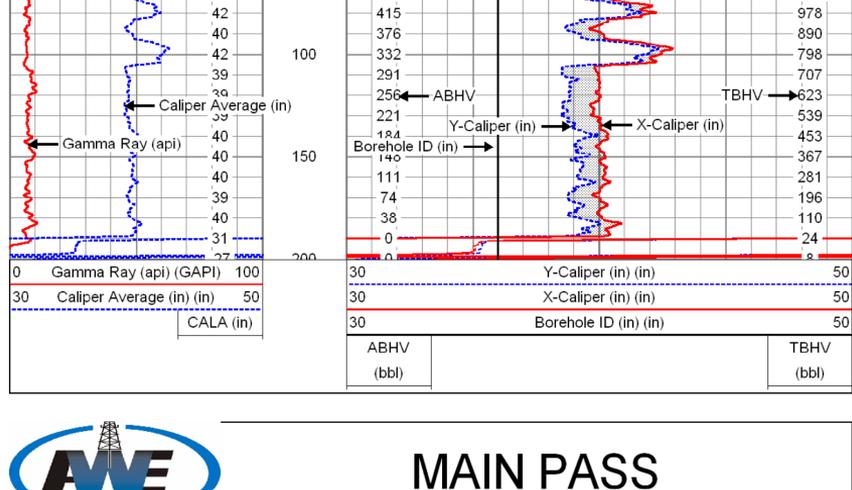
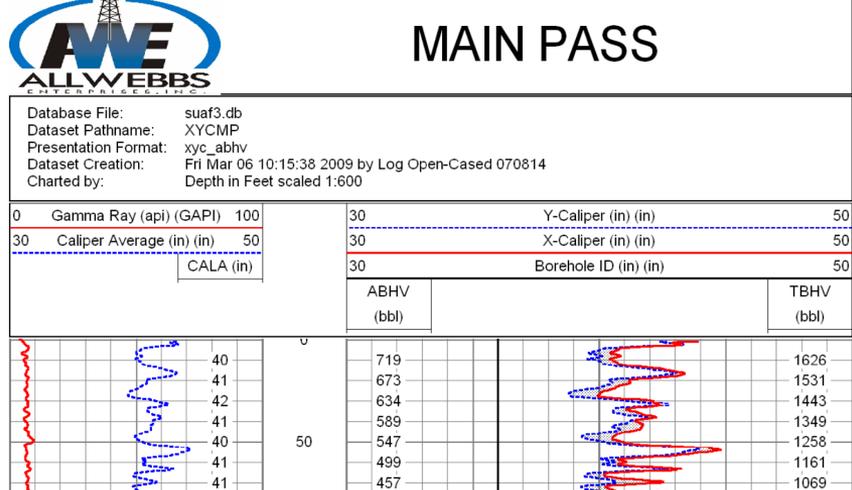
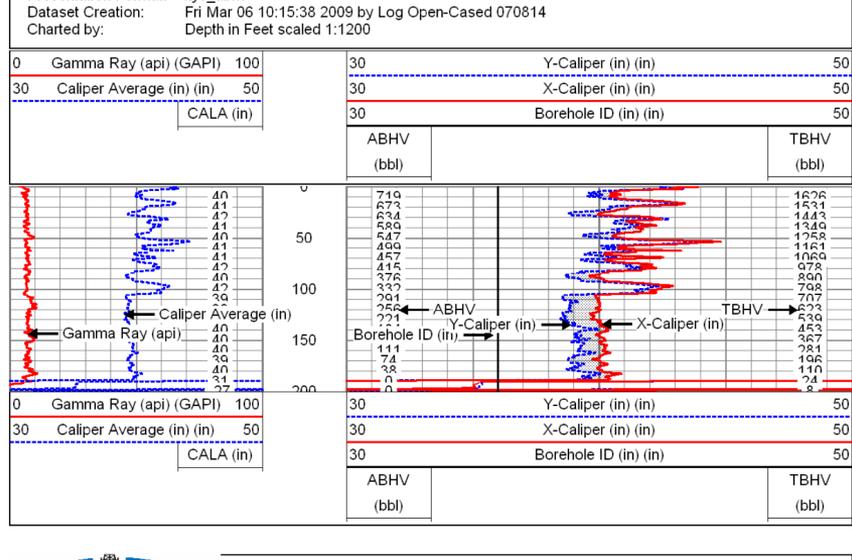
Casing Record:
Surface String:
Production String:

X-Y CALIPER
GAMMA RAY
LOG

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Comments

DIL/LL3/SP
 ABHV COMPUTED WITH 30" CASING
 (BBLs)



Calibration Report

Database File: suaf3.db
 Dataset Pathname: XYCMP
 Dataset Creation: Fri Mar 06 10:15:38 2009 by Log Open-Cased 070814

XY Caliper Calibration Report

Serial Number/Model: SDSDEMO-XY
 Performed: Fri Mar 06 09:58:53 2009

Ring	X Caliper	Y Caliper
1: 10 in	366.522 cps	354.239 cps
2: 20 in	466.162 cps	443.135 cps
3: 30 in	569.514 cps	558.486 cps
4: 40 in	677.5 cps	674.13 cps
5: 50 in	886.522 cps	895.435 cps
6: in		

Gamma Ray Calibration Report

Serial Number: SDS
 Tool Model: SDSGR
 Performed: Tue Jul 29 08:13:26 2008

Calibrator Value: 120.0 GAPI

Background Reading: 85.9 cps
 Calibrator Reading: 869.9 cps

Sensitivity: 0.1531 GAPI/cps

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-SDSCHED (SDS) Cable Head	1.00	1.50	5.00
GR	7.33		GR-SDSGR (SDS) PROBE_GR	3.67	3.38	50.00
			XYC-XY (SDSDEMO) PROBE_XYC	6.00	3.50	100.00
XCAL	1.00					
YCAL	1.00					

Dataset: suaf3.db: field/well/run1/XYCMP
 Total Length: 10.67 ft
 Total Weight: 155.00 lb
 O.D.: 3.50 in



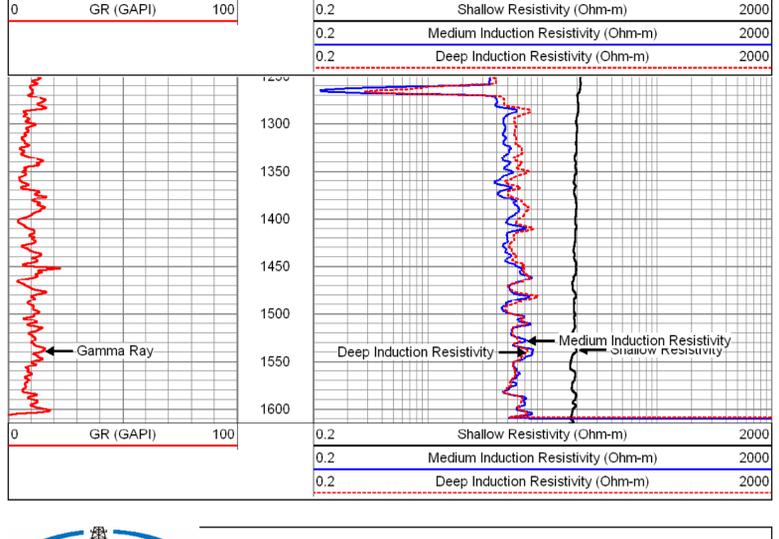
DUAL INDUCTION LOG
LL3/SP

Company	SEACOAST UTILITY AUTHORITY	Well	FLORIDAN AQUIFER WELL #3	County	PALM BEACH	State	FLORIDA
Field	4200 HOOD ROAD	Location:	FLORIDAN AQUIFER WELL #3	County	PALM BEACH	State	FLORIDA
SEC	TWP	RGE	Elevation	Other Services			
Permanent Datum	PAD	K 8	Elevation				
Log Measured From	PAD	D.F.	Elevation				
Drilling Measured From	PAD	G.L.	Elevation				
Date	11-MAY-2009	Run Number	FOUR				
Run Number	FOUR	Depth Interval	1600				
Bottom Logged Interval	CASINGS	Open Hole Interval	15.25'				
Type Fluid	MUD	Top of Fluid	NA				
Top of Fluid	NA	Measured Depth	NA				
Estimated Cement Top	NA	Estimated Cement Bottom	NA				
Time Well Ready	ON ARRIVAL	Time Logged on Bottom	00:00				
Equipment Number	JA-208	Equipment	JULIEN				
Recorded By	JULIEN	Reviewed By	J.FRIEDRICHS				
Witnessed By	J.FRIEDRICHS						
Run Number	BT	Run From	10	Size	Weight	From	To
THREE	12.25'	CASINGS	1333'				
FOUR	15.25'	CASINGS	1806'				
Casing Record	Size	Wt/LF	Top of Casing	Bottom of Casing			
Production String	1.74"	1.05' Wt/LF	1.05' Wt/LF	1.05' Wt/LF			

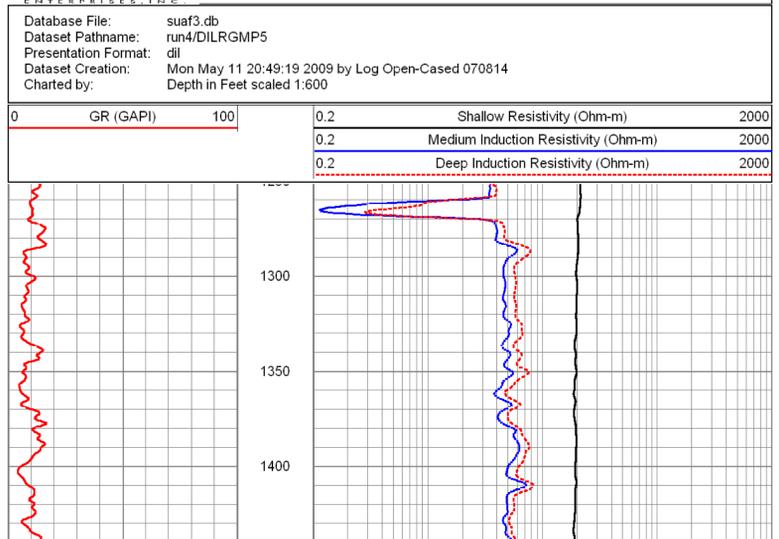
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Comments

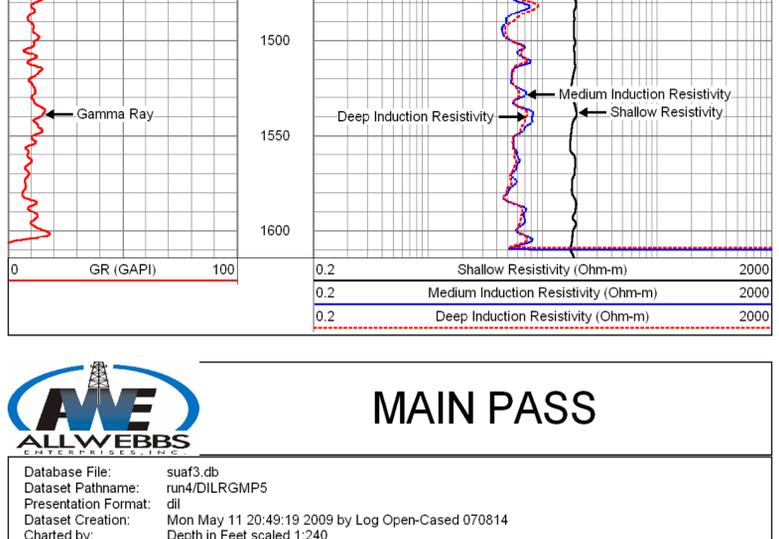
X-Y CALIPER/GAMMA RAY FLOWMETER FCT



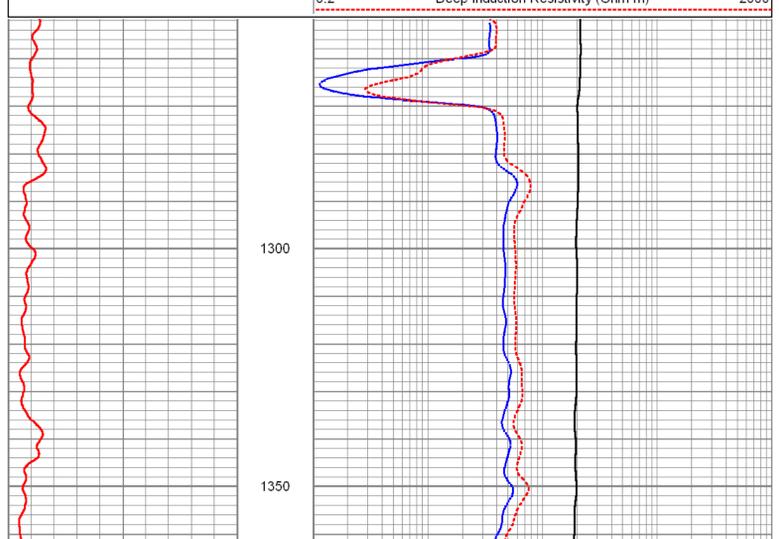
Database File: suaf3.db
Dataset Pathname: run4/DILRGMP5
Presentation Format: dil
Dataset Creation: Mon May 11 20:49:19 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:200



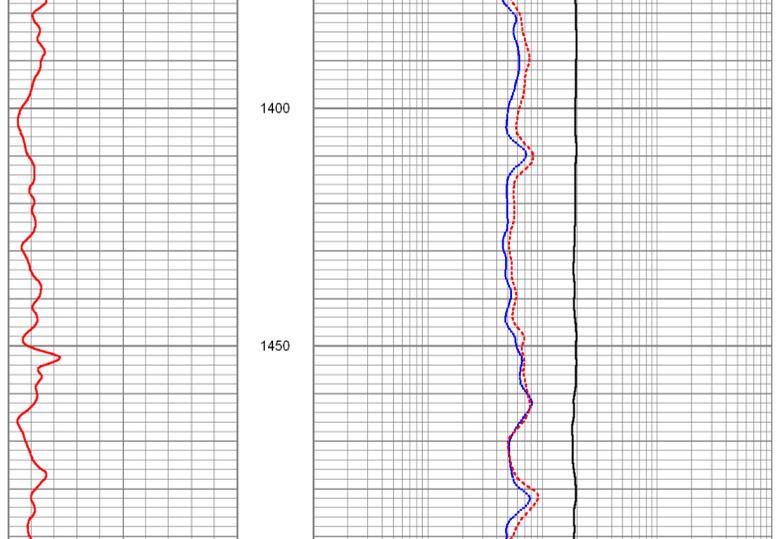
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Dataset Pathname: run4/DILRGMP5
Presentation Format: dil
Dataset Creation: Mon May 11 20:49:19 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:600



Database File: suaf3.db
Dataset Pathname: run4/DILRGMP5
Presentation Format: dil
Dataset Creation: Mon May 11 20:49:19 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240



Database File: suaf3.db
Dataset Pathname: run4/DILRGMP5
Presentation Format: dil
Dataset Creation: Mon May 11 20:41:24 2009 by Log Open-Cased 070814
Charted by: Depth in Feet scaled 1:240



Database File: suaf3.db
Dataset Pathname: run4/DILRGMP5
Dataset Creation: Mon May 11 20:49:19 2009 by Log Open-Cased 070814

Gamma Ray Calibration Report

Serial Number: 5562
Tool Model: 6CHAN
Performed: Tue Mar 31 15:51:33 2009
Calibrator Value: 120.0 GAPI
Background Reading: 10.9
Calibrator Reading: 67.1
Sensitivity: 2.1352 GAPI/

Dual Induction Calibration Report

Serial-Model: 5562-6CHAN
Surface Cal Performed:

Loop:	Readings		References		Results	
	Air	Loop	Air	Loop	m	b
Deep	32255.200	41883.100	0.000	1650.000	mmho-m	0.171 -5527.800
Medium	33313.000	50232.400	0.000	3300.000	mmho-m	0.195 -6497.450

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
GR	6.50					
CILD	2.63					
CILM	1.54					
			RGDILGR-6CHAN (5562) Robertson Geologing Dual Induction Gamma Ray	7.06	1.50	13.67

Dataset: suaf3.db: field/well/run4/DILRGMP5
Total Length: 7.06 ft
Total Weight: 13.67 lb
O.D.: 1.50 in



FLUID CONDUCTIVITY TEMPERATURE LOG

Company	SEACOAST UTILITY AUTHORITY	SEC	TWP	RGE	Elevation	Other Services
Well	FLORIDAN AQUIFER WELL #3	PERM	PAD	PAD	K.R.	
Field	4200 HOOD ROAD	LOG	PAD	PAD	D.T.	
County	PALM BEACH	DRILLING	PAD	PAD	G.L.	
State	FLORIDA					
Location:						
Company	SEACOAST UTILITY AUTHORITY					
Well	FLORIDAN AQUIFER WELL #3					
Field	4200 HOOD ROAD					
County	PALM BEACH					
State	FLORIDA					
Date	11-MAY-2009					
Run Number	FOUR					
Depth Driller	1606					
Depth Logger	1606					
Bottom Logged Interval	1606					
Top Logged Interval	CASING					
Open Hole Size	15.25"					
Type Fluid	WATER					
Density/Viscosity	NA					
Max. Recorded Temp.	69.8 DEGF					
Estimated Cement Top	NA					
Time Well Ready	ON ARRIVAL					
Time Logger on Bottom	00:00					
Equipment Number	V/A-203					
Location	JUPITER					
Recorded By	LEE					
Witnessed By	J. FRIEDRICH					
Run Number	ONE					
Bit	36"					
From	SURFACE					
To	195'					
Run Number	TWO					
Bit	12.25"					
From	CASING					
To	1333'					
Run Number	THREE					
Bit	26"					
From	CASING					
To	1271'					
Run Number	FOUR					
Bit	15.25"					
From	CASING					
To	1606'					
Casing Record	Size	Wd/Ft	Top SURFACE SURFACE	Bottom		
Surface String	30"	3.76 W.T.	195'	195'		
Prot. String	17.4"	1.05" W.T.		1288'		
Production String						
Liner						

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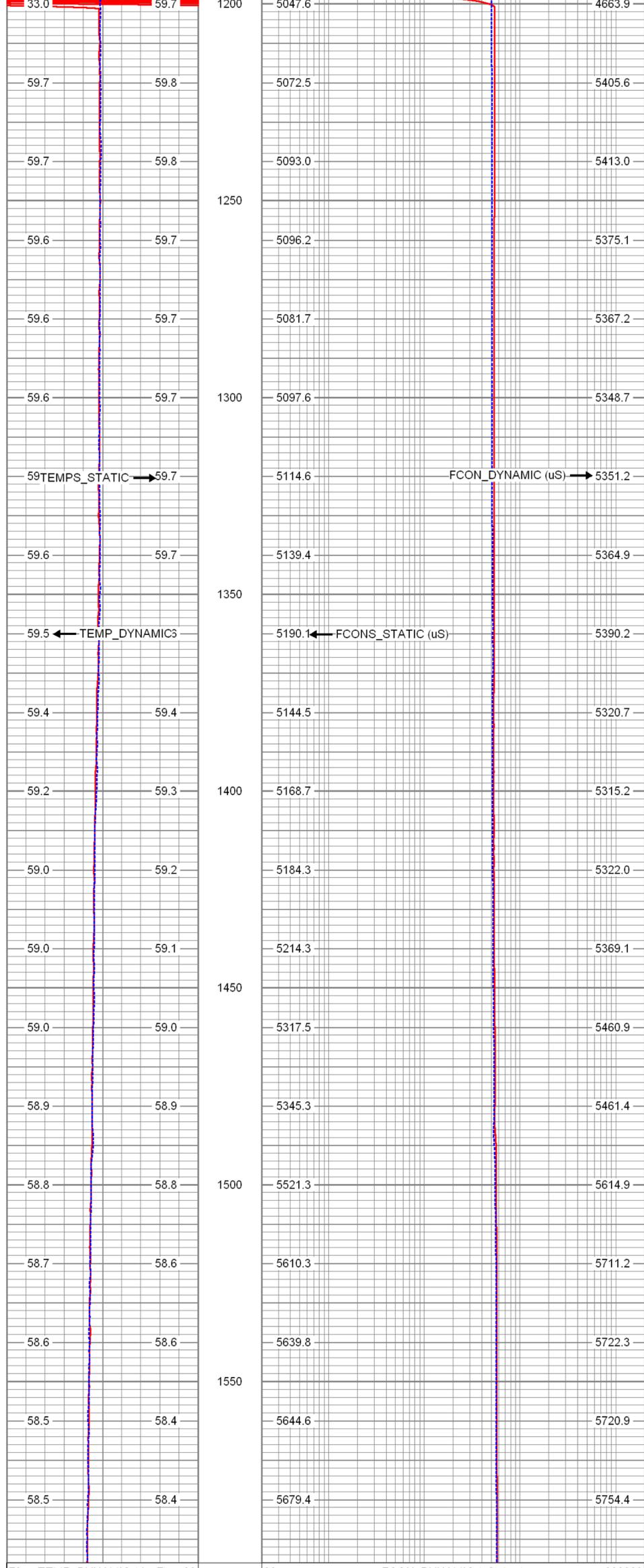
Comments

X-Y CALIPER/GAMMA RAY
DIL/LL3/SP
FLOWMETER

FLOWRATE=1,900 GPM

Database File: suaf3.db
Dataset Pathname: run4/FCTD
Presentation Format: fct
Dataset Creation: Mon May 11 21:37:55 2009 by Log Open-Cased 071220
Charted by: Depth in Feet scaled 1:240

70 TEMP_DYNAMIC (degF)	90	20 FCON_DYNAMIC (uS) (um)	200000
70 TEMPS_STATIC (degF)	90	20 FCONS_STATIC (uS) (um)	200000
MP_DYNAM (degF)	MP_STATIC (degF)	CONS_STATIC (um)	ON_DYNAM (um)



70 TEMP_DYNAMIC (degF)	90	20 FCON_DYNAMIC (uS) (um)	200000
70 TEMPS_STATIC (degF)	90	20 FCONS_STATIC (uS) (um)	200000
MP_DYNAM (degF)	MP_STATIC (degF)	CONS_STATIC (um)	ON_DYNAM (um)

Calibration Report

Database File: suaf3.db
Dataset Pathname: run4/FCTD
Dataset Creation: Mon May 11 21:37:55 2009 by Log Open-Cased 071220

Temperature Calibration Report

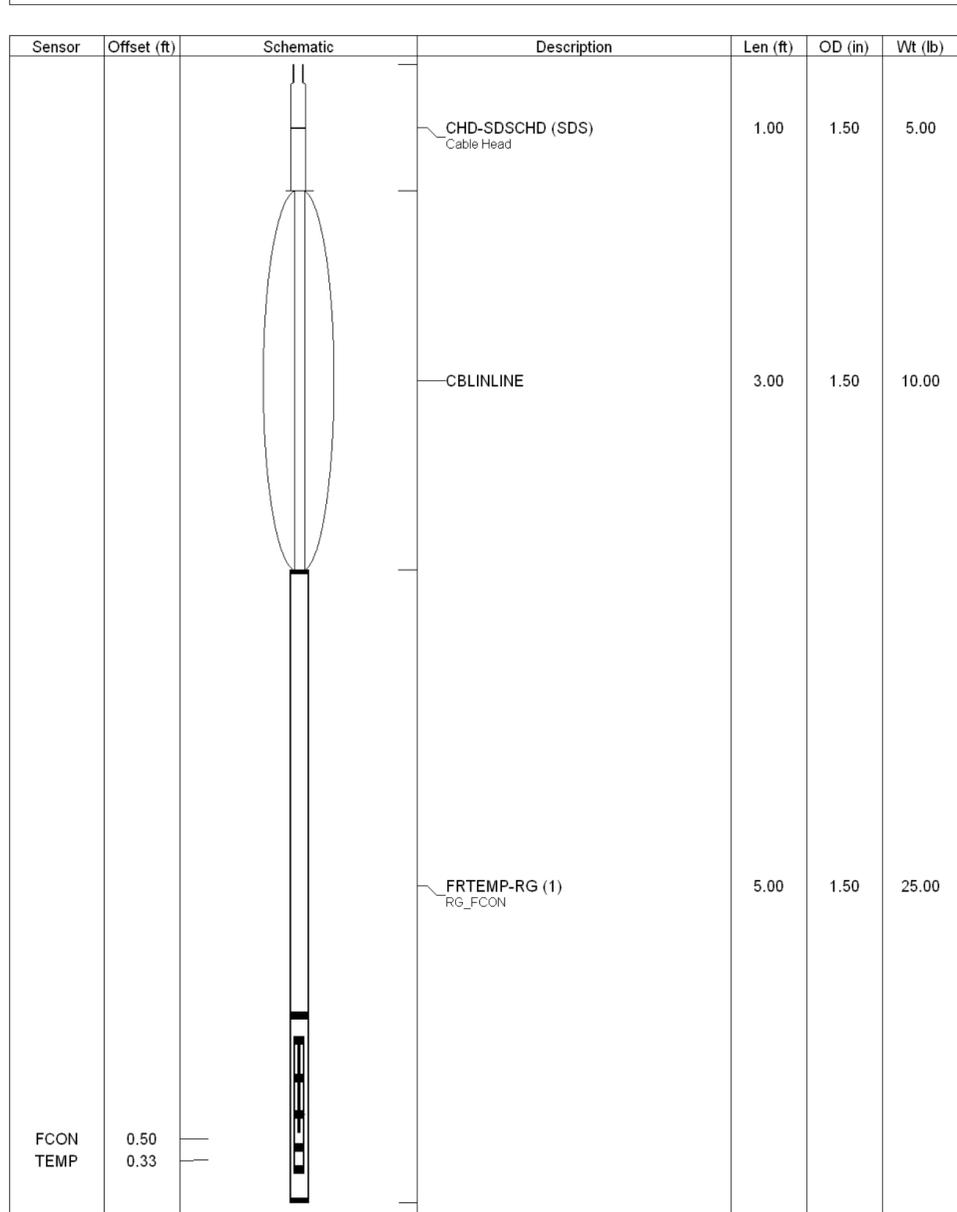
Serial Number:	1
Tool Model:	RG
Performed:	Wed Jul 23 14:04:42 2008

Point #	Reading	Reference
1	5464.36	36.00 degF
2	7101.07	72.00 degF
3	11403.00	118.00 degF
4		degF
5		degF
6		degF
7		degF
8		degF
9		degF
10		degF

Calibration Report

Serial Number:	1
Tool Model:	RG
Performed:	Thu Jun 05 14:38:47 2008

Reference (um)	Reading ()
1000.000	1441.540
10000.000	9666.960
25000.000	24443.400
50000.000	41928.200





FLOWMETER LOG

Company	SEACOAST UTILITY AUTHORITY		
Well	FLORIDAN AQUIFER WELL #3		
Field	4200 HOOD ROAD		
County	PALM BEACH		
State	FLORIDA		
Location:	API #:		
SEC	TWP	RGE	Elevation
Permanent Datum	PAD		K.B. D.F. G.L.
Log Measured From	PAD		
Drilling Measured From	PAD		
Date	11-MAY-2009		
Run Number	FOUR		
Depth Driller	1606'		
Depth Logger	1606'		
Bottom Logged Interval	1606'		
Top Log Interval	CASING		
Open Hole Size	15.25"		
Type Fluid	WATER		
Density / Viscosity	NA		
Max. Recorded Temp.	59.8 DEGF		
Estimated Cement Top	NA		
Time Well Ready	ON ARRIVAL		
Time Logger on Bottom	00:30		
Equipment Number	VA-203		
Location	JUPITER		
Recorded By	LEE		
Witnessed By	J. FRIEDRICHS		

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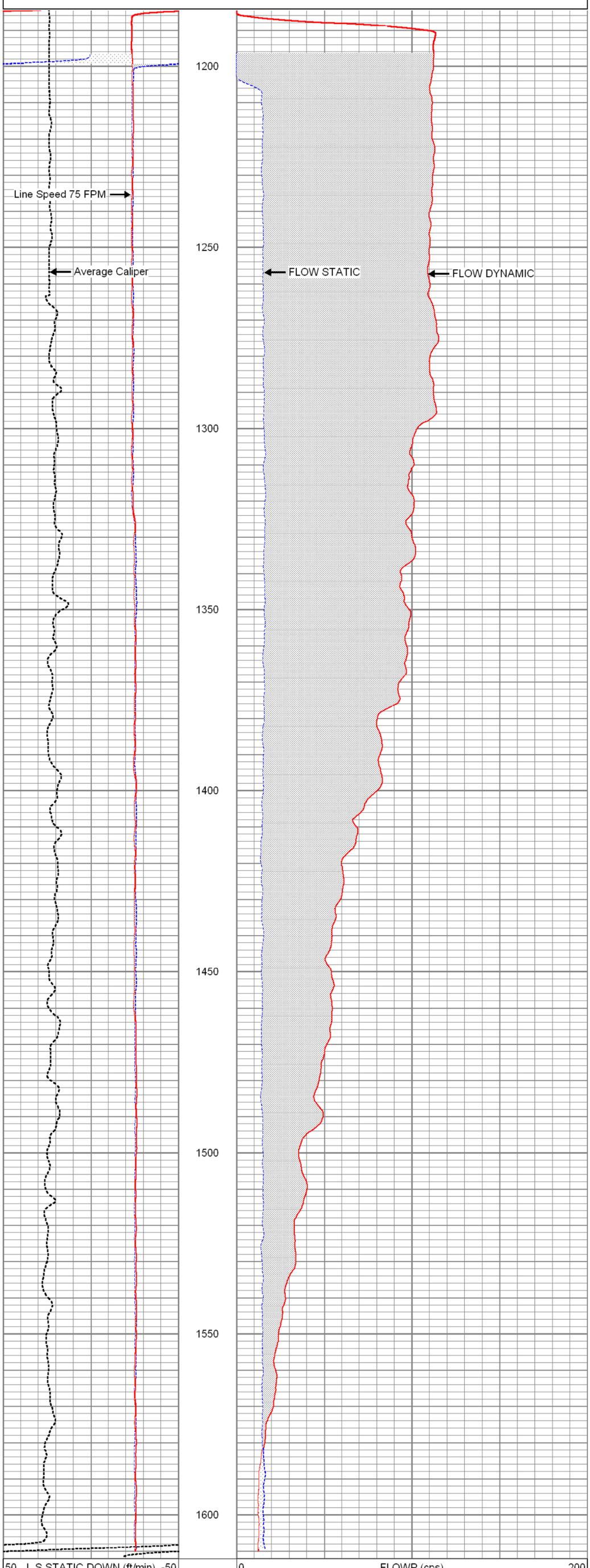
Comments

X-Y CALIPER/GAMMA RAY
DIL/LL3/SP
FCT

FLOWRATE=1,900 GPM

Database File: suaf3.db
 Dataset Pathname: run4/FMD
 Presentation Format: flow_mg
 Dataset Creation: Mon May 11 22:31:16 2009 by Log Open-Cased 071220
 Charted by: Depth in Feet scaled 1:240

50	L.S STATIC DOWN (ft/min)	-50	0	FLOWP (cps)	200
L.S DYNAMIC DOWN			0	FLOWPS (cps)	200
50	(ft/min)	-50			
10	Average Caliper (in)	30			



50	L.S STATIC DOWN (ft/min)	-50	0	FLOWP (cps)	200
L.S DYNAMIC DOWN			0	FLOWPS (cps)	200
50	(ft/min)	-50			
10	Average Caliper (in)	30			

Dataset: suaf3.db: field/well/run4/FMD
 Total Length: 7.00 ft
 Total Weight: 40.00 lb
 O.D.: 1.69 in