MV
Geophysical

X-Y CALIPER
GAMMA RAY
LOG

Company	Rowe Drilling Company, Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv .	Florida

Location
LAT.: N27 12' yy.y"
LONG.: W80 28' xx.x"
S-65A Canal - SFWMD

Other Services
DIL/SP
BHC/VDL

Permanent Datum	G.L.	Elevation	
Log Measured From	G.L.		
Drilling Measured From	G.L.		

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

Date	15-AUG-2005		
Run Number	ONE		
Depth Driller	366'		
Depth Logger	364'		
Bottom Logged Interval	364'		
Top Log Interval	42'		
Open Hole Size	12.25"		
Type Fluid	MUD		
Density / Viscosity	8.5/39		
Max. Recorded Temp.	na		
Estimated Cement Top	NA		
Time Well Ready	17:00 8/15/05		
Time Logger on Bottom	18:00 8/15/05		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Anderson (SFWMD)	B.Crosby (RWD)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
			364' Logger				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String				
Production String				
Liner				
Invoice No.	2005149	P.O. #:	Job No.:	* FIELD PRINT *

Company	Rowe Drilling Co., Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv	Florida

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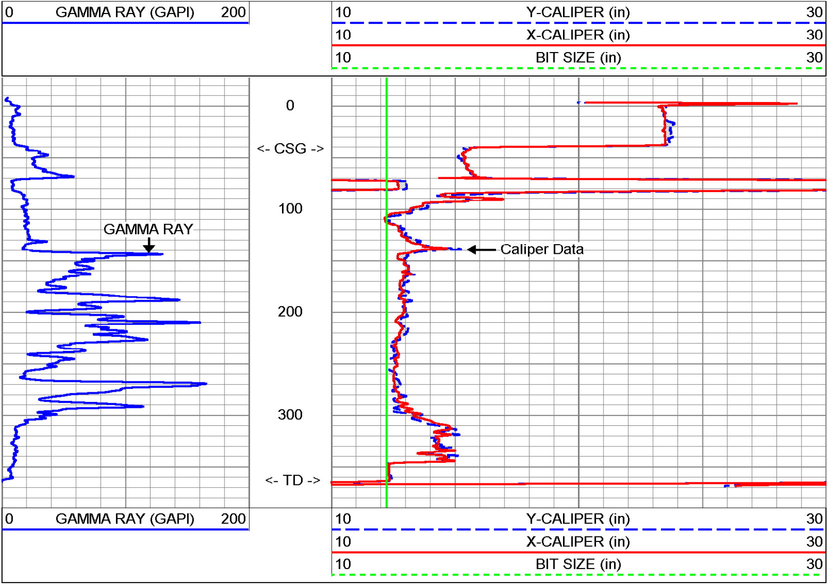
Comments

X-Y Caliper Arm Extensions: 33"

MV Geophysical

MAIN PASS

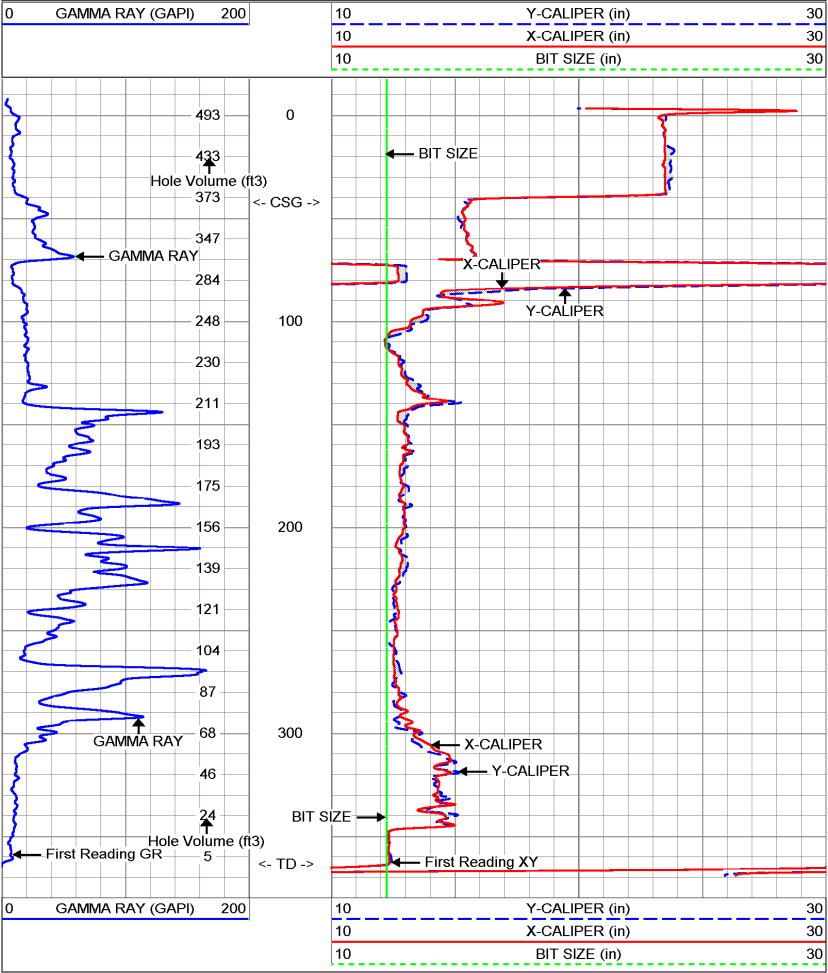
Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: XY103021
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:1200



MV Geophysical

MAIN PASS

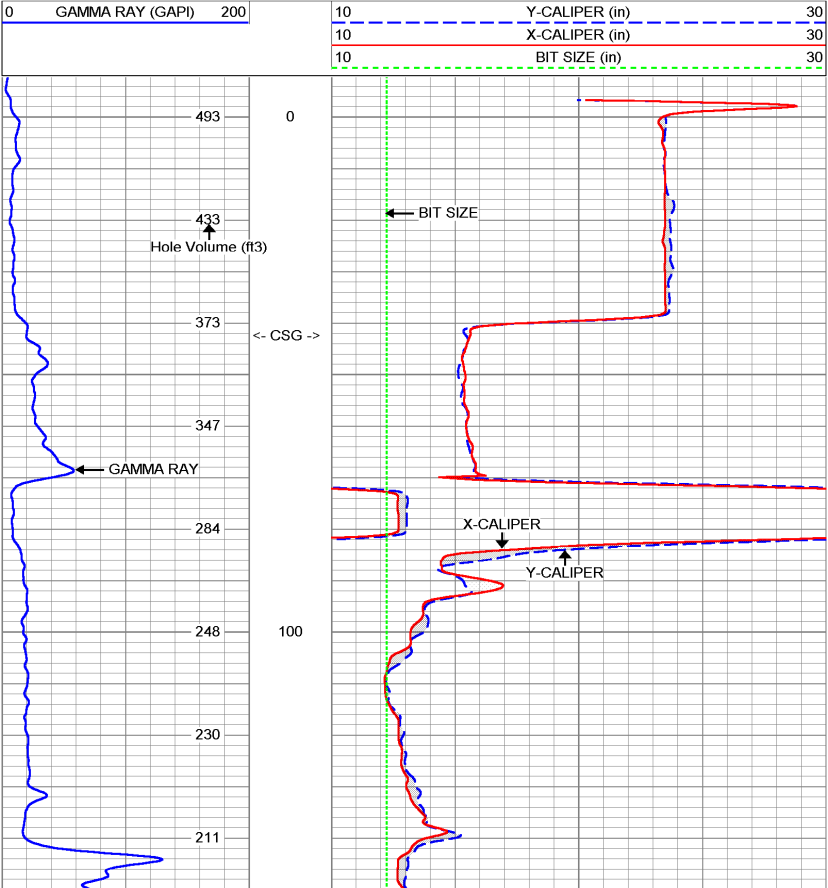
Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: XY103025
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:600

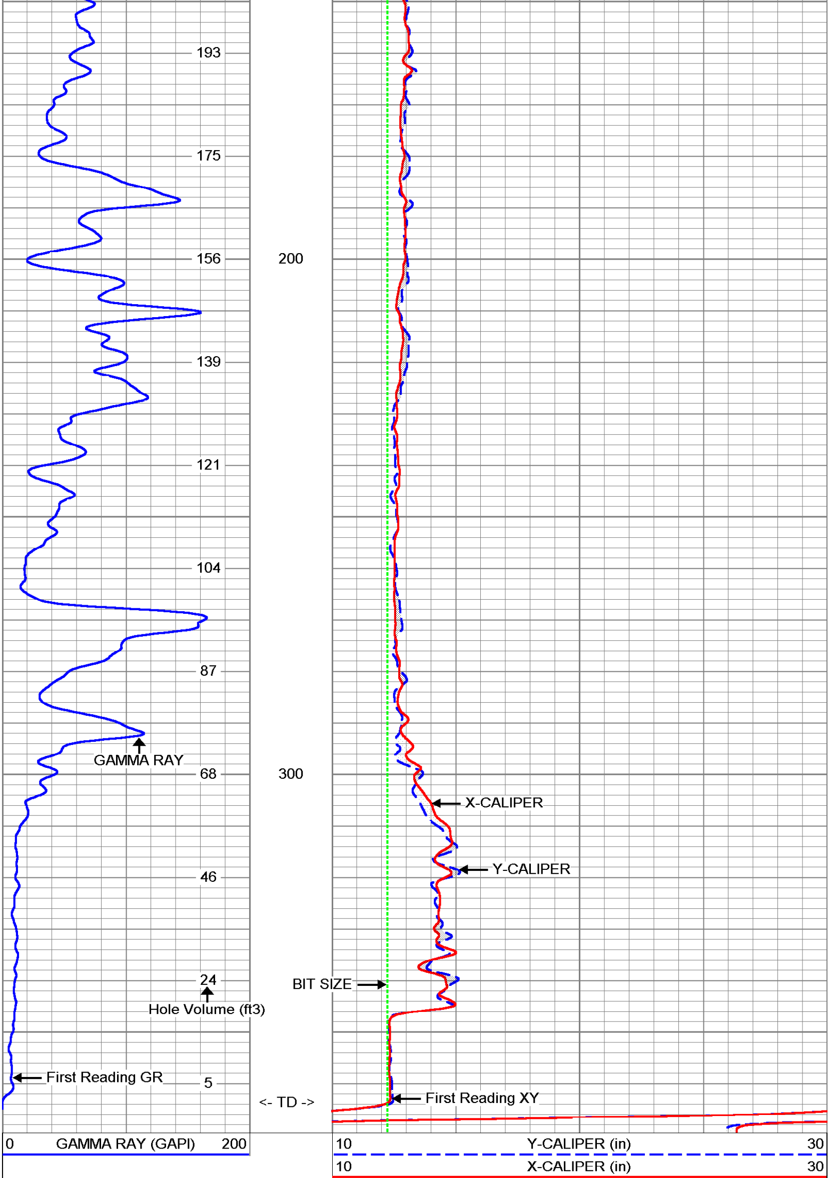


MV Geophysical

MAIN PASS

Database File:	osf-104.db
Dataset Pathname:	MAIN
Presentation Format:	XY103025
Dataset Creation:	Mon Aug 15 17:46:21 2005
Charted by:	Depth in Feet scaled 1:240



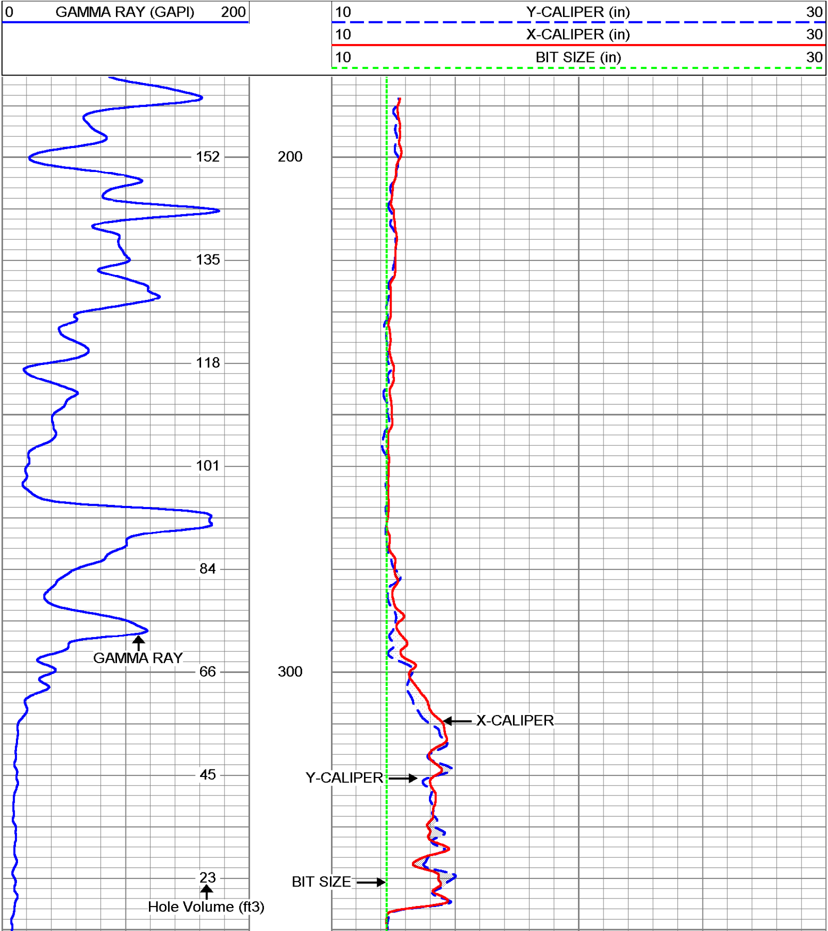


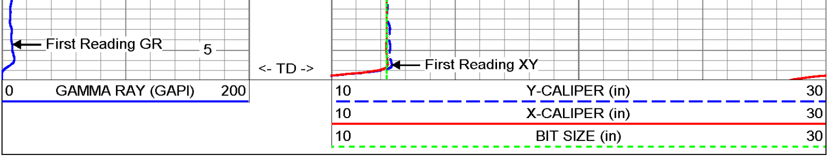
10 BIT SIZE (in) 30

MV Geophysical

REPEAT SECTION

Database File: osf-104.db
Dataset Pathname: REPEAT
Presentation Format: XY103025
Dataset Creation: Mon Aug 15 17:32:38 2005
Charted by: Depth in Feet scaled 1:240



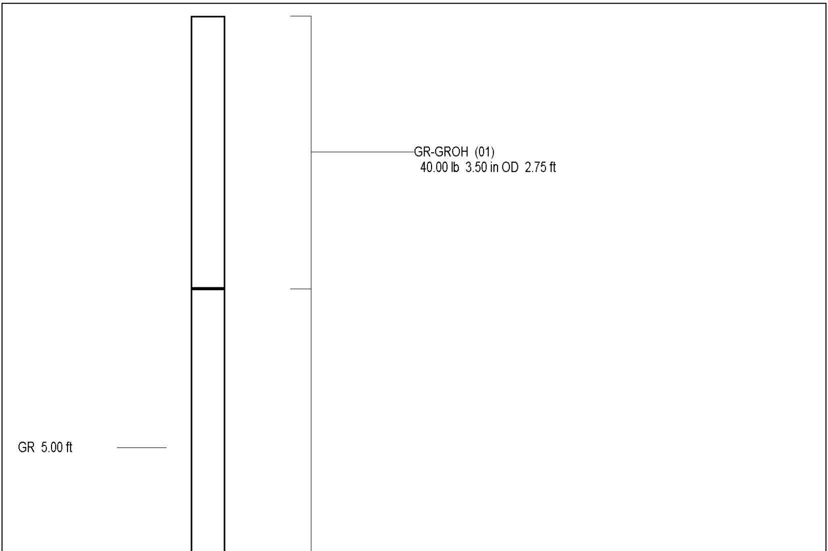


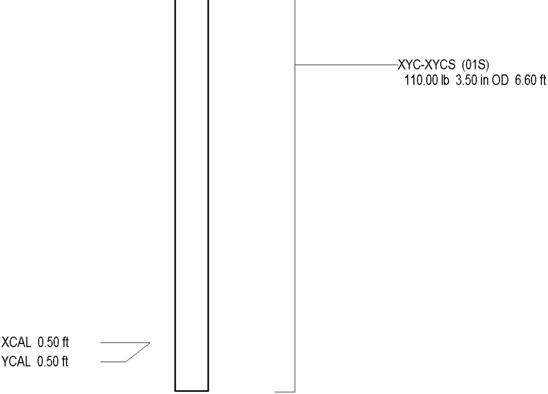
XY Caliper Calibration Report

Serial Number:	01S		
Tool Model:	XYCS		
Performed:	Mon Aug 15 18:14:49 2005		
Small Ring:	12.25	in	
Large Ring:	33	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	566.2	622.5	cps
Reading with Large Ring:	1019.62	1112.7	cps
Gain:	0.0457633	0.0423297	
Offset:	-13.6612	-14.1002	

Gamma Ray Calibration Report

Serial Number:	01	
Tool Model:	GROH	
Performed:	Mon Aug 15 17:53:06 2005	
Calibrator Value:	120	GAPI
Background Reading:	10.719	cps
Calibrator Reading:	126.46	cps
Sensitivity:	1.0368	GAPI/cps





Dataset: run1/pass5
Total Length: 9.35 ft
Total Weight: 150.00 lb
O.D. 3.50 in

MV Geophysical

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company Rowe Drilling Co., Inc.
Well OSF-104
Field S-65A Canal
County Osceola
State/Prv Florida

Company	Rowe Drilling Company, Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv .	Florida

Location
LAT.: N27 39' 34.8"
LONG.: W81 07' 57.7"
S-65A Canal - SFWMD

Other Services
XY/GR
DIL/VDL

Permanent Datum	G.L.	Elevation
Log Measured From	G.L.	
Drilling Measured From	G.L.	

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

Date	15-AUG-2005		
Run Number	ONE		
Depth Driller	366'		
Depth Logger	364'		
Bottom Logged Interval	356'		
Top Log Interval	22'		
Open Hole Size	12.25"		
Type Fluid	MUD		
Density / Viscosity	8.5/39		
Max. Recorded Temp.	na		
Estimated Cement Top	NA		
Time Well Ready	17:00 8/15/05		
Time Logger on Bottom	19:00 8/15/05		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Anderson (SFWMD)	B.Crosby (RWD)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
			364' Logger				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String				
Production String				
Liner				
Invoice No.	2005149	P.O. #:	Job No.:	* FIELD PRINT *

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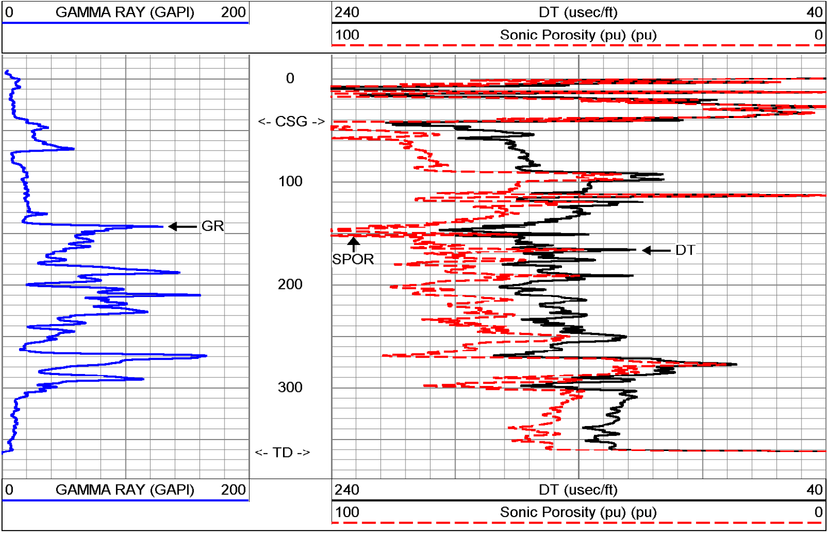
Comments

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

MV Geophysical

MAIN PASS

Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: DT-1-200
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:1200



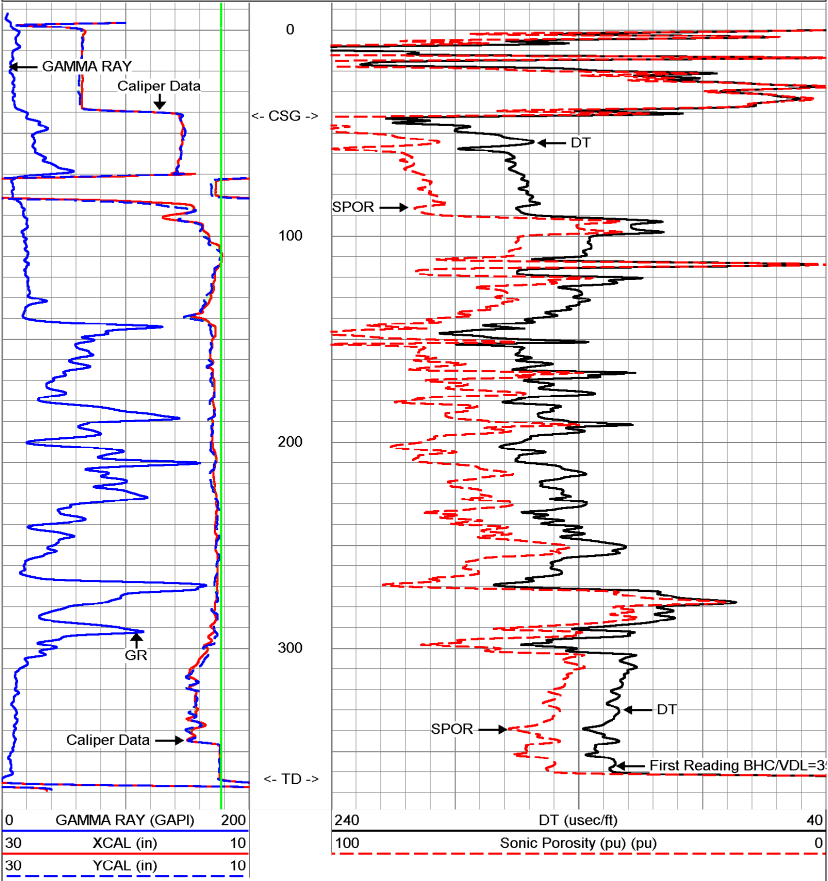
MV Geophysical

MAIN PASS

Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: DTXY13G2
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:600

0 GAMMA RAY (GAPI) 200
30 XCAL (in) 10
30 YCAL (in) 10

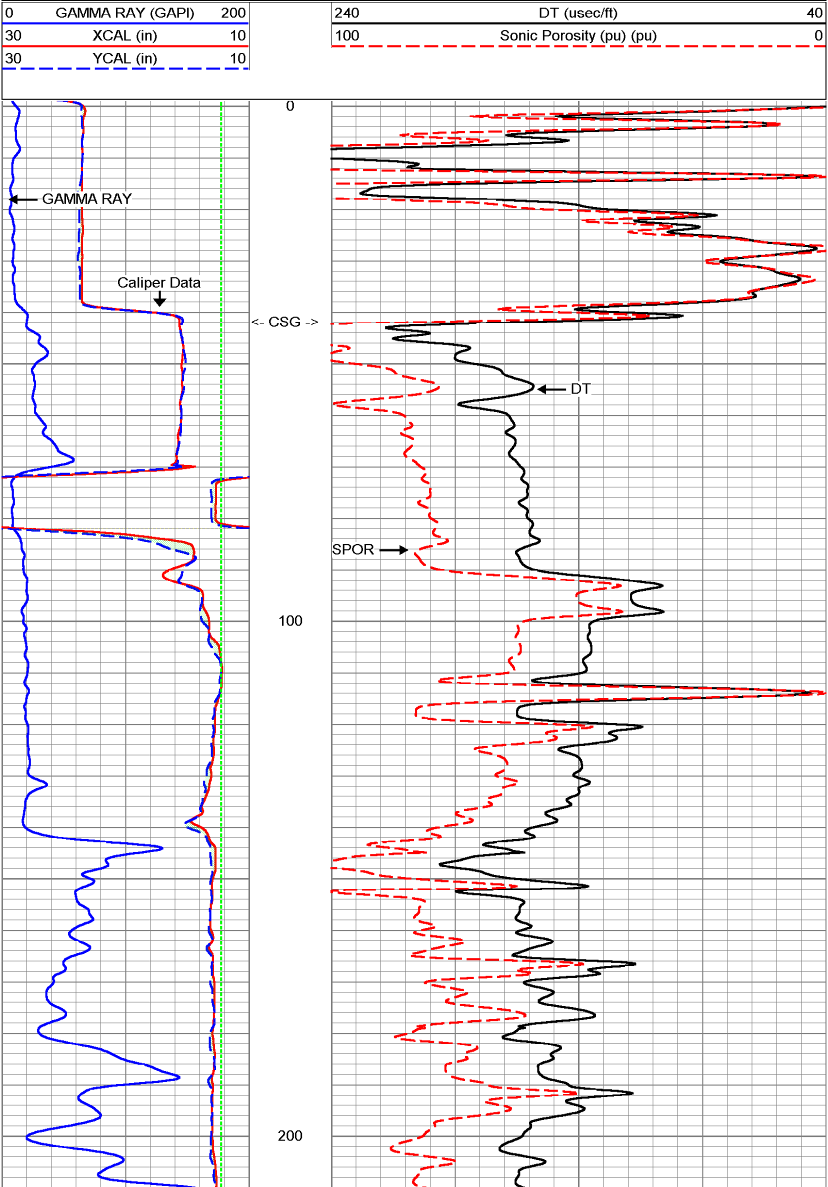
240 DT (usec/ft) 40
100 Sonic Porosity (pu) (pu) 0

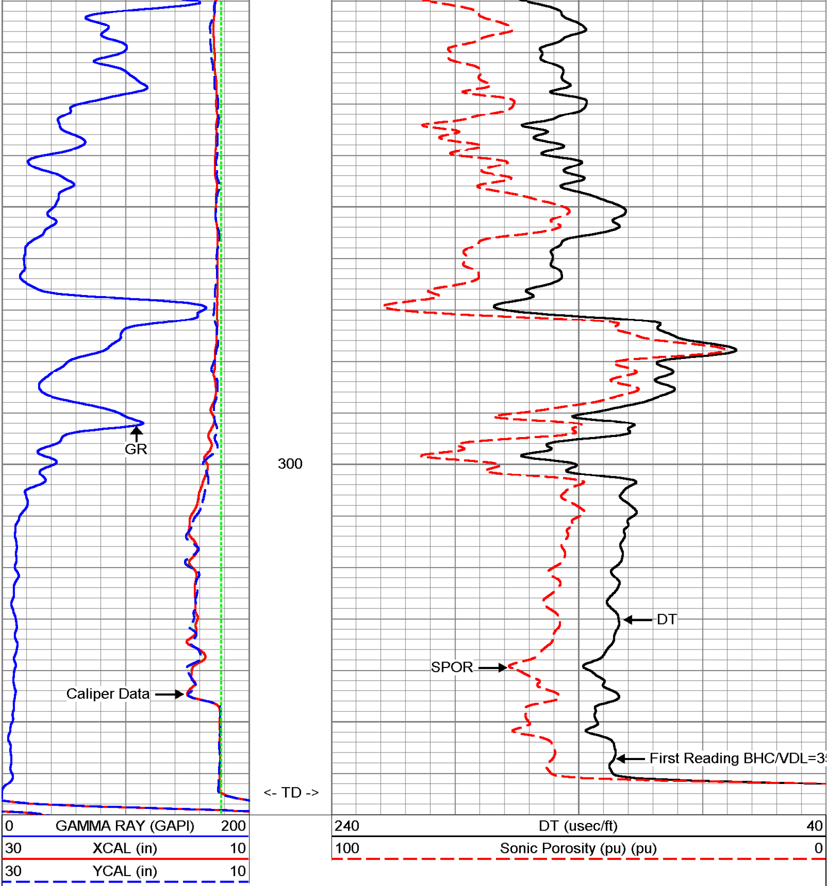


MV Geophysical

MAIN PASS

Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: DTXY13G2
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:240

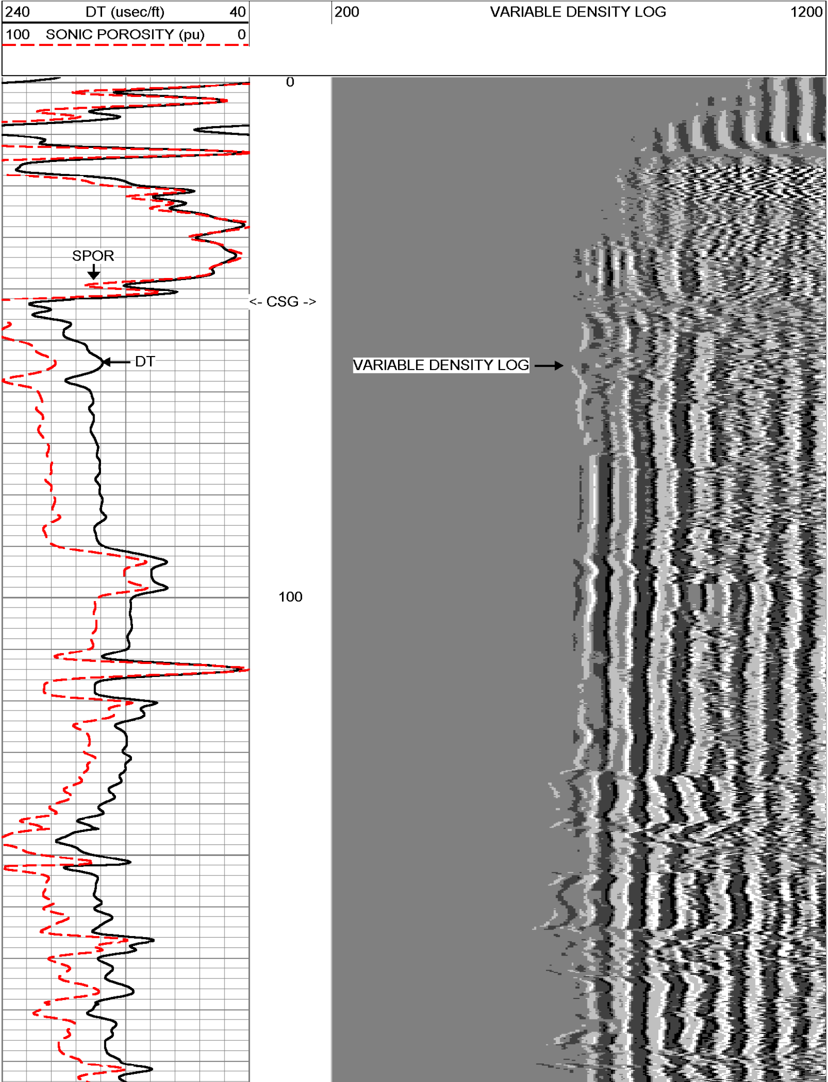


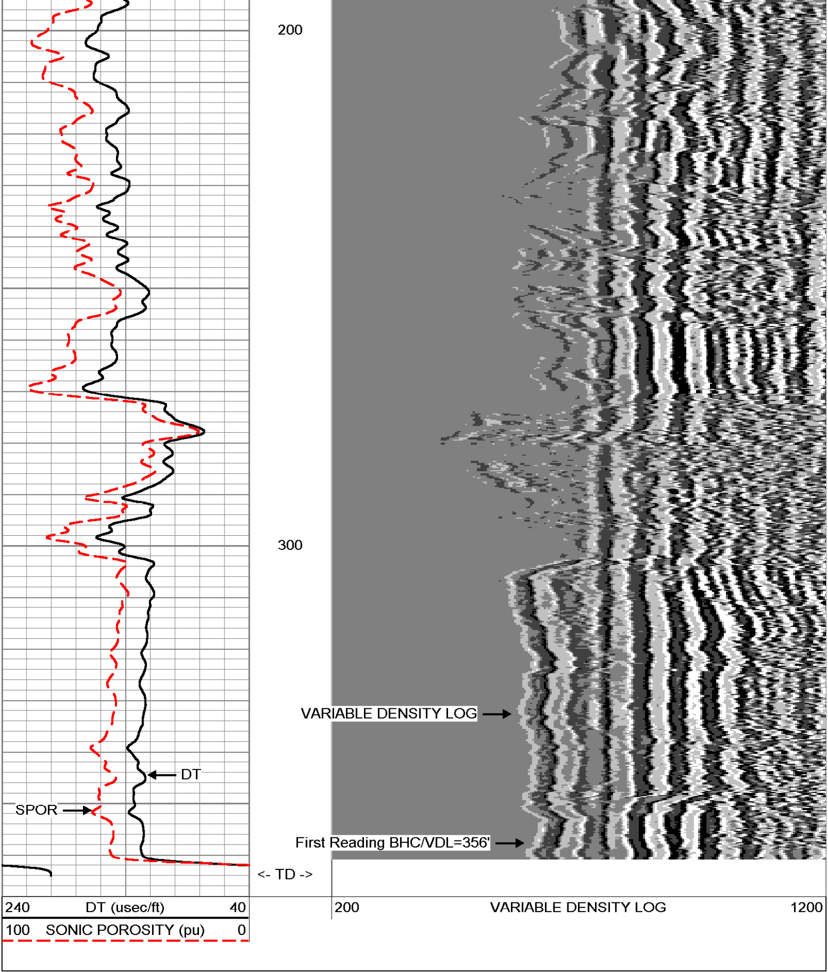


MV Geophysical

MAIN PASS

Database File: osf-104.db
Dataset Pathname: MAIN
Presentation Format: SON_VDL
Dataset Creation: Mon Aug 15 17:46:21 2005
Charted by: Depth in Feet scaled 1:240

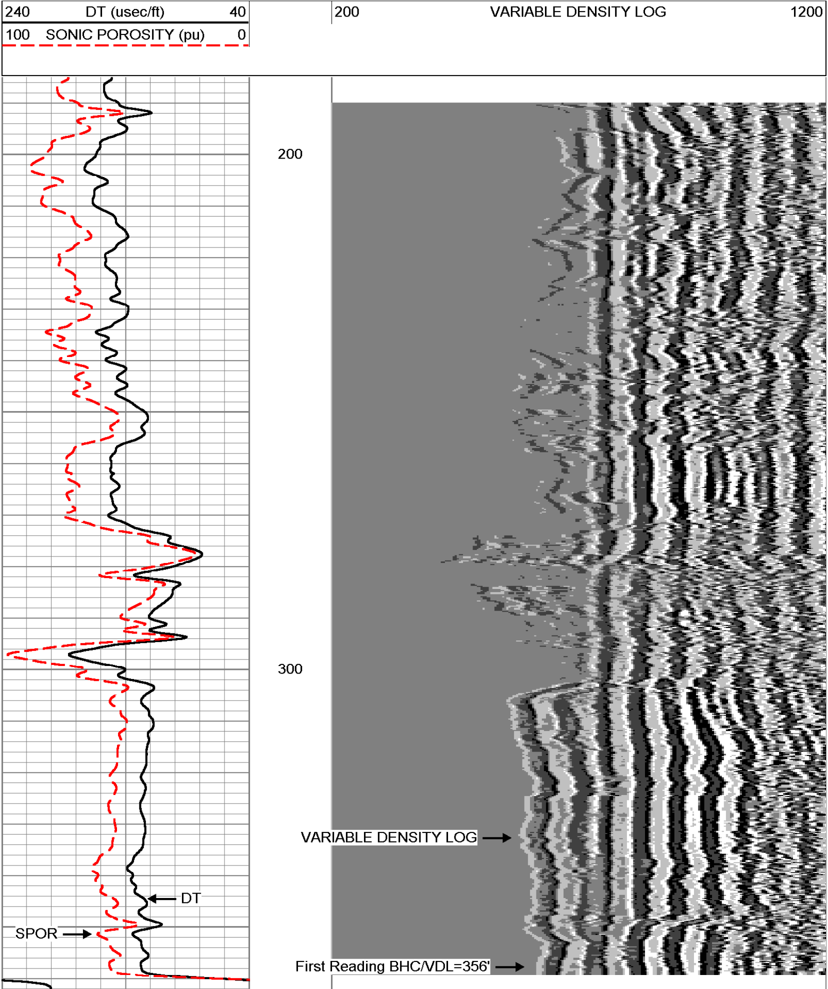




MV Geophysical

REPEAT SECTION

Database File: osf-104.db
Dataset Pathname: REPEAT
Presentation Format: SON_VDL
Dataset Creation: Mon Aug 15 17:32:38 2005
Charted by: Depth in Feet scaled 1:240

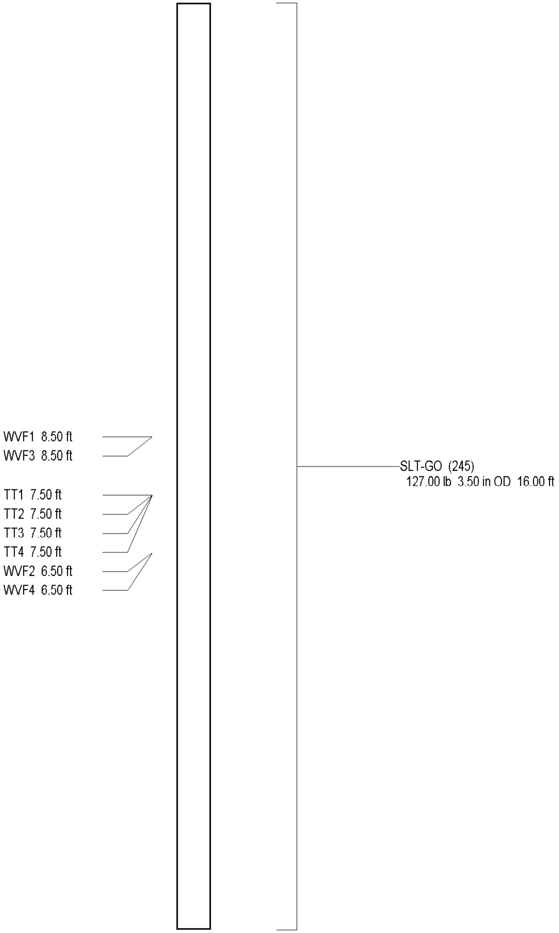


<- TD ->

240 DT (usec/ft) 40

100 SONIC POROSITY (pu) 0

200 VARIABLE DENSITY LOG 1200



Dataset:	run1/pass8
Total Length:	16.00 ft
Total Weight:	127.00 lb
O.D.	3.50 in

MV Geophysical

DUAL INDUCTION
LL3 / SP
LOG

Company	Rowe Drilling Co., Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv	Florida

Company	Rowe Drilling Company, Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv.	Florida
Location	LAT.: N27 39' 34.8" LONG.: W81 07' 57.7" S-65A Canal - SFWMD
Other Services	XY/GR BHC/VDL

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

Date	15-AUG-2005	
Run Number	ONE	
Depth Driller	366'	
Depth Logger	364'	
Bottom Logged Interval	362'	
Top Log Interval	42'	
Open Hole Size	12.25"	
Type Fluid	MUD	
Density / Viscosity	NA/NA	
Max. Recorded Temp.	na	
Estimated Cement Top	NA	
Time Well Ready	17:00 8/15/05	
Time Logger on Bottom	17:00 8/15/05	
Equipment Number	MVGS-1	
Location	Ft. Myers	
Recorded By	S.Miller	
Witnessed By	S.Anderson (SFWMD)	B.Crosby (RWD)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
			364' Logger				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String				
Production String				
Liner				

Invoice No.	2005149	P.O. #:	Job No.:	* FIELD PRINT *

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Comments

Rm=5.127 ohm-m @ 87.3 degF
Rmf=3.947 ohm-m @ 89.2 degF
Rmc=6.772 ohm-m @ 89.2 degF

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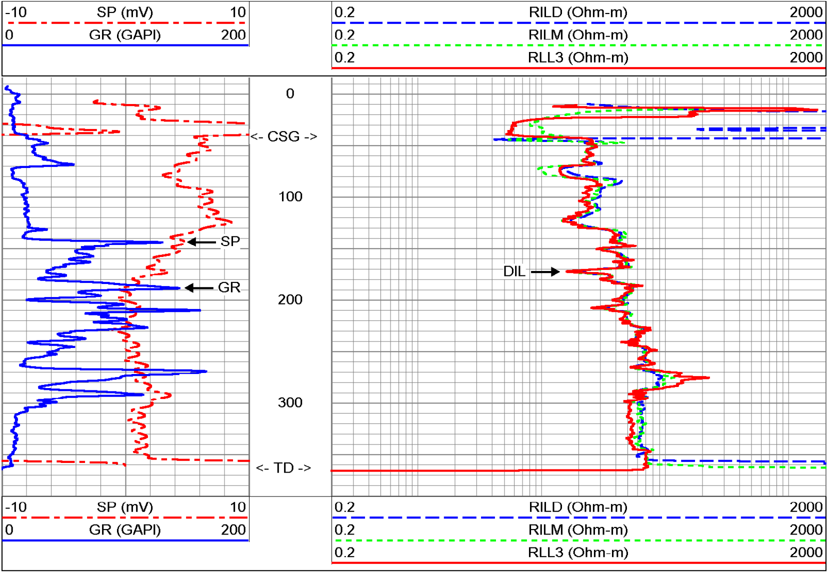
MAIN PASS

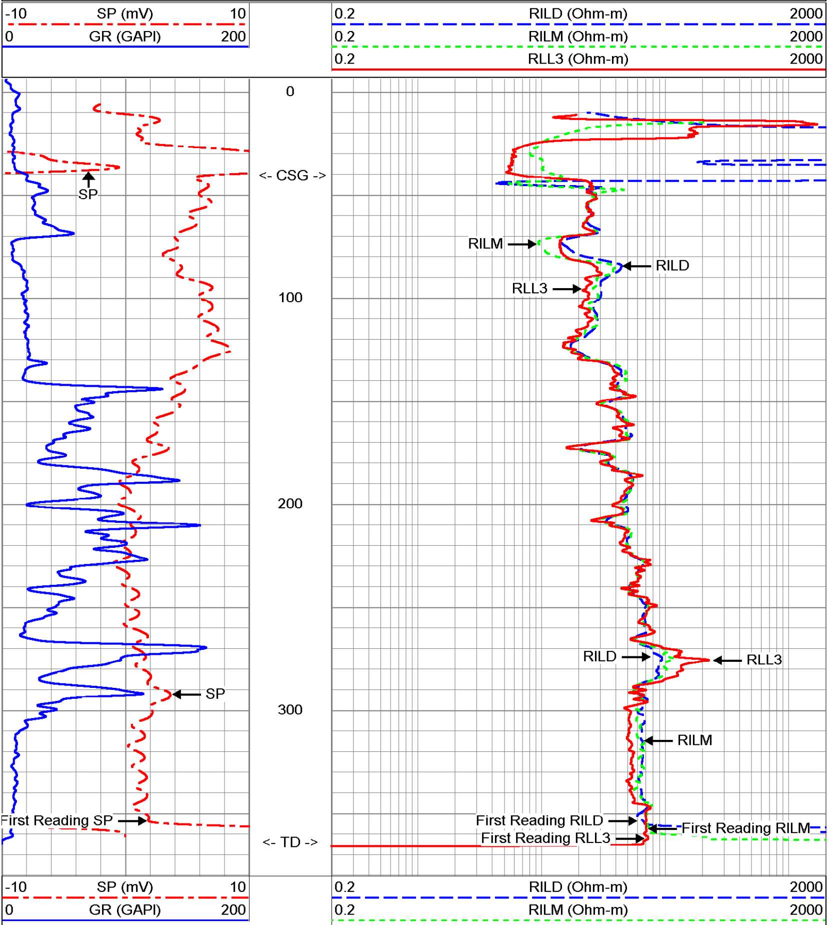
Database File:	osf-104.db
Dataset Pathname:	MAIN
Presentation Format:	DIL1200
Dataset Creation:	Mon Aug 15 17:46:21 2005
Charted by:	Depth in Feet scaled 1:1200



MV
Geophysical

MAIN PASS

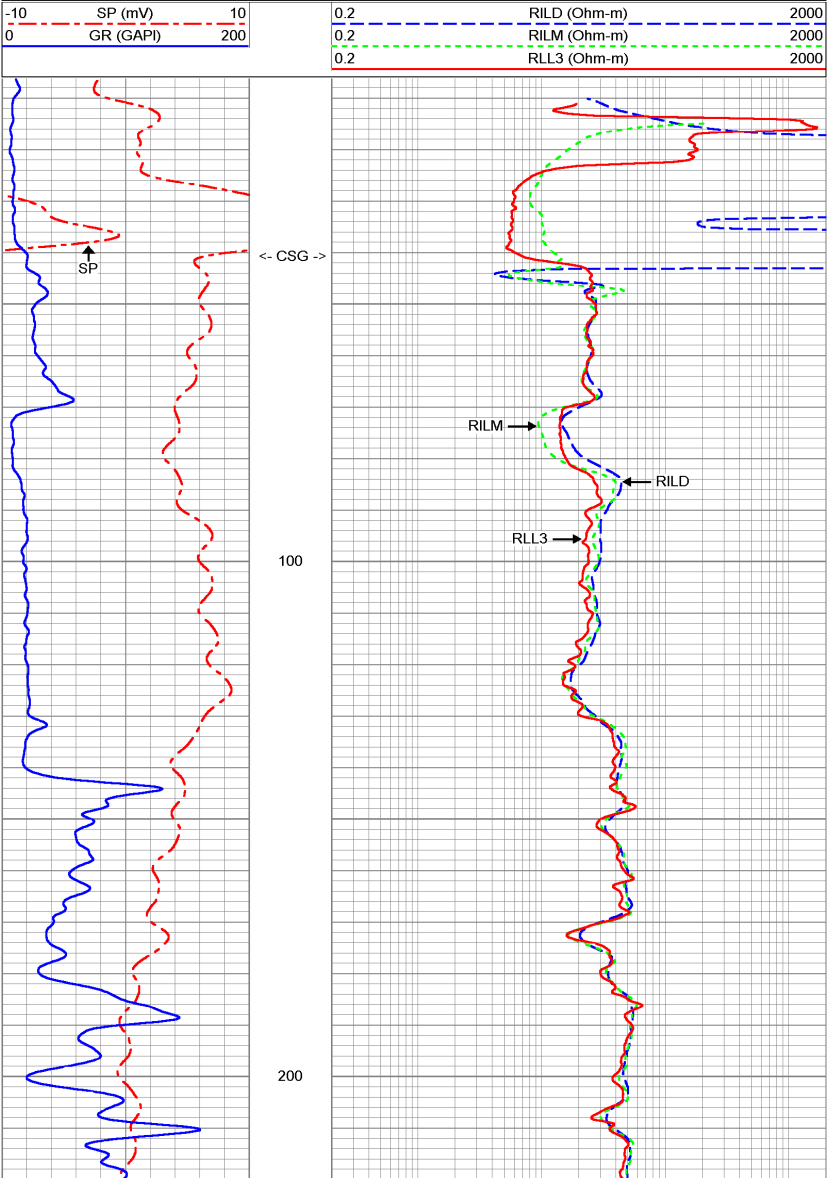
Database File:	osf-104.db
Dataset Pathname:	MAIN
Presentation Format:	DIL200
Dataset Creation:	Mon Aug 15 17:46:21 2005
Charted by:	Depth in Feet scaled 1:600

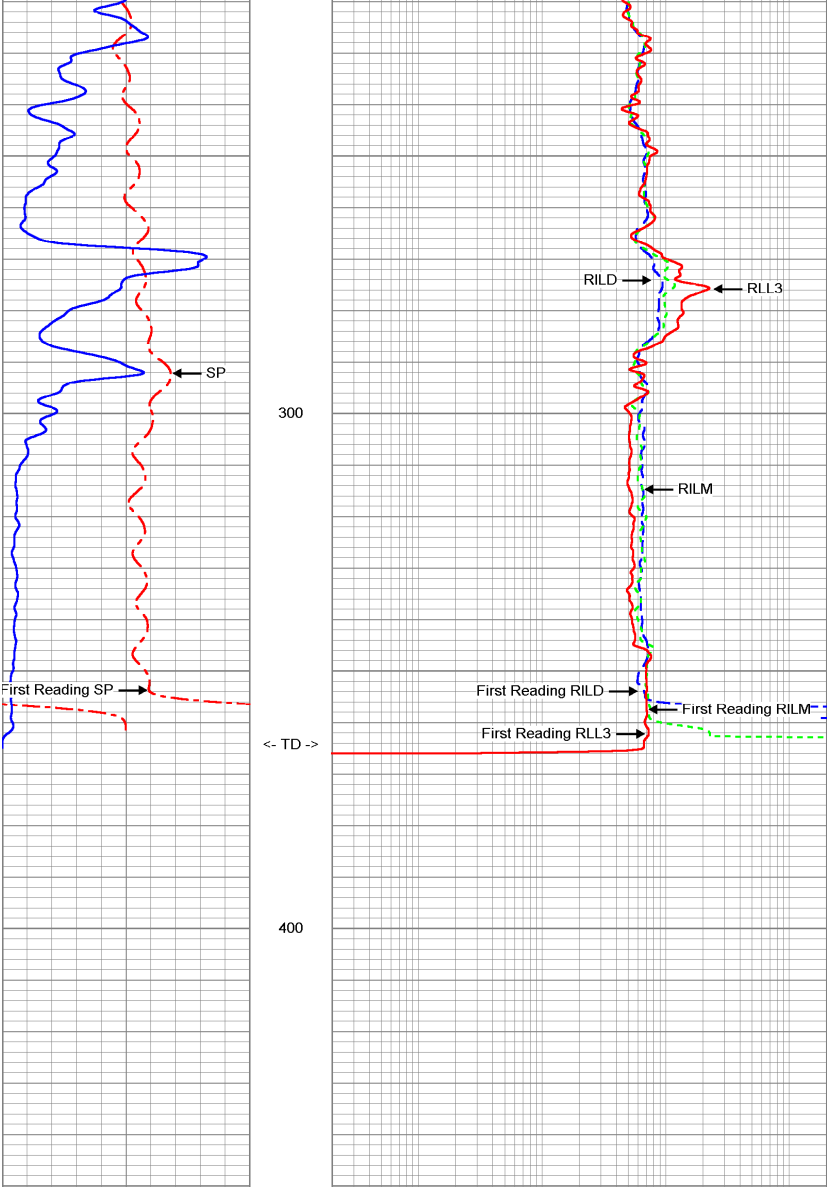


MV
Geophysical

MAIN PASS

Database File:	osf-104.db
Dataset Pathname:	MAIN
Presentation Format:	DIL200
Dataset Creation:	Mon Aug 15 17:46:21 2005
Charted by:	Depth in Feet scaled 1:240





500

600

700

800

900

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FLUID CONDUCTIVITY TEMPERATURE LOG

Company Rowe Drilling Co., Inc.
Well OSF-104
Field S-65A Canal
County Osceola
State/Prv Florida

Company	Rowe Drilling Company, Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv .	Florida

Location
LAT.: N27 39' 34.8"
LONG.: W81 07'57.7"
S-65A Canal - SFWMD

Other Services
XY/GR
FLOW
VIDEO

		Elevation
Permanent Datum	G.L.	
Log Measured From	G.L.	
Drilling Measured From	G.L.	

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

Date	6-OCT-2005		
Run Number	THREE		
Depth Driller	1505'		
Depth Logger	1507'		
Bottom Logged Interval	1507'		
Top Log Interval	280'		
Open Hole Size	9.5"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	NA		
Time Well Ready	09:30 10/6/05		
Time Logger on Bottom	11:30 10/6/05		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Anderson (SFWMD)	Bobby (RWD)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
TWO	23"	42'	332'				
THREE	9.5"	333'	1505'				
			1507' MVGS				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String	18"	.375" WT	SURFACE	333'
Production String				
Liner				
Invoice No.	2005178	P.O. #:	Job No.:	* FIELD PRINT *

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Comments

STATIC and DYNAMIC DOWN passes were performed.
Cw=57uS/cm @ 79.3 degF (Dynamic Sample). Q =~1000 gpm.
FLUID RESISTIVITY CALIBRATION REPORT (Performed: 5-OCT-05 10:15))

uS/cm	CPS
413.5	4416.24
827.1	3959.26
1494.4	3339.14

TEMPERATURE CALIBRATION REPORT (Performed: 5-OCT-05 10:45)

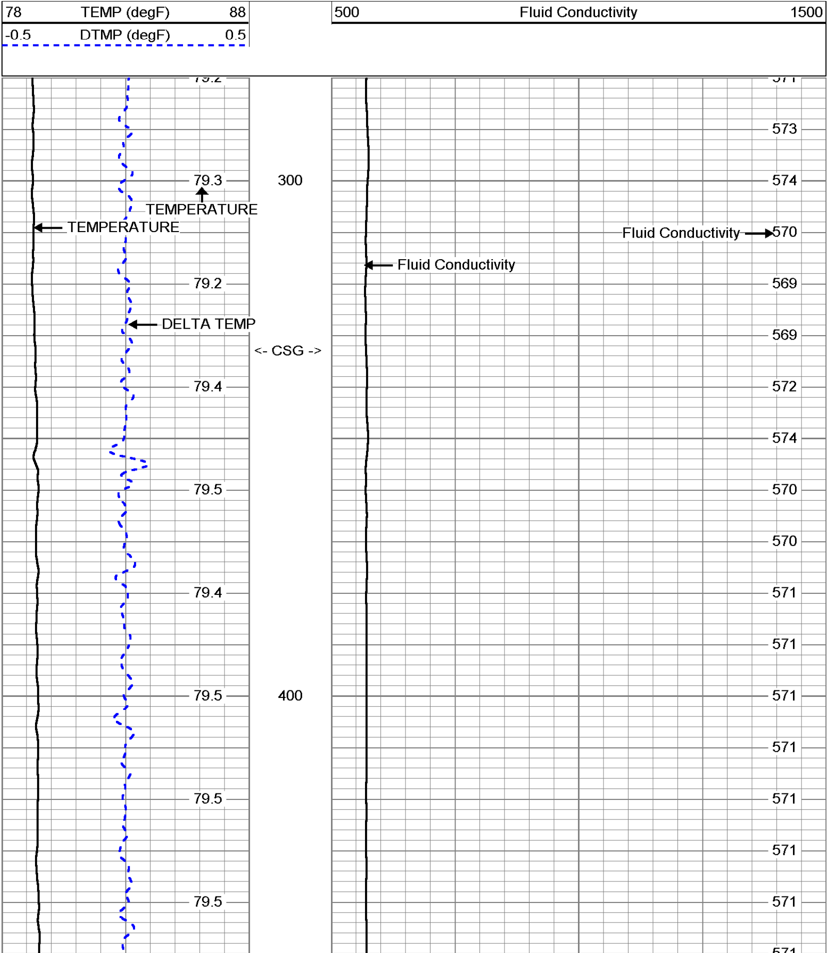
DEG-F	CPS
34.1	2346.21
140.2	6952.22

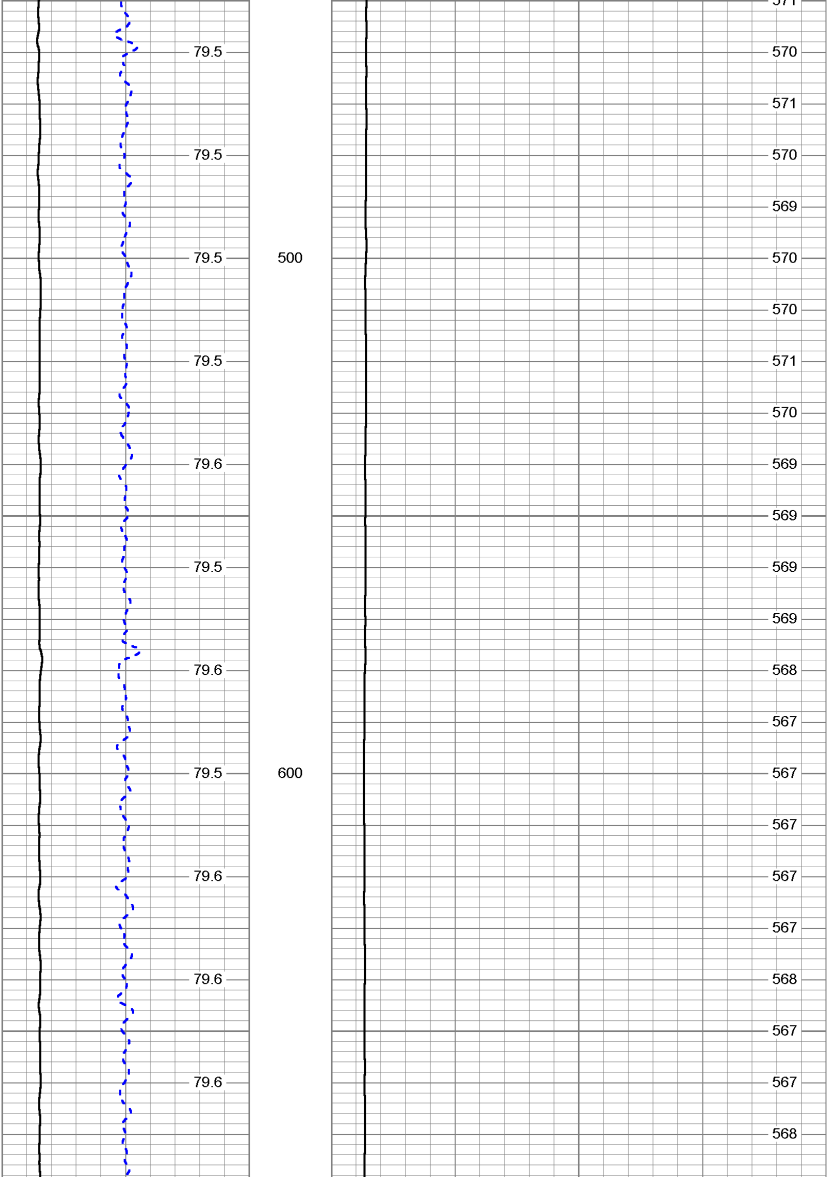
ELECTRONIC SPLICES DUE TO BOREHOLE CONDITION.

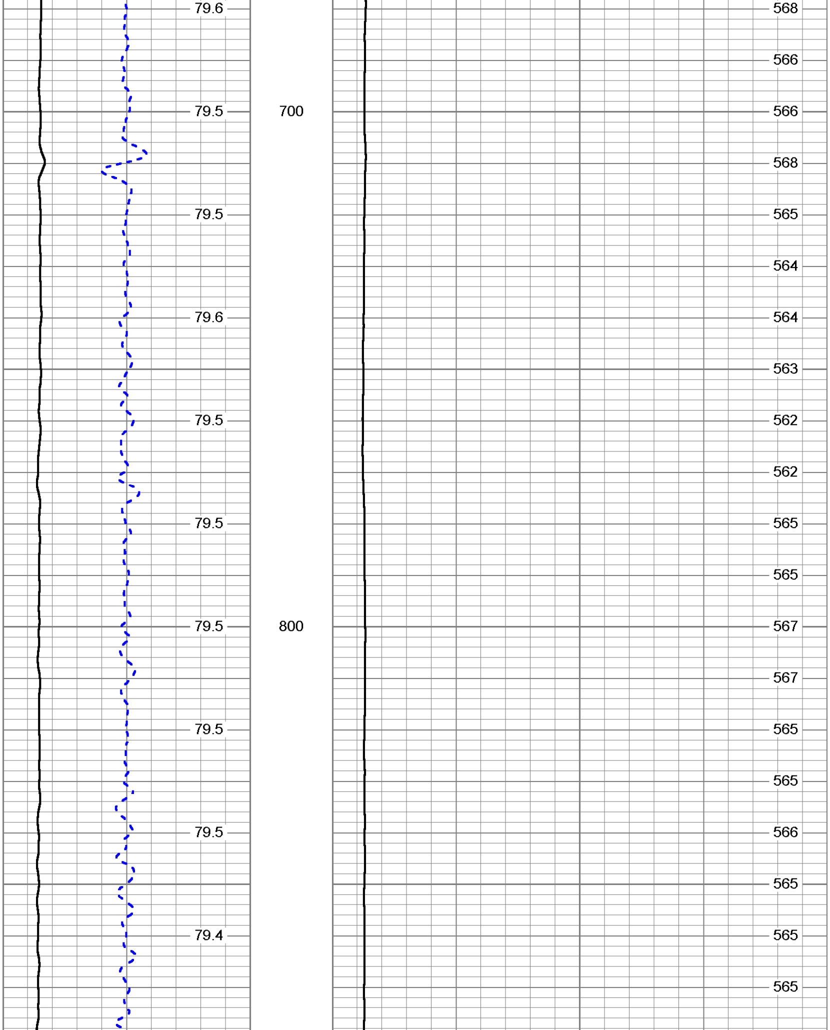
MV Geophysical

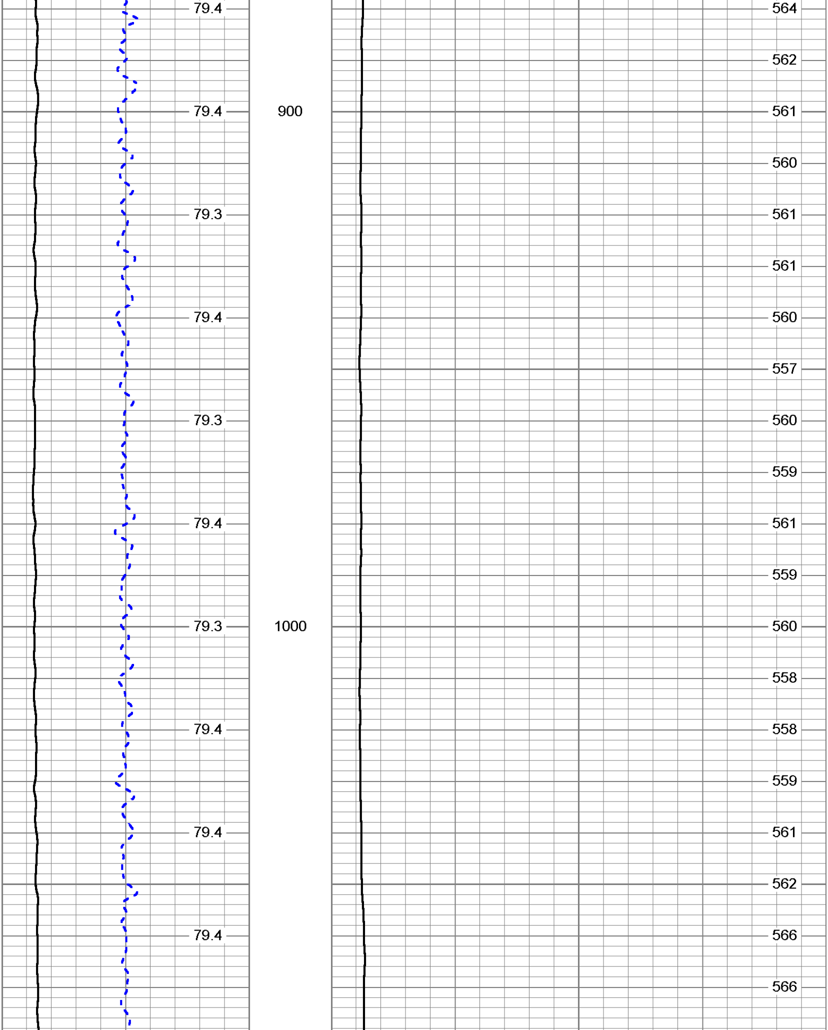
DYNAMIC FCT UP

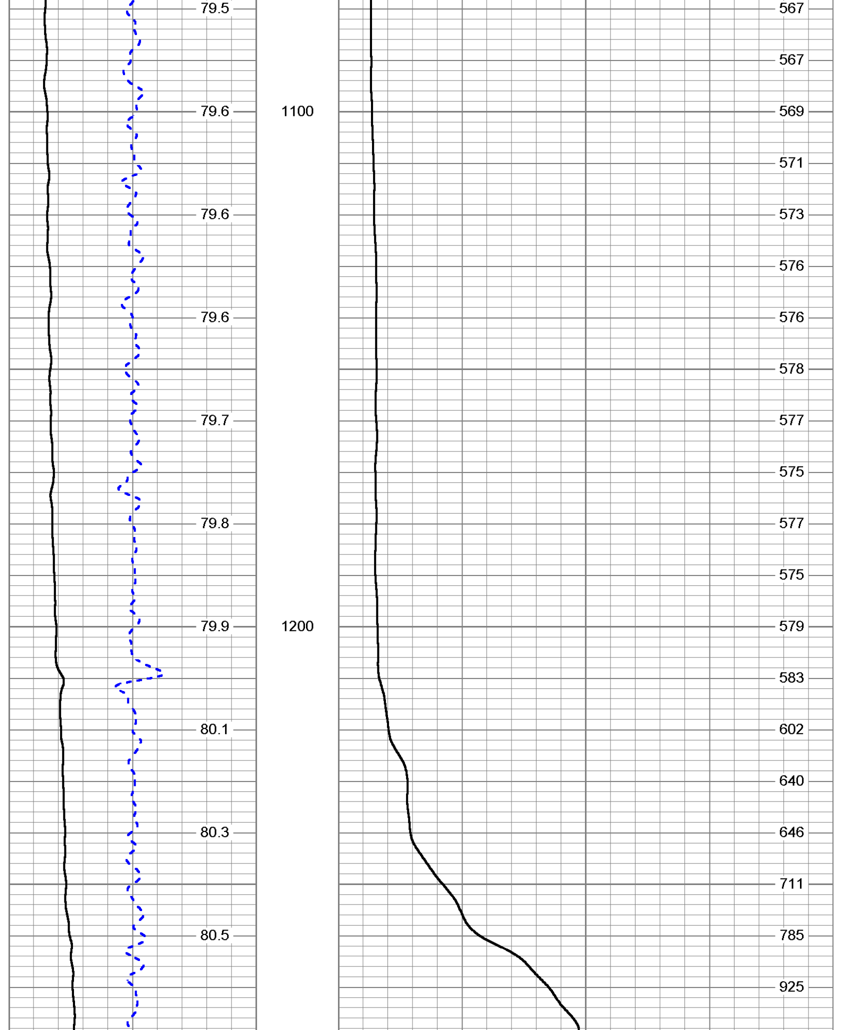
Database File: osf-104.db
Dataset Pathname: run3/DFCT
Presentation Format: FCTOSF
Dataset Creation: Thu Oct 06 17:03:11 2005
Charted by: Depth in Feet scaled 1:240

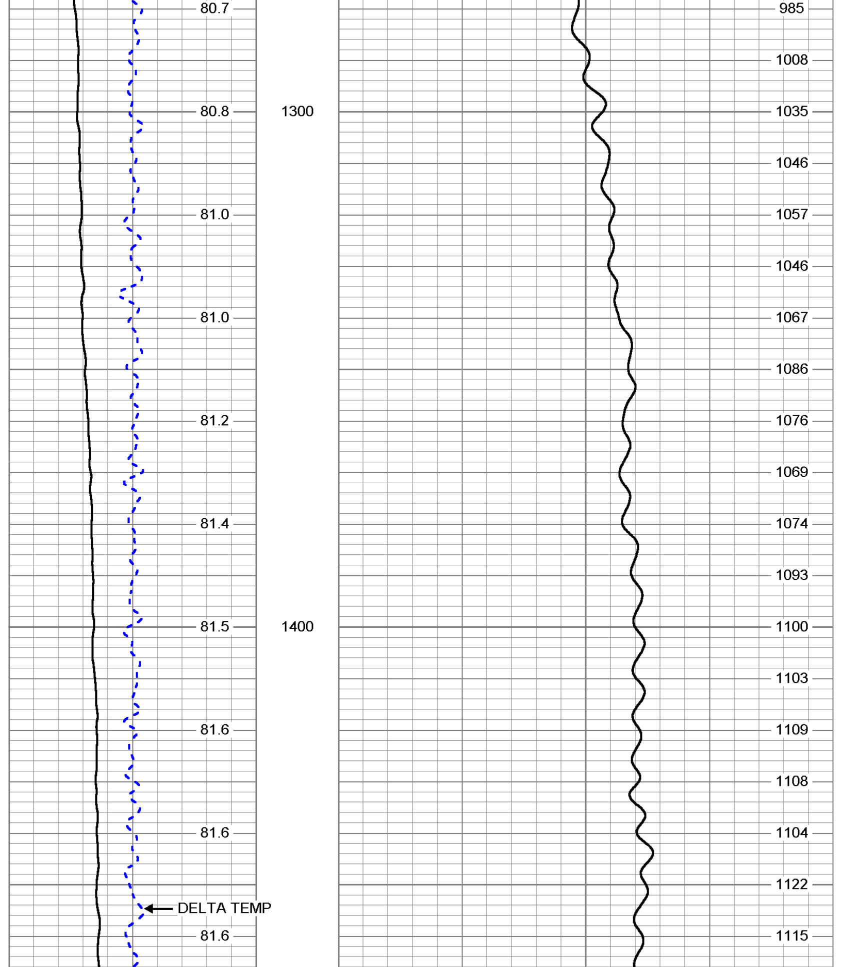


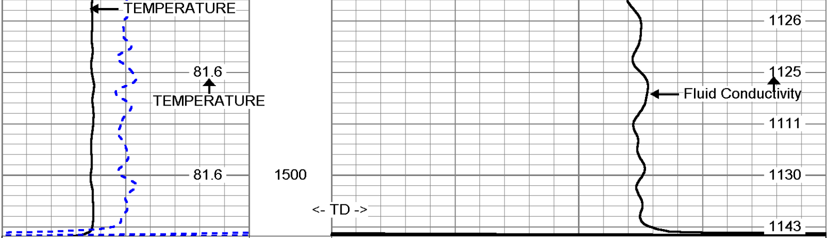












78 TEMP (degF) 88
-0.5 DTMP (degF) 0.5
500 Fluid Conductivity 1500

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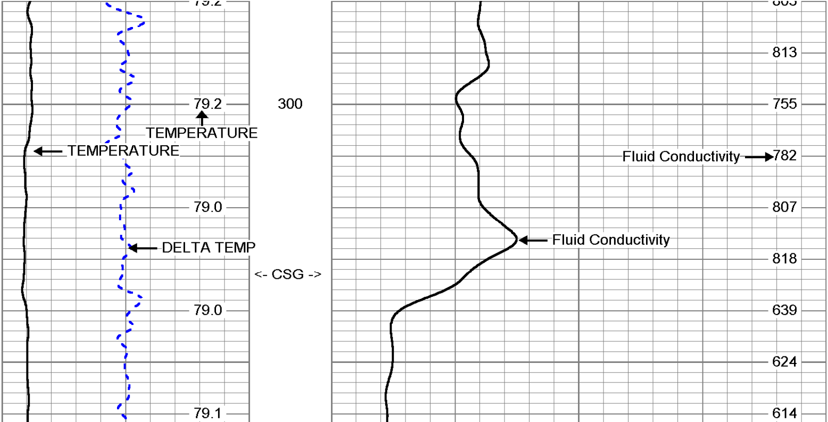
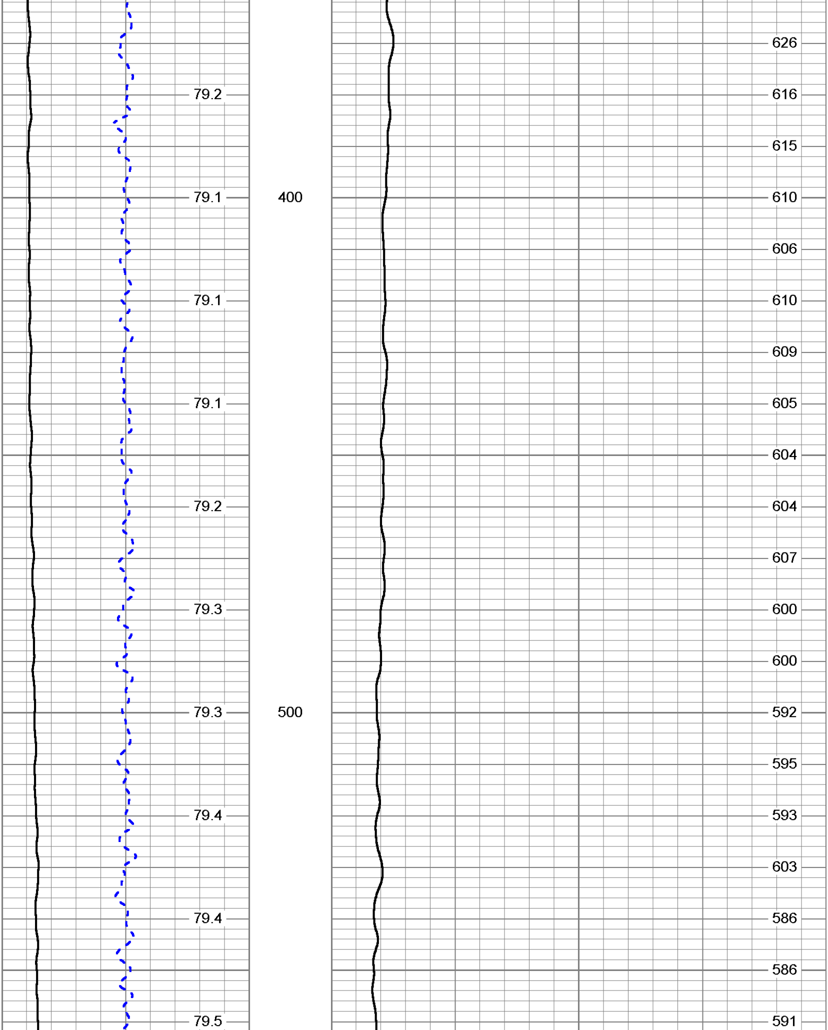
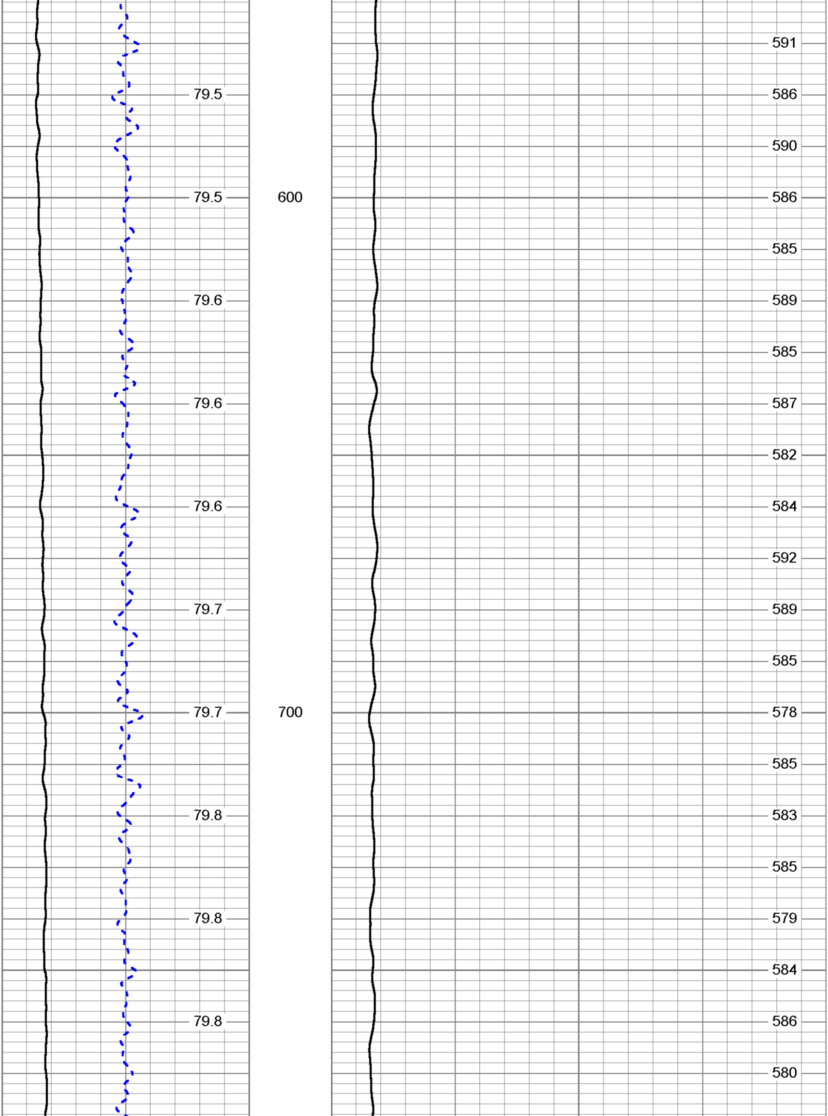
STATIC FCT DOWN

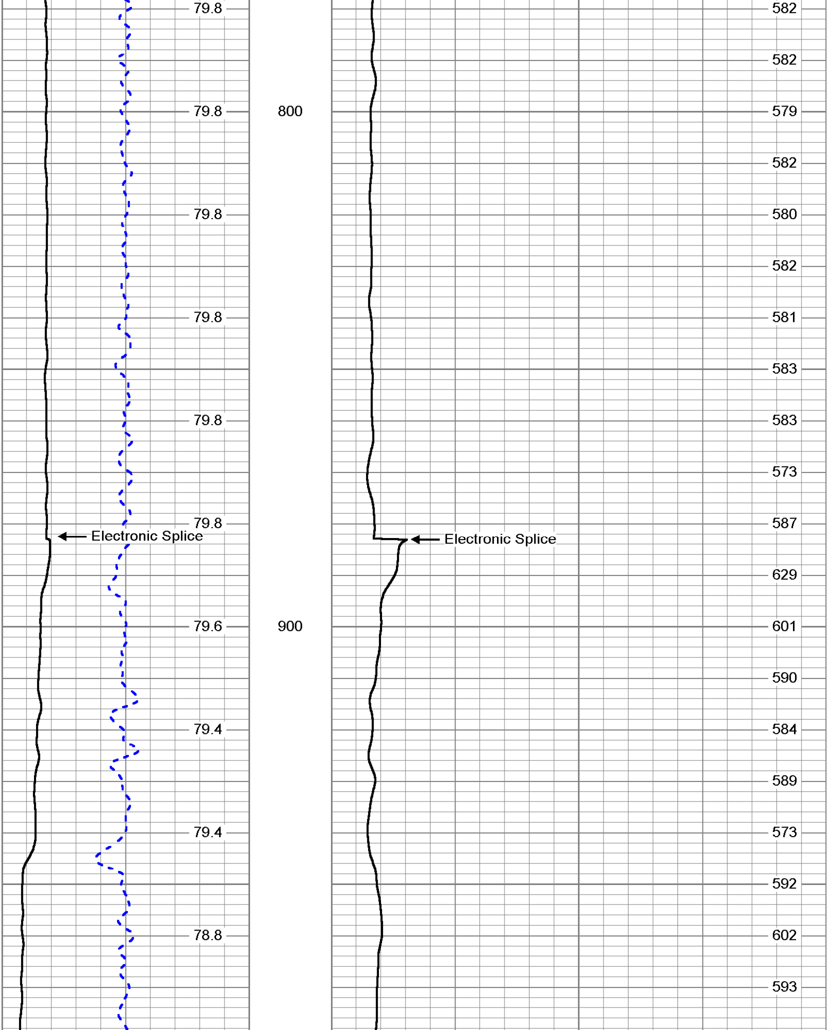
Database File: osf-104.db
Dataset Pathname: run3/SFCT
Presentation Format: FCTOSF
Dataset Creation: Thu Oct 06 17:10:01 2005
Charted by: Depth in Feet scaled 1:240

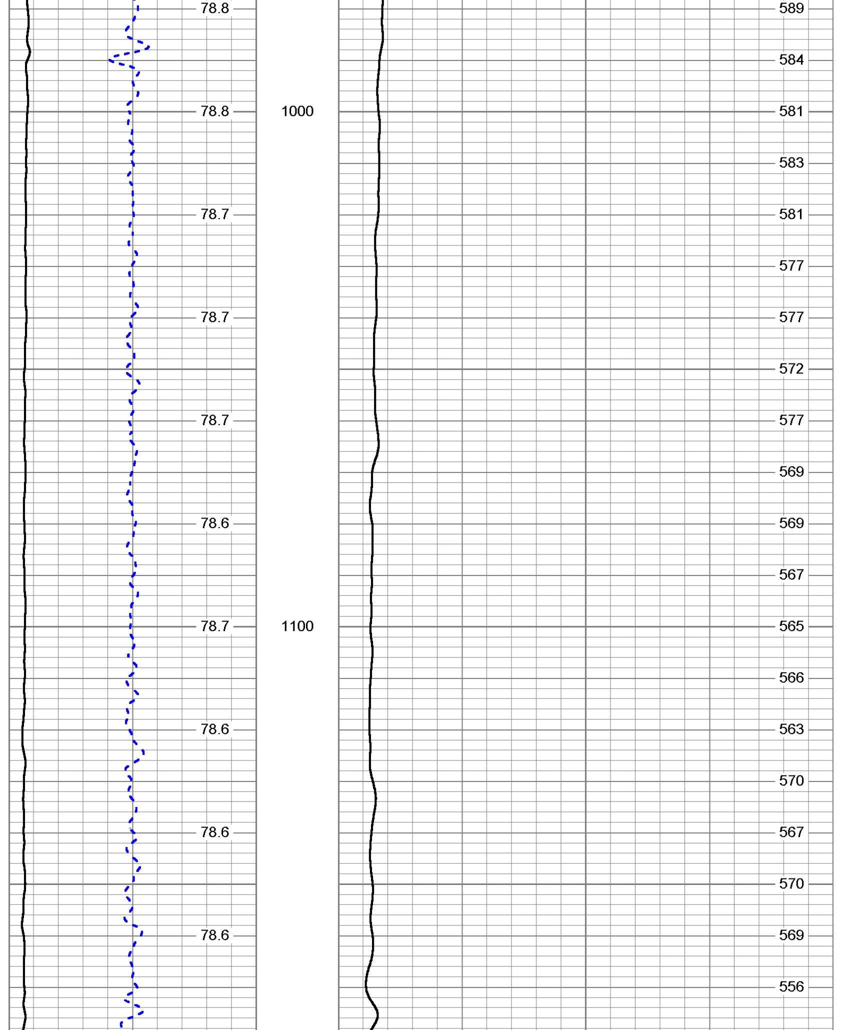
78 TEMP (degF) 88
-0.5 DTMP (degF) 0.5
500 Fluid Conductivity 1500

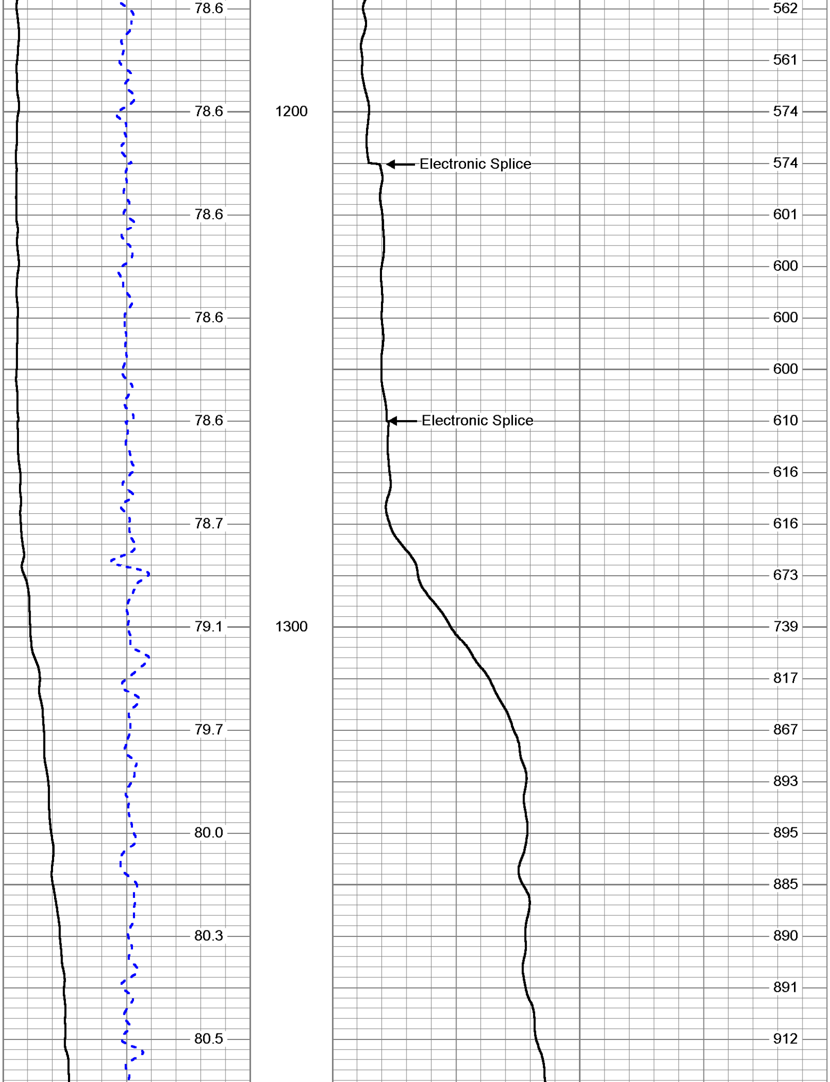


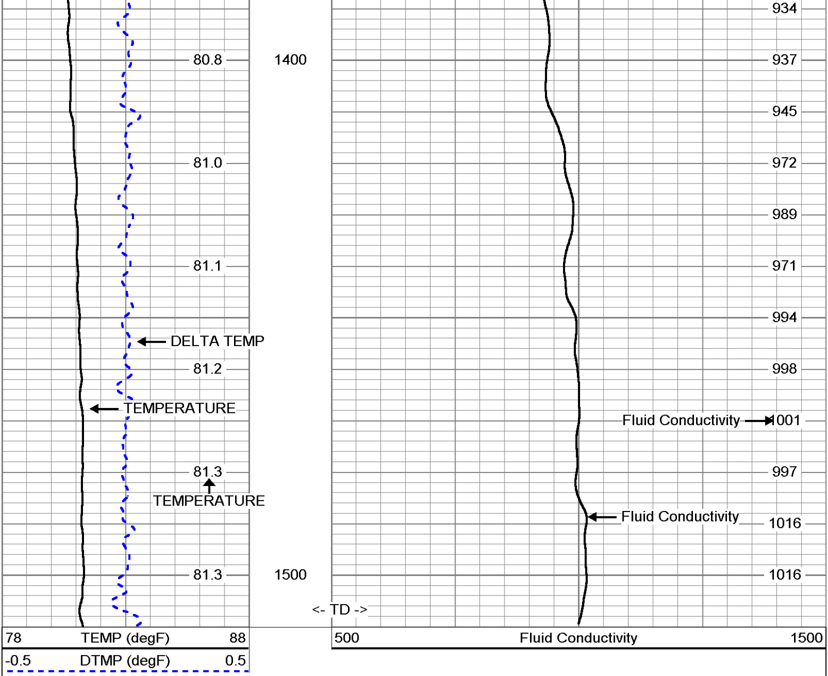


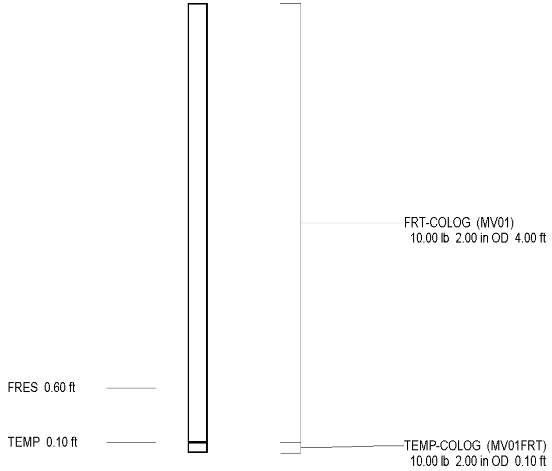












Dataset:	run3/pass3
Total Length:	4.10 ft
Total Weight:	20.00 lb
O.D.	2.00 in

MV
Geophysical

FLOWMETER
LOG

Company	Rowe Drilling Co., Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv	Florida

Company Rowe Drilling Company, Inc.
Well OSF-104
Field S-65A Canal
County Osceola State/Prv . Florida

Location
LAT.: N27 39' 34.8"
LONG.: W81 07'57.7"
S-65A Canal - SFWMD

Other Services
XY/GR
FCT
VIDEO

Permanent Datum	G.L.	Elevation
Log Measured From	G.L.	
Drilling Measured From	G.L.	

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

Date	11-OCT-2005		
Run Number	THREE-B		
Depth Driller	1506'		
Depth Logger	1510'		
Bottom Logged Interval	1510'		
Top Log Interval	280'		
Open Hole Size	9.5"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	NA		
Time Well Ready	08:30 10/11/05		
Time Logger on Bottom	13:30 10/11/05		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Anderson (SFWMD)	Bobby (RWD)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
TWO	23"	42'	332'				
THREE	9.5"	333'	1506'				
			1510' MVGS				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String	18"	.375" WT	SURFACE	333'
Production String				
Liner				
Invoice No.	2005185	P.O. #:	Job No.:	* FIELD 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 53 fpm.

8 station performed.

Q =~1300 gpm

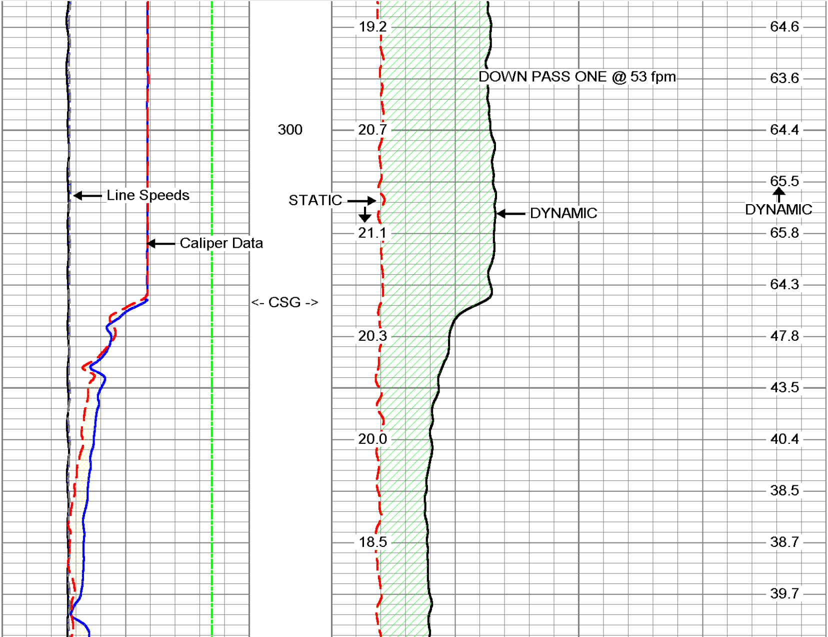
MV
Geophysical

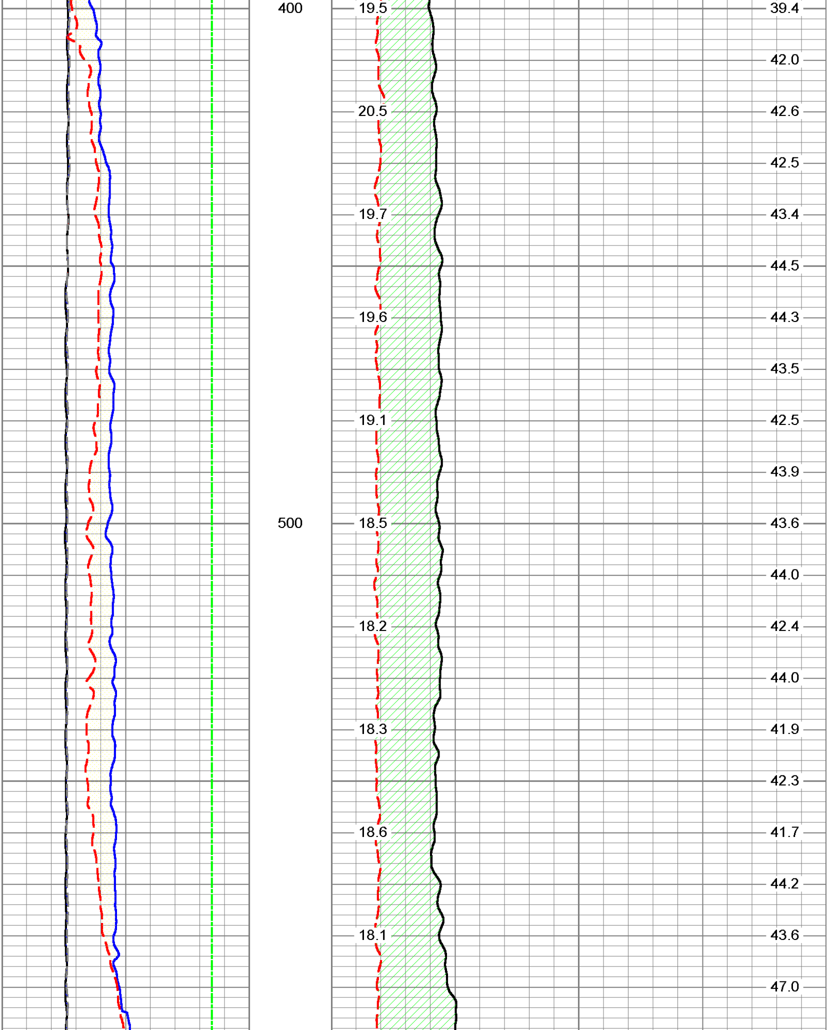
S/D DOWN @ 53 fpm

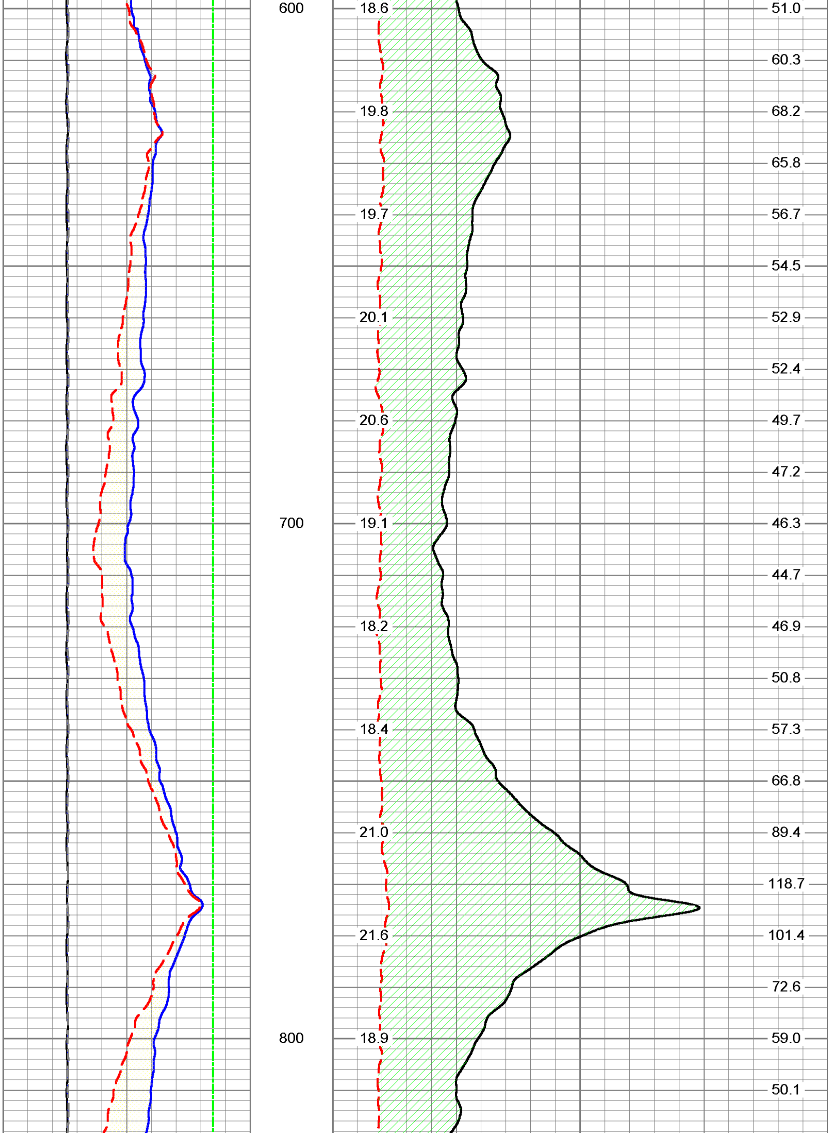
Database File: osf-104.db
Dataset Pathname: run4/SD53
Presentation Format: Q-200
Dataset Creation: Tue Oct 11 14:06:59 2005
Charted by: Depth in Feet scaled 1:240

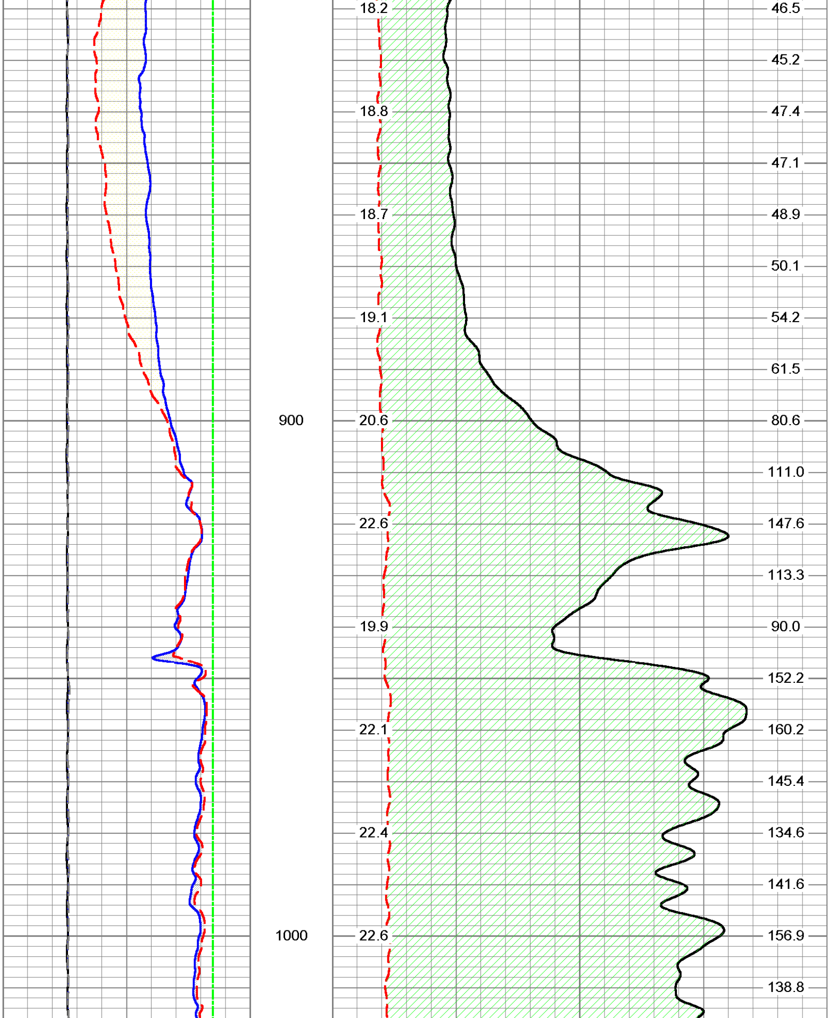
0 DYNAMIC LINE SPEED (ft/min)00
0 STATIC LINE SPEED (ft/min)200
35 X-CALIPER (in) 5
35 Y CALIPER (in) 5
35 BIT SIZE (in) 5

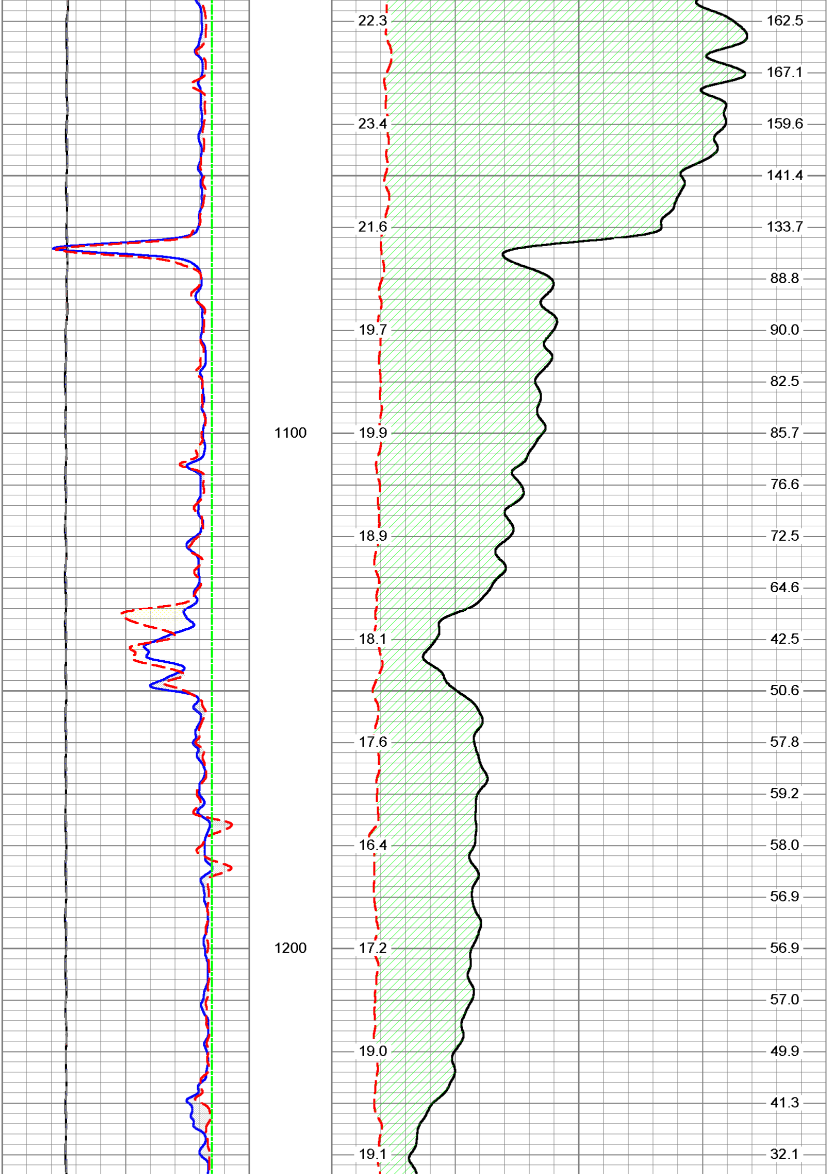
0 DYNAMIC (cps) 200
0 STATIC (cps) 200

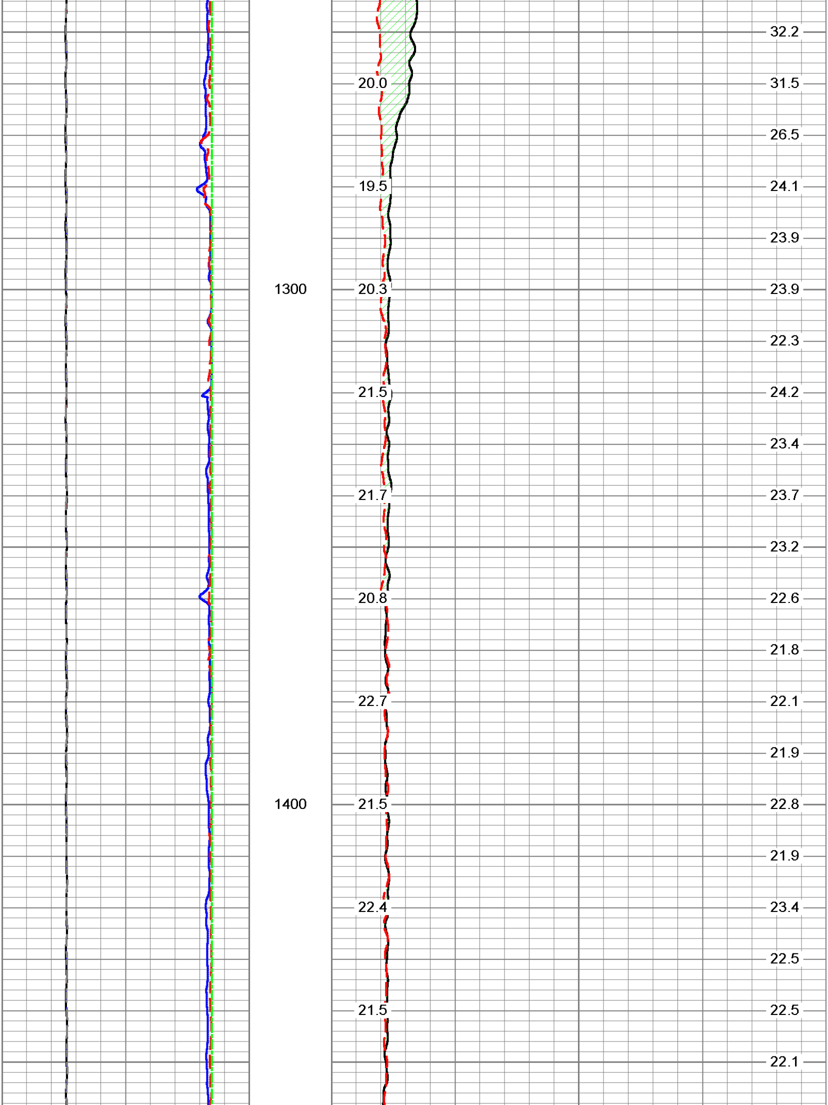


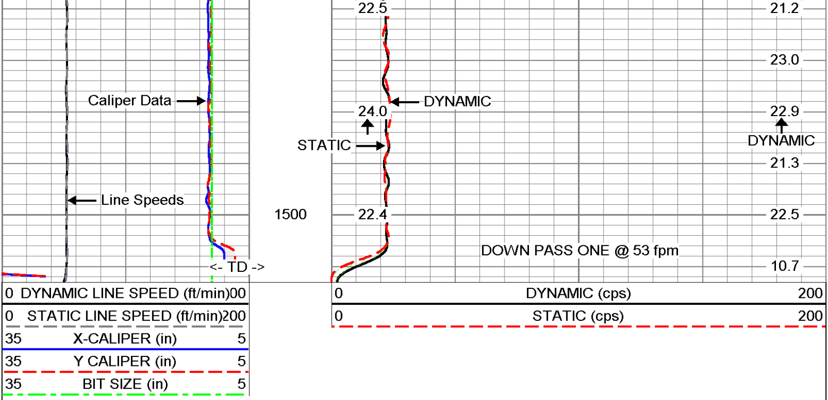








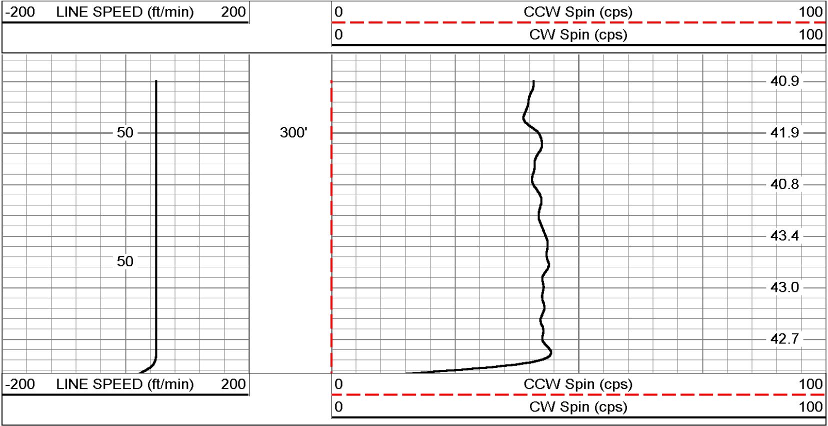




MV Geophysical

Station #8: 300'

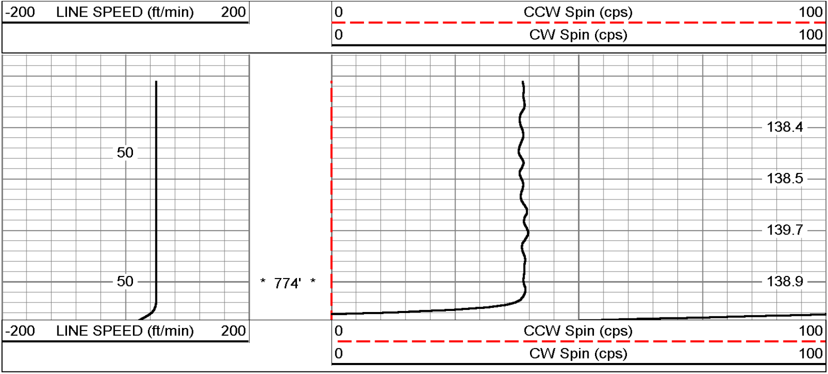
Database File: osf-104.db
Dataset Pathname: run4/pass10
Presentation Format: FLOW
Dataset Creation: Tue Oct 11 14:57:31 2005 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV
Geophysical

Station #7: 774'

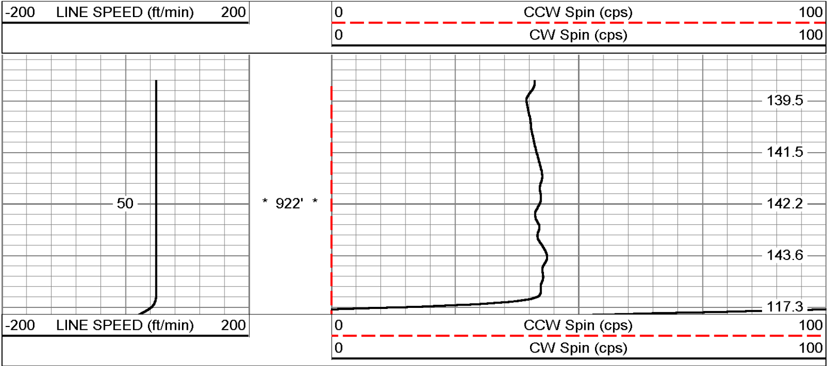
Database File:	osf-104.db
Dataset Pathname:	run4/pass9
Presentation Format:	FLOW
Dataset Creation:	Tue Oct 11 14:53:16 2005 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



MV
Geophysical

Station #6: 922'

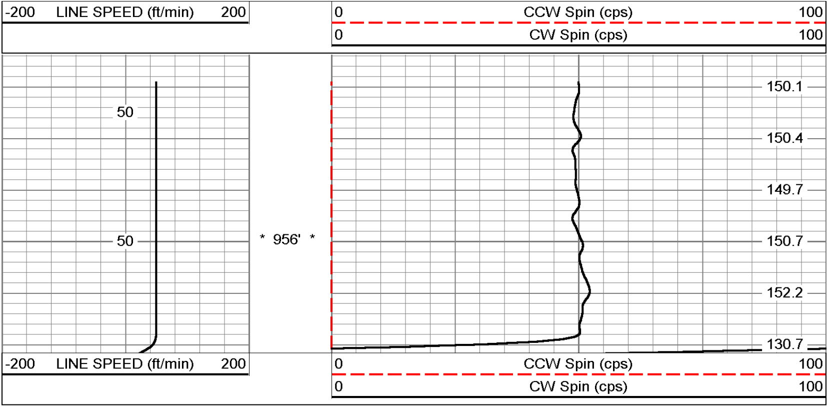
Database File:	osf-104.db
Dataset Pathname:	run4/pass8
Presentation Format:	FLOW
Dataset Creation:	Tue Oct 11 14:50:58 2005 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



MV Geophysical

Station #5: 956'

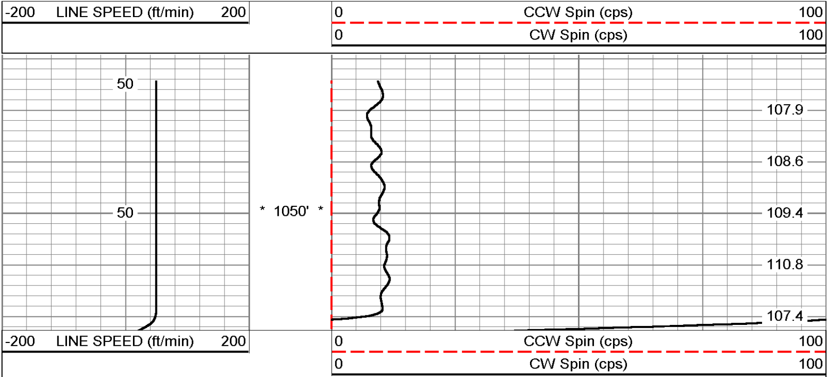
Database File: osf-104.db
Dataset Pathname: run4/pass7
Presentation Format: FLOW
Dataset Creation: Tue Oct 11 14:48:56 2005 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV Geophysical

Station #4: 1050'

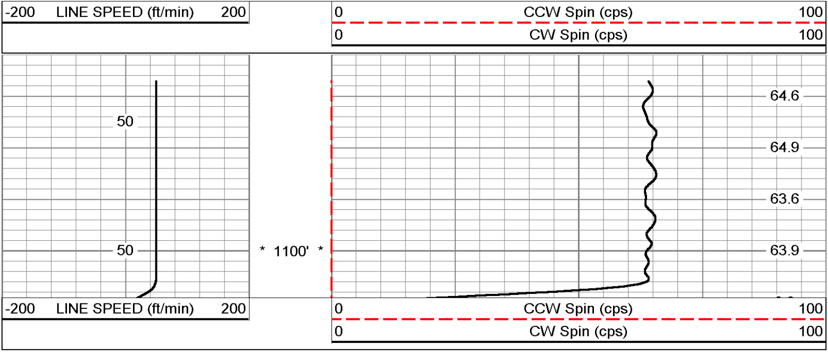
Database File: osf-104.db
Dataset Pathname: run4/pass6
Presentation Format: FLOW
Dataset Creation: Tue Oct 11 14:46:54 2005 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV Geophysical

Station #3: 1100'

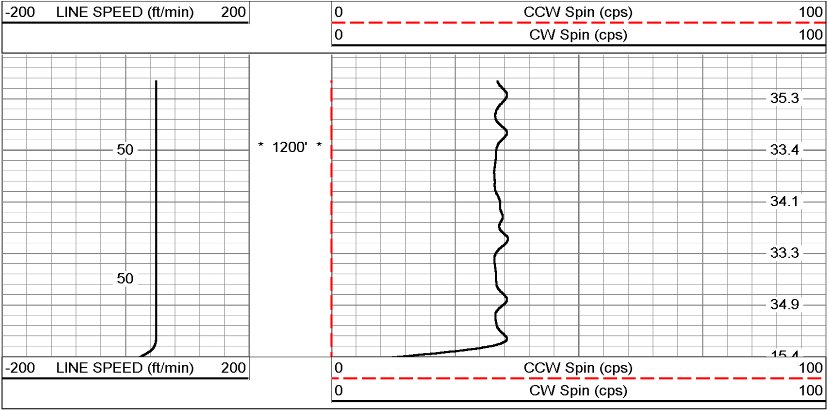
Database File: osf-104.db
Dataset Pathname: run4/pass5
Presentation Format: FLOW
Dataset Creation: Tue Oct 11 14:45:09 2005 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV Geophysical

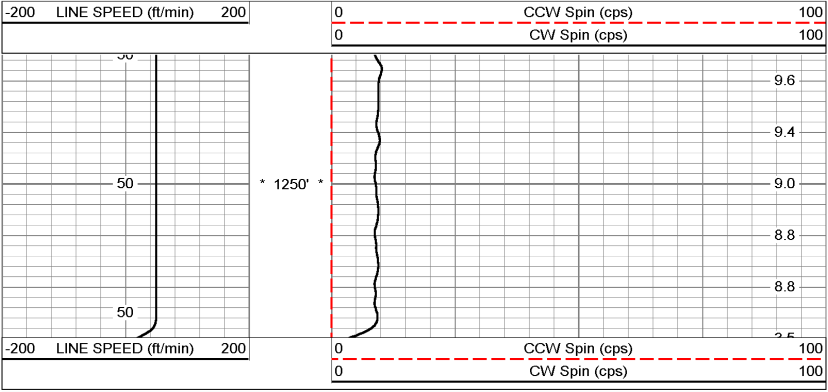
Station #2: 1200'

Database File: osf-104.db
Dataset Pathname: run4/pass4
Presentation Format: FLOW
Dataset Creation: Tue Oct 11 14:42:31 2005 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



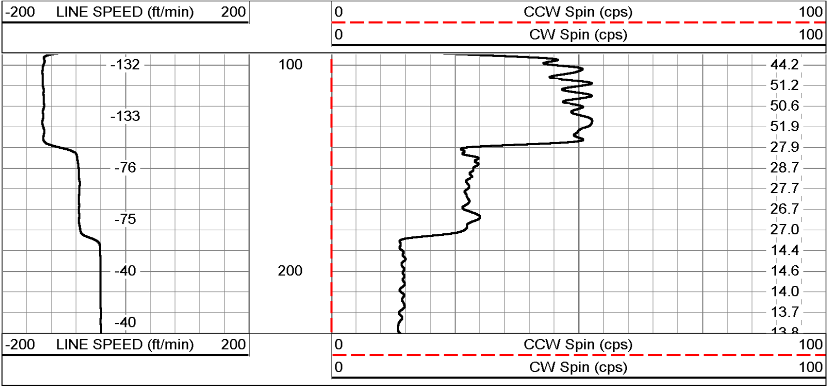
Station #1: 1250'

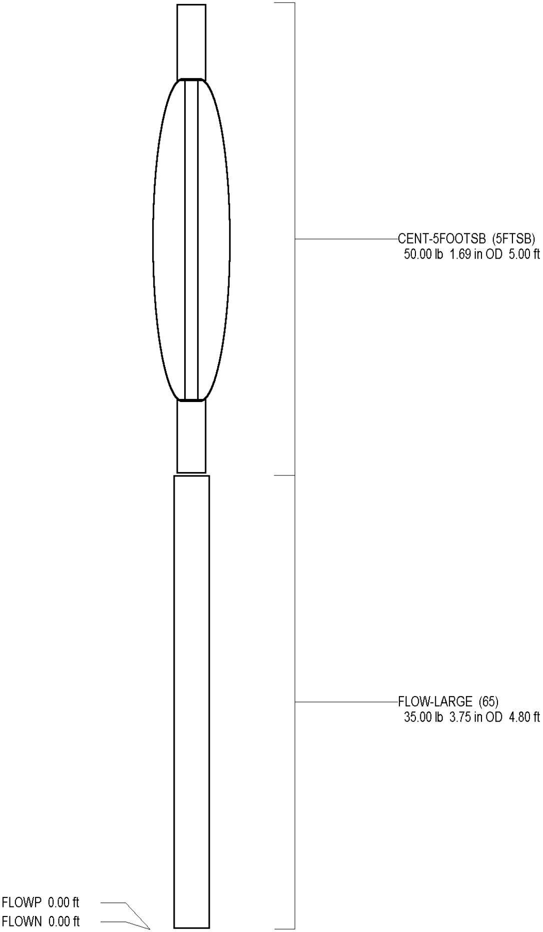
Database File:	osf-104.db
Dataset Pathname:	run4/pass3
Presentation Format:	FLOW
Dataset Creation:	Tue Oct 11 14:40:42 2005 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



Q Calibration Down

Database File:	osf-104.db
Dataset Pathname:	run4/pass1
Presentation Format:	FLOW
Dataset Creation:	Mon Oct 10 23:39:02 2005 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:600





Dataset: run4/pass1
Total Length: 9.80 ft
Total Weight: 85.00 lb
O.D. 3.75 in

MV Geophysical

X-Y CALIPER
GAMMA RAY
LOG

Company	Rowe Drilling Co., Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv	Florida

Company	Rowe Drilling Company, Inc.
Well	OSF-104
Field	S-65A Canal
County	Osceola
State/Prv .	Florida

Location
LAT.: N27 39' 34.8"
LONG.: W81 07'57.7"
S-65A Canal - SFWMD

Other Services
FCT
FLOW
VIDEO

Permanent Datum	G.L.	Elevation
Log Measured From	G.L.	
Drilling Measured From	G.L.	

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

Date	6-OCT-2005		
Run Number	THREE		
Depth Driller	1505'		
Depth Logger	1507'		
Bottom Logged Interval	1507'		
Top Log Interval	90'		
Open Hole Size	9.5"		
Type Fluid	H2O		
Density / Viscosity	NA/NA		
Max. Recorded Temp.	see FCT log		
Estimated Cement Top	NA		
Time Well Ready	09:30 10/6/05		
Time Logger on Bottom	09:30 10/6/05		
Equipment Number	MVGS-1		
Location	Ft. Myers		
Recorded By	S.Miller		
Witnessed By	S.Anderson (SFWMD)	Bobby (RWD)	

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	42'	366'				
TWO	23"	42'	332'				
THREE	9.5"	333'	1505'				
			1507' MVGS				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	24"	.25" WT	SURFACE	42'
Prot. String	18"	.375" WT	SURFACE	333'
Production String				
Liner				
Invoice No.	2005178	P.O. #:	Job No.:	* FIELD PRINT *

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Comments

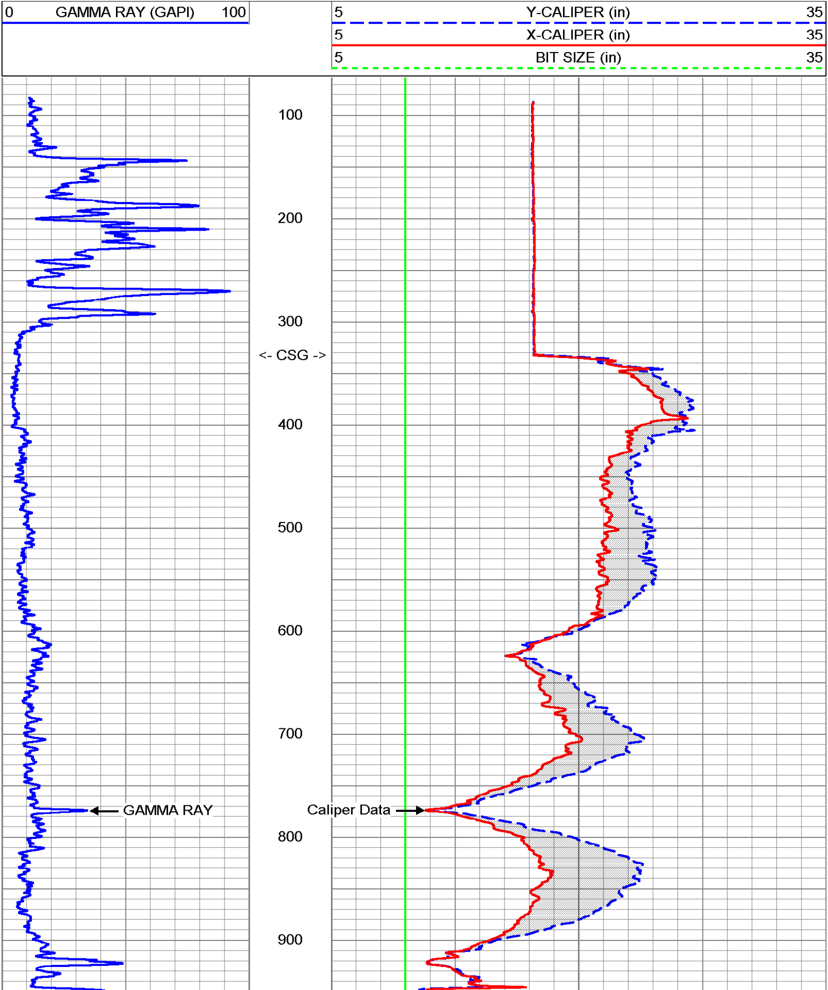
X-Y Caliper Arm Extensions: 33"

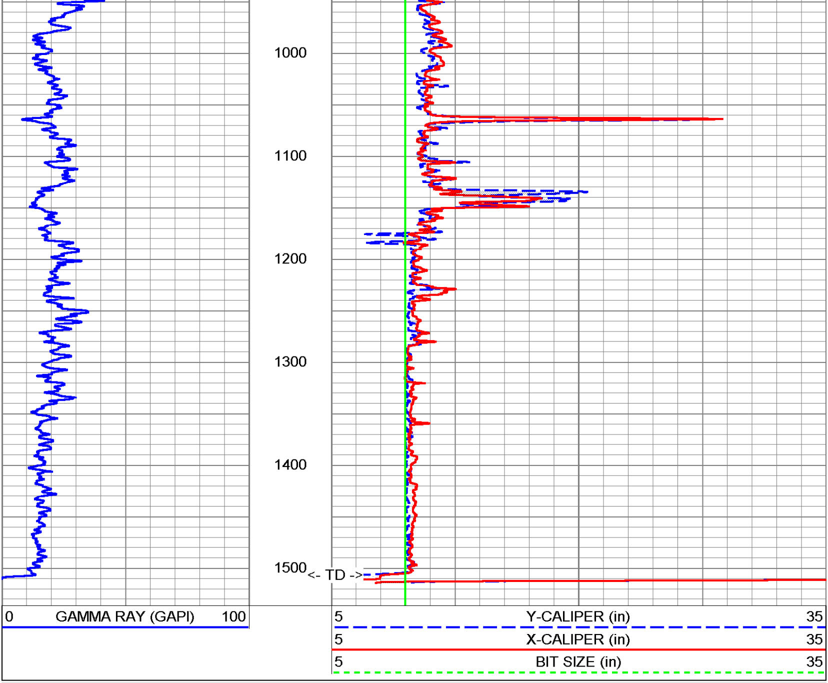
PUMP SET @ ~62'

MV Geophysical

MAIN PASS

Database File:	osf-104.db
Dataset Pathname:	run3/MAIN
Presentation Format:	XY535-1
Dataset Creation:	Thu Oct 06 11:09:40 2005
Charted by:	Depth in Feet scaled 1:1200



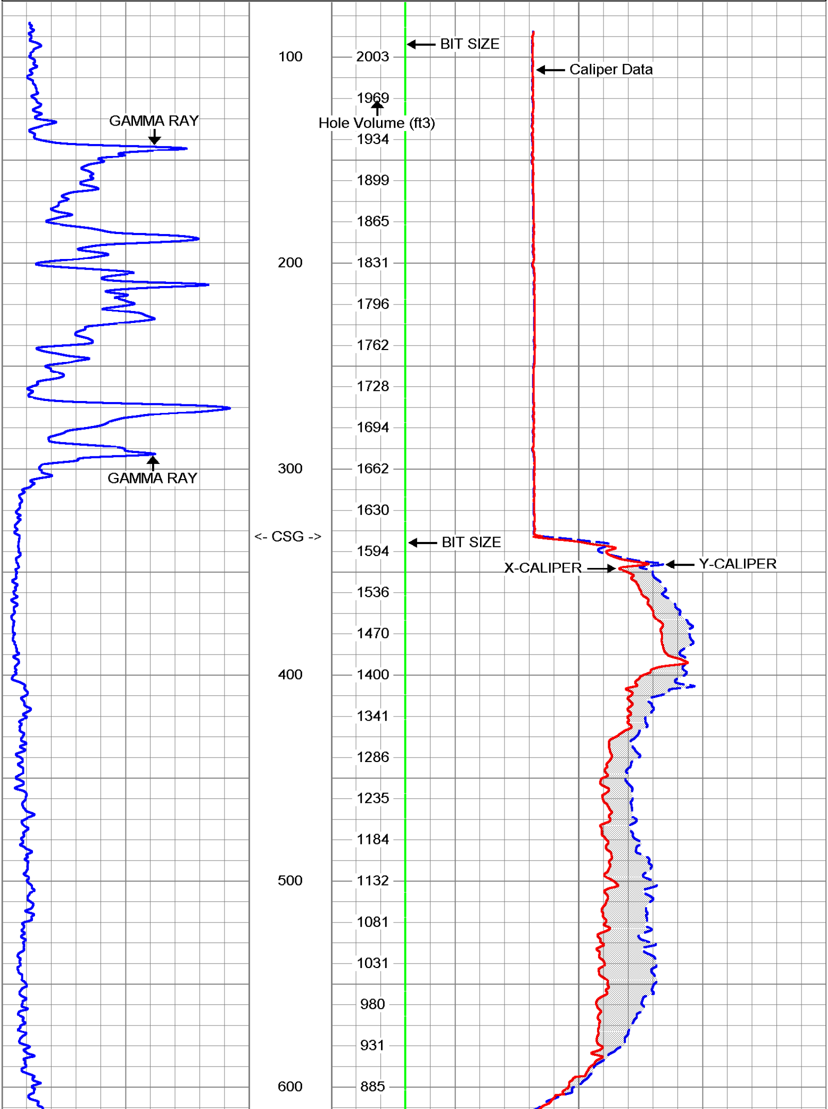


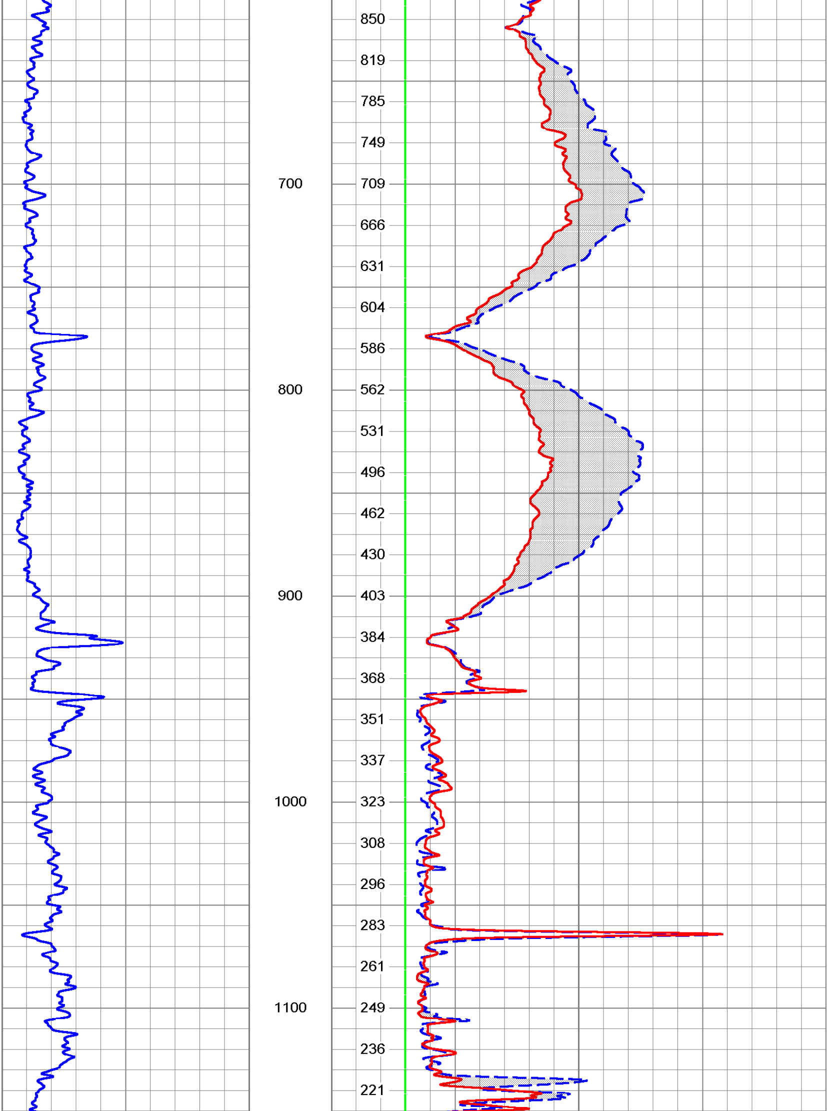
MV
Geophysical

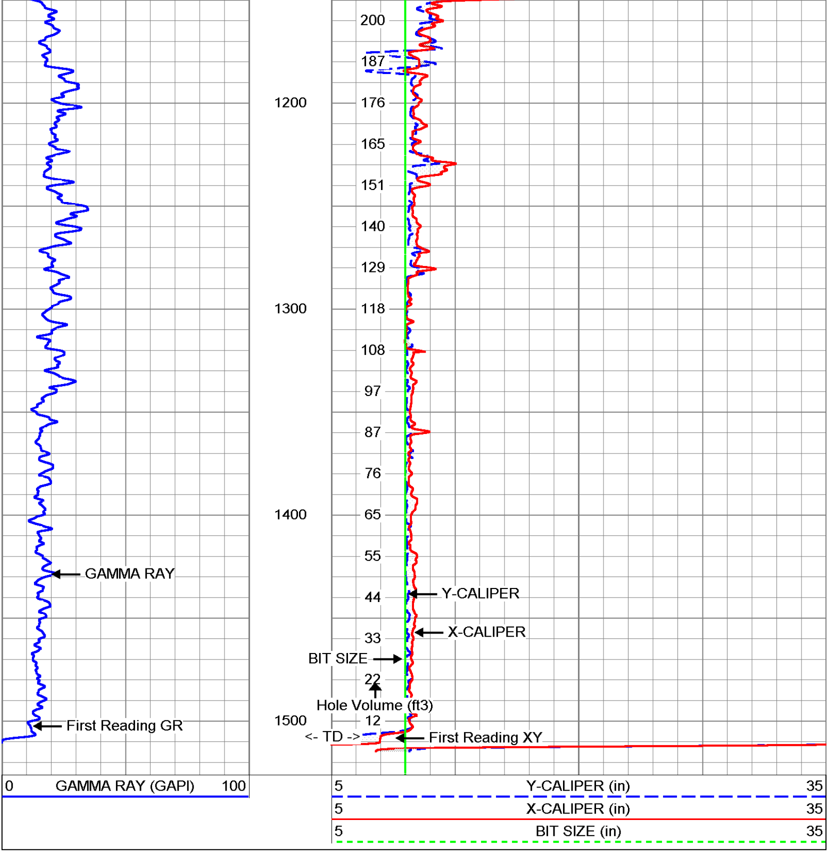
MAIN PASS

Database File: osf-104.db
Dataset Pathname: run3/MAIN
Presentation Format: XY535-5
Dataset Creation: Thu Oct 06 11:09:40 2005
Charted by: Depth in Feet scaled 1:600

0 GAMMA RAY (GAPI) 100
5 Y-CALIPER (in) 35
5 X-CALIPER (in) 35
5 BIT SIZE (in) 35



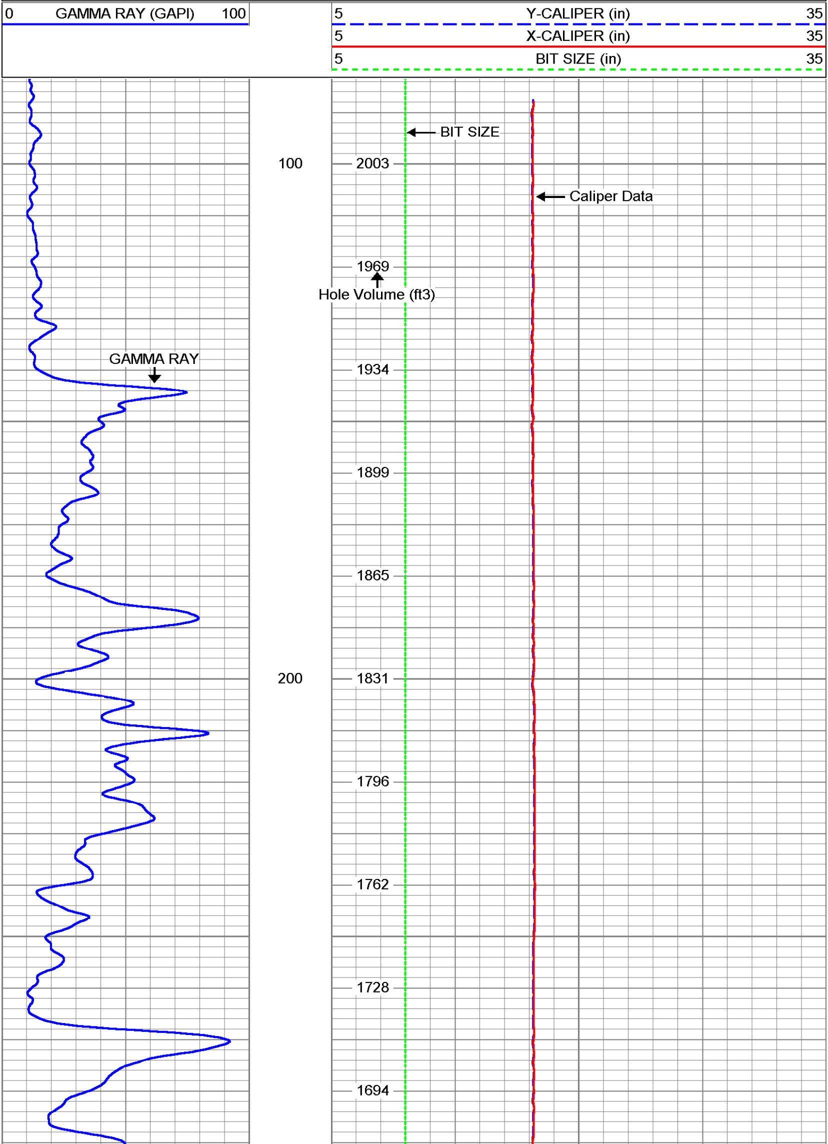


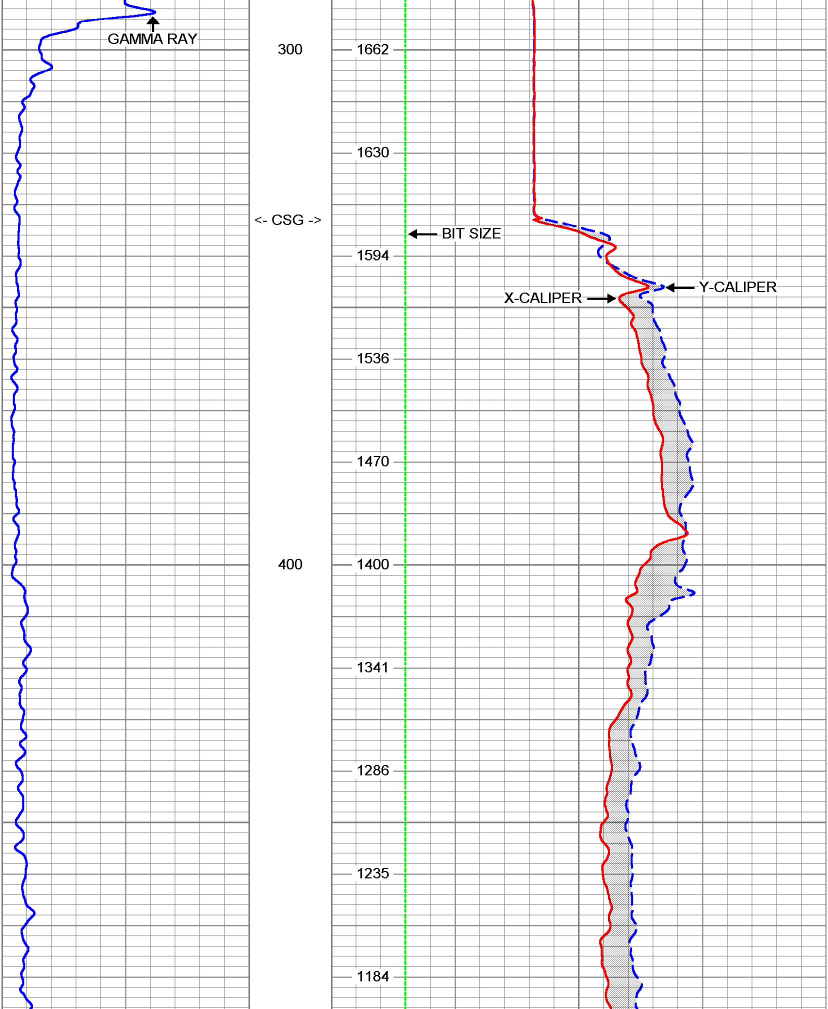


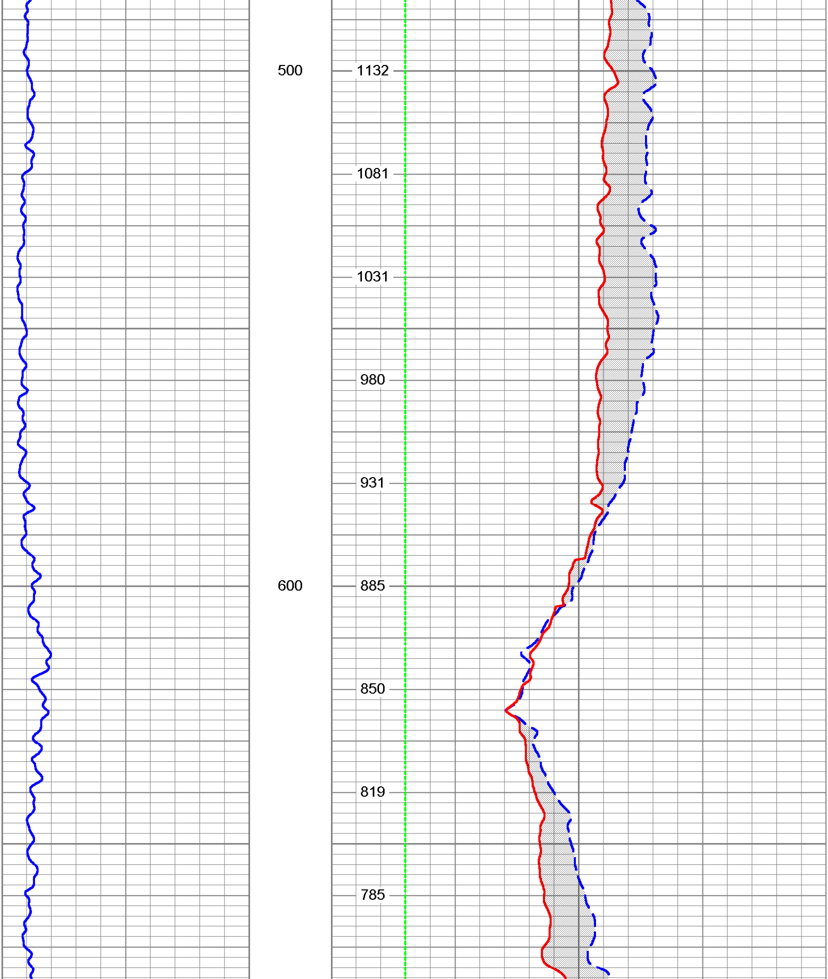
MV
Geophysical

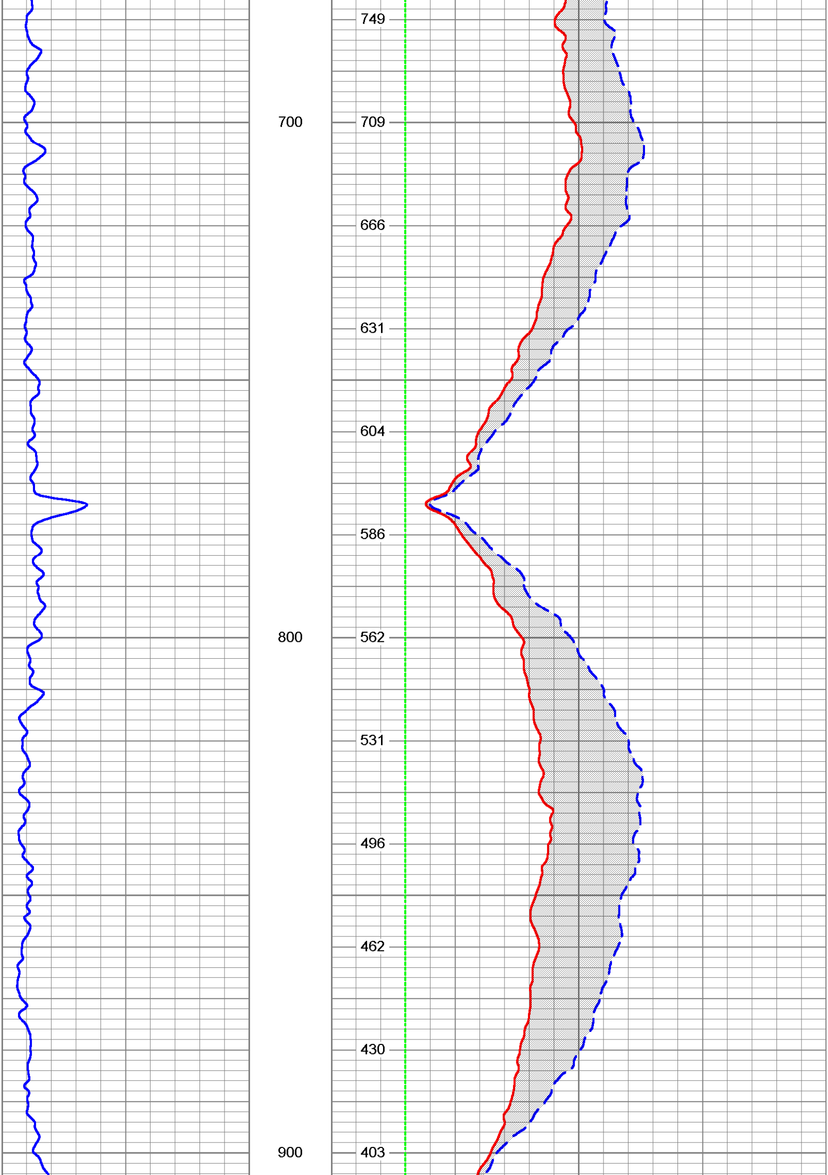
MAIN PASS

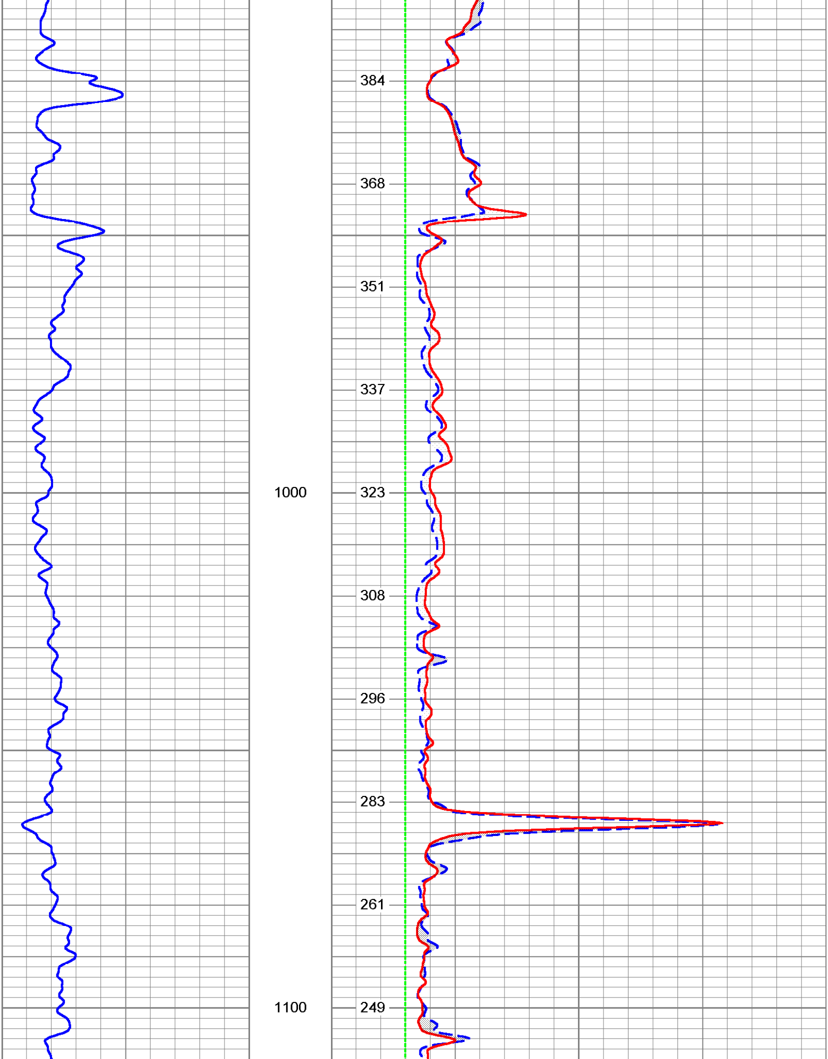
Database File:	osf-104.db
Dataset Pathname:	run3/MAIN
Presentation Format:	XY535-5
Dataset Creation:	Thu Oct 06 11:09:40 2005
Charted by:	Depth in Feet scaled 1:240

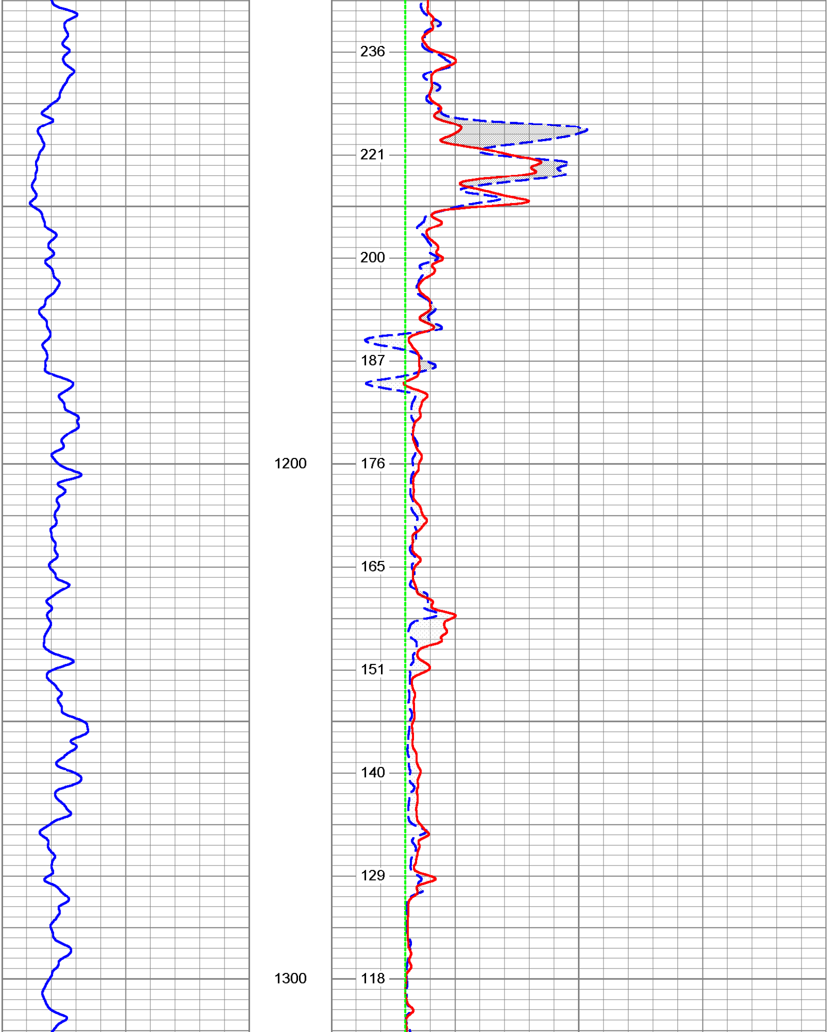


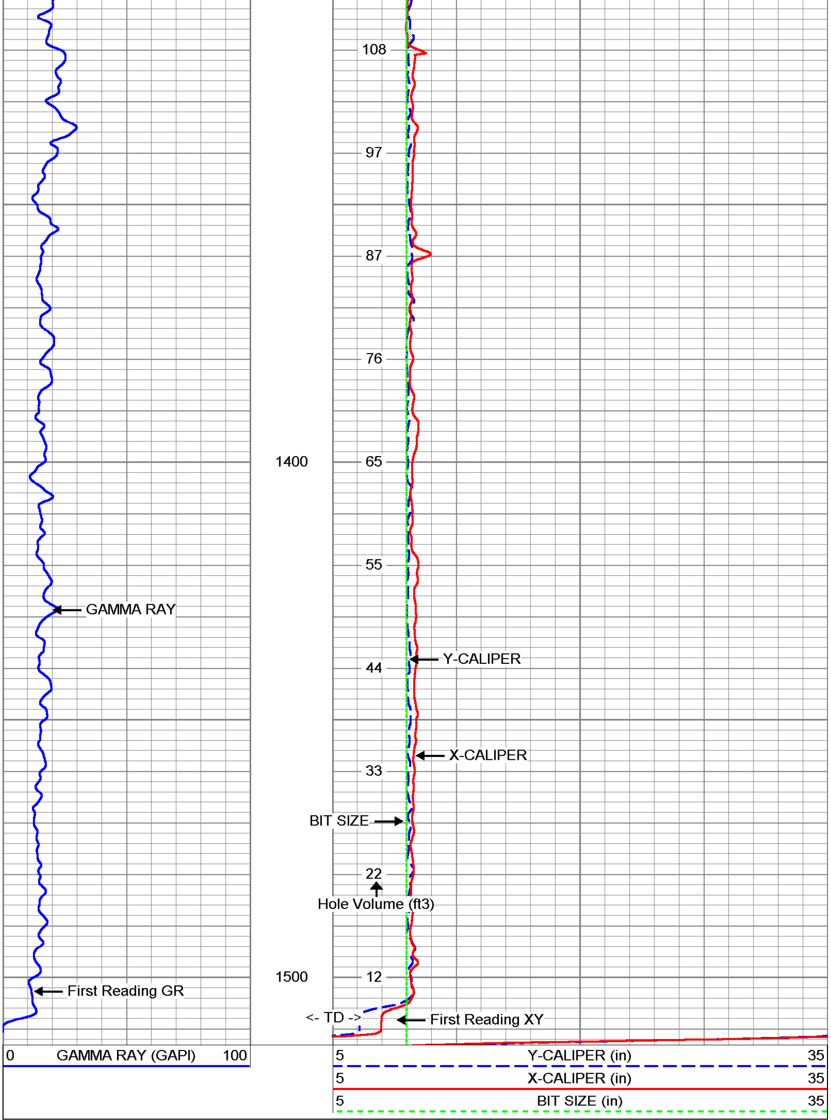








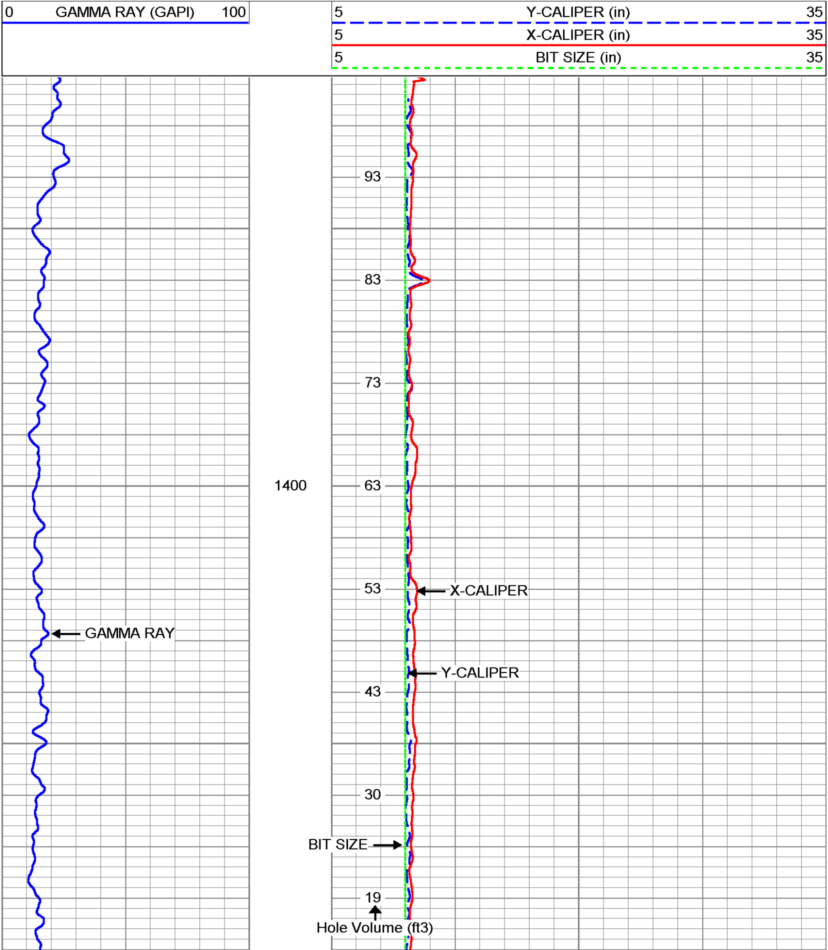


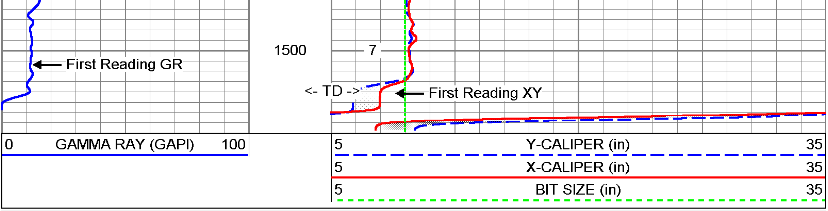


MV
Geophysical

REPEAT SECTION

Database File: osf-104.db
Dataset Pathname: run3/REPEAT
Presentation Format: XY535-5
Dataset Creation: Thu Oct 06 10:04:25 2005
Charted by: Depth in Feet scaled 1:240



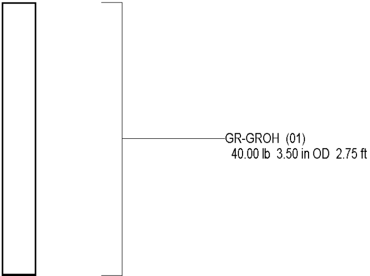


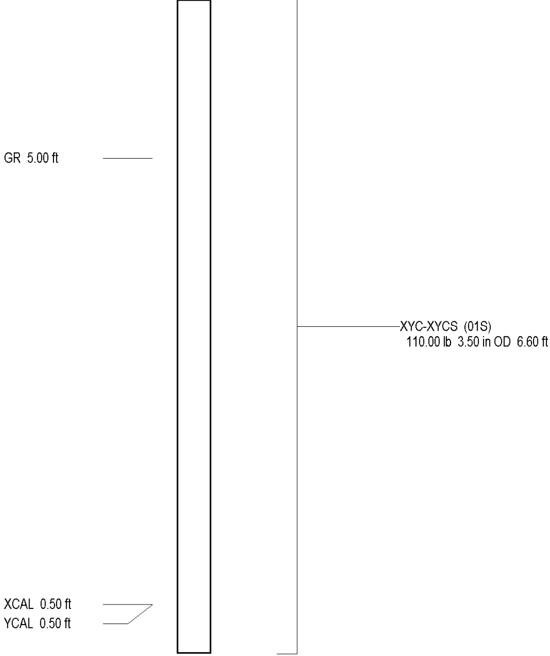
XY Caliper Calibration Report

Serial Number:	01S		
Tool Model:	XYCS		
Performed:	Thu Oct 06 09:49:53 2005		
Small Ring:	9.5	in	
Large Ring:	33	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	614.6	585.1	cps
Reading with Large Ring:	1082.5	1052	cps
Gain:	0.0502244	0.050332	
Offset:	-21.3679	-19.9492	

Gamma Ray Calibration Report

Serial Number:	01	
Tool Model:	GROH	
Performed:	Thu Oct 06 09:39:05 2005	
Calibrator Value:	120	GAPI
Background Reading:	12.41	cps
Calibrator Reading:	128.43	cps
Sensitivity:	1.0343	GAPI/cps





Dataset:	run3/pass1
Total Length:	9.35 ft
Total Weight:	150.00 lb
O.D.	3.50 in