MV Geophysical

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company	Diversified Drilling Corp.
Well	CRA58-EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida

Company	Diversified Drilling Corporation
Well	Port Mayaca
Field	Port Mayaca
County	Martin
State/Prov	Florida
Location	Sec. 14 R35 R37E FSP/MAC CRA58-EXPM-1 SPOMO CRA58 HB, INC.
Elevation	KB/DF 0.0 ft GL 0.0 ft Elevation

Date	05-Dec-2003	Run No.	1
Depth Driller	1200.00	Depth Logged	1200.00
Top Log Int.	0.00	Bottom Log Int.	1200.00
Casing Driller	0.00 @ 0.00	Casing Logged	0.00 @ 0.00
Bit Size	0.00	Type Fluid in Hole	Water
Density	0.00	Viscosity	0.00
Max Rec. Temp.	0.00	Est. Cement Top	0.00
Equipment	3-1/2 DC	Location	Port Mayaca
Recorded By	Jim Wilson	Witnessed By	Mr. Bob Hoffman

Run No.	Bit Size	Type Fluid in Hole	Density	Viscosity	Max Rec. Temp.	Source of Sample	Rm @ Meas. Temp.	Rmf @ Meas. Temp.	Rmc @ Meas. Temp.	Rm @ BHT	Time Since Circ.	Time Logged	Max Recorded Temp.	Equipment	Location
1	0.00	Water	0.00	0.00	0.00									3-1/2 DC	Port Mayaca

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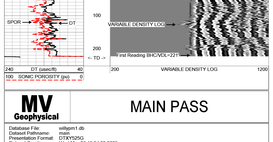
Comments

BHC Sonic was run centralized.

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

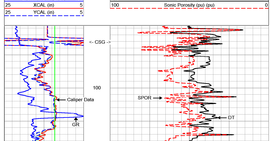
MAIN PASS

Database File: mvlfpam1.db
Dataset Pathname: main
Presentation Format: SON_VDL
Dataset Creation: Wed May 26 19:34:25 2003
Charted by: Depth in Feet scaled 1:200



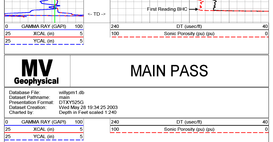
MAIN PASS

Database File: mvlfpam1.db
Dataset Pathname: main
Presentation Format: DTXPOSG
Dataset Creation: Wed May 26 19:34:25 2003
Charted by: Depth in Feet scaled 1:600



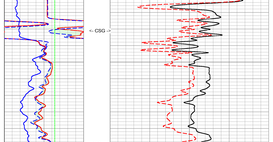
MAIN PASS

Database File: mvlfpam1.db
Dataset Pathname: main
Presentation Format: DTXPOSG
Dataset Creation: Wed May 26 19:34:25 2003
Charted by: Depth in Feet scaled 1:240



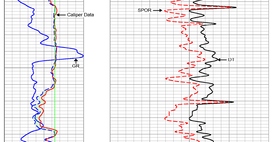
MAIN PASS

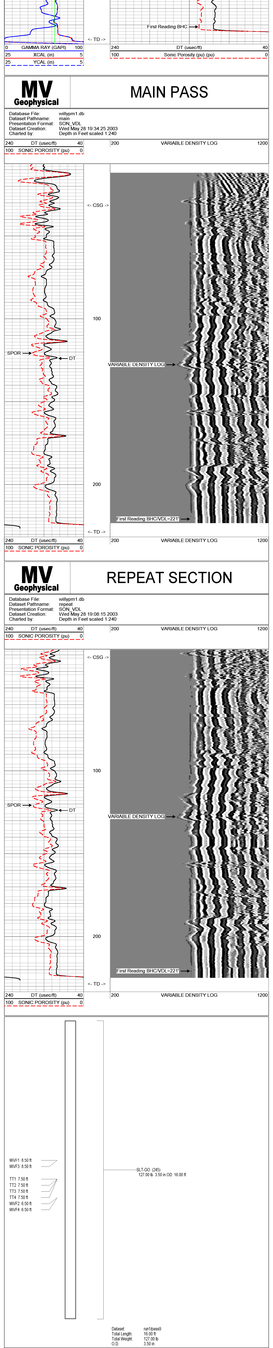
Database File: mvlfpam1.db
Dataset Pathname: main
Presentation Format: SON_VDL
Dataset Creation: Wed May 26 19:34:25 2003
Charted by: Depth in Feet scaled 1:240



REPEAT SECTION

Database File: mvlfpam1.db
Dataset Pathname: repeat
Presentation Format: SON_VDL
Dataset Creation: Wed Jun 18 19:08:15 2003
Charted by: Depth in Feet scaled 1:240





Company	Diversified Drilling Corp.	Well	CRASR-EXPM-1
Field	Port Mayaca	Count	150
County	Martin	State/Prv	Florida

MV Geophysical

XY-CALIPER
GAMMA RAY
LOG

Company: Diversified Drilling Corporation
Well: CRASR-EXPM-1
Field: Port Mayaca
County: Martin
State/Prv: Florida

Elevation: Log Measured From: Drilling Measured From: Permanent Datum: Elevation: Date: Run No.: Depth Driller: Depth Logged: Top Log Int.: Bottom Log Int.: Casing Driller: Casing Logger: Bit Size: Type Fluid in Hole: Density: Viscosity: Max. Rec. Temp.: Est. Cir. Temp.: Equip. Location: Recorded By: Witnessed By:

Log Measured From: Drilling Measured From: Date: Run No.: Depth Driller: Depth Logged: Top Log Int.: Bottom Log Int.: Casing Driller: Casing Logger: Bit Size: Type Fluid in Hole: Density: Viscosity: Max. Rec. Temp.: Est. Cir. Temp.: Equip. Location: Recorded By: Witnessed By:

Elevation:		Log Measured From:	Drilling Measured From:
Permanent Datum:	Ground Level	Date:	03-12-2003
Run No.:	ONE	Depth Driller:	0.0 ft
Depth Logged:	0.0 ft	Top Log Int.:	0.0 ft
Bottom Log Int.:	0.0 ft	Casing Driller:	0.0 ft
Casing Logger:		Bit Size:	0.0 in
Type Fluid in Hole:		Density:	
Viscosity:		Max. Rec. Temp.:	
Est. Cir. Temp.:		Equip. Location:	
Recorded By:		Witnessed By:	

CRBP Plend # 0000421001C
SFWMD / CADM Mfg. Inc.
Serial # 0000421001C
Date Stamp: 03/12/03

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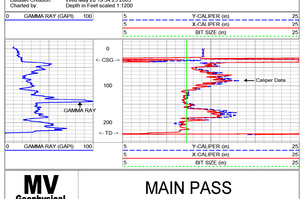
Comments

X-Y Caliper Arm Extensions: 34"

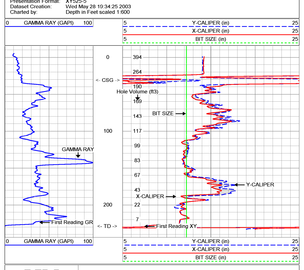
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-1
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:1200



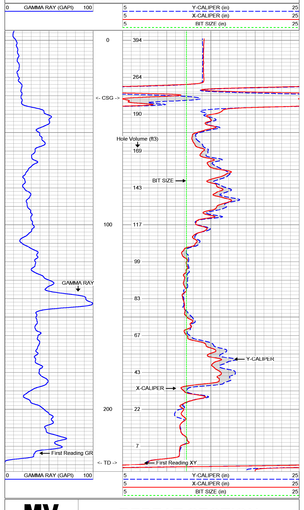
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:500



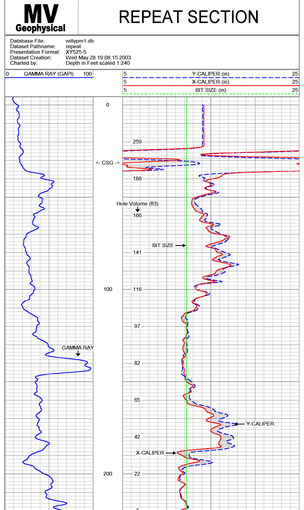
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:240



MV Geophysical — REPEAT SECTION

Database File: wellsym1.db
Dataset Pathname: repeat
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:08:11 2003
Charted by: Depth in Feet scaled 1:240

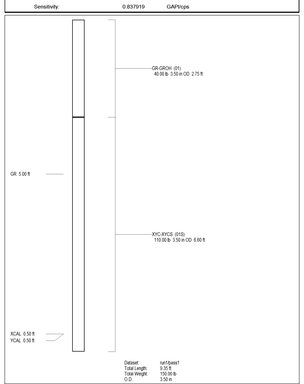


XY Caliper Calibration Report

Serial Number:	015		
Tool Model:	XYCS		
Performed:	Wed May 28 18:25:47 2003		
Small Ring:	5	in	
Large Ring:	33	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	497.817	507.143	cps
Reading with Large Ring:	1039.76	1045.01	cps
Gain:	0.0516658	0.0520579	
Offset:	-20 /201	-21 /4008	

Gamma Ray Calibration Report

Serial Number:	01		
Tool Model:	GRCH		
Performed:	Wed May 28 08:47:50 2003		
Calibrator Value:	120	GAPI	
Background Reading:	10.456	cps	
Calibrator Reading:	153.668	cps	
Sensitivity	0.837919	GAPI/cps	



Dataset: rar15sect1
Total Length: 3.33 ft
Total Weight: 150.00 lb
O.D.: 3.50 in

Company	Diversified Drilling Corp.	Well	CRASR-EXPM-1
Field	Port Mayaca	Count	150
County	Martin	State/Prv	Florida

MV Geophysical

XY-CALIPER
GAMMA RAY
LOG

Company: Diversified Drilling Corporation
Well: CRASR-EXPM-1
Field: Port Mayaca
County: Martin
State/Prv: Florida

Elevation: Log Measured From: Drilling Measured From: Permanent Datum: Elevation: Date: Run No.: Depth Driller: Depth Logged: Top Log Int.: Bottom Log Int.: Casing Driller: Casing Logger: Bit Size: Type Fluid in Hole: Density: Viscosity: Max. Rec. Temp.: Est. Cir. Temp.: Equip. Location: Recorded By: Witnessed By:

Log Measured From: Drilling Measured From: Date: Run No.: Depth Driller: Depth Logged: Top Log Int.: Bottom Log Int.: Casing Driller: Casing Logger: Bit Size: Type Fluid in Hole: Density: Viscosity: Max. Rec. Temp.: Est. Cir. Temp.: Equip. Location: Recorded By: Witnessed By:

Elevation:		Log Measured From:	Drilling Measured From:
Permanent Datum:	Ground Level	Date:	03-12-2003
Run No.:	ONE	Depth Driller:	0.0 ft
Depth Logged:	0.0 ft	Top Log Int.:	0.0 ft
Bottom Log Int.:	0.0 ft	Casing Driller:	0.0 ft
Casing Logger:		Bit Size:	0.0 in
Type Fluid in Hole:		Density:	
Viscosity:		Max. Rec. Temp.:	
Est. Cir. Temp.:		Equip. Location:	
Recorded By:		Witnessed By:	

CRBP Plend # 0000421001C
SFWMD / CADM Mfg. Inc.
Serial # 0000421001C
Date Stamp: 03/12/03

<< End Here >>

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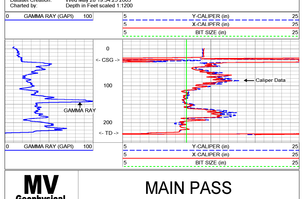
Comments

X-Y Caliper Arm Extensions: 34"

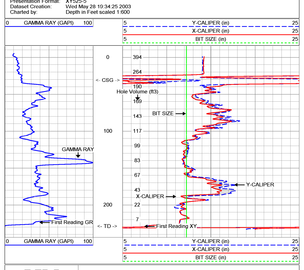
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-1
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:1200



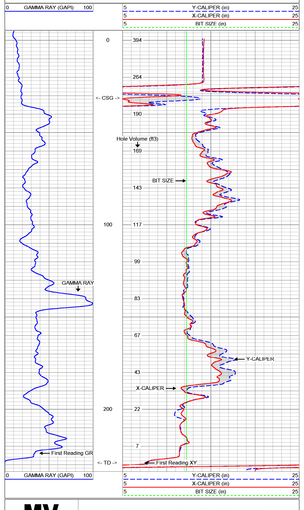
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:500



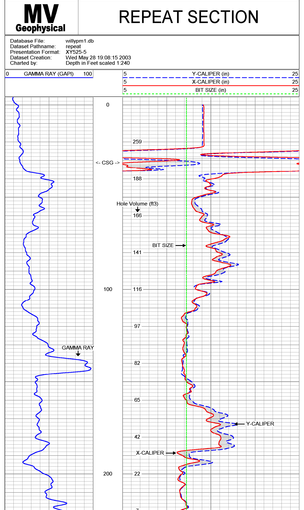
MV Geophysical — MAIN PASS

Database File: wellsym1.db
Dataset Pathname: main
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:34:25 2003
Charted by: Depth in Feet scaled 1:240



MV Geophysical — REPEAT SECTION

Database File: wellsym1.db
Dataset Pathname: repeat
Presentation Format: XY525-5
Dataset Creation: Wed May 28 19:08:11 2003
Charted by: Depth in Feet scaled 1:240

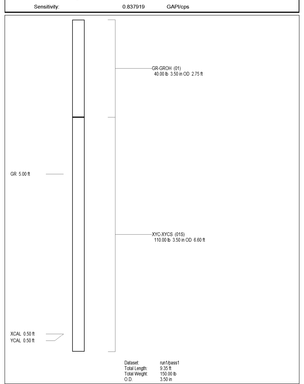


XY Caliper Calibration Report

Serial Number:	015		
Tool Model:	XYCS		
Performed:	Wed May 28 18:25:47 2003		
Small Ring:	5	in	
Large Ring:	33	in	
	X Caliper	Y Caliper	
Reading with Small Ring:	497.817	507.143	cps
Reading with Large Ring:	1039.76	1045.01	cps
Gain:	0.0516658	0.0520579	
Offset:	-20 /201	-21 /4008	

Gamma Ray Calibration Report

Serial Number:	01		
Tool Model:	GRCH		
Performed:	Wed May 28 08:47:50 2003		
Calibrator Value:	120	GAPI	
Background Reading:	10.456	cps	
Calibrator Reading:	153.668	cps	
Sensitivity	0.837919	GAPI/cps	



Dataset: rar15sect1
Total Length: 3.33 ft
Total Weight: 150.00 lb
O.D.: 3.50 in

MV Geophysical

CEMENT TOP TEMPERATURE GAMMA RAY LOG

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida

Location: Sec. 14 T40S R37E; FDEP Permit #: 096641-001UC; SFWMD / CH2M Hill, Inc.

Other Services: NONE

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

Date	11-JUNE-2003
Run Number	THREE
Depth Driller	158'
Depth Logger	150' Cmt. Plug
Bottom Logged Interval	150'
Top Log Interval	SURFACE
Open Hole Size	34"
Type Fluid	MUD
Density / Viscosity	Unknown
Max. Recorded Temp.	109 degF
Estimated Cement Top	SURFACE
Time Well Ready	08:00 06/11/03
Time Logger on Bottom	08:30 6/11/03
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S.Miller
Witnessed By	Willy (DDC)

Borehole Record

Run Number	Bit	From	To
ONE	12.25"	31'	230'
TWO	40"	31'	158'

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	31'
Prot. String	34"	0.375" WT	SURFACE	155'
Production String				
Liner	2-25-2x			

Invoice No. 2003153 P.O. #: 22346 Job No.: 2082 * FINAL PRINT *

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Comments

ESTIMATED CEMENT TOP

Stage	Logger
#1	29'

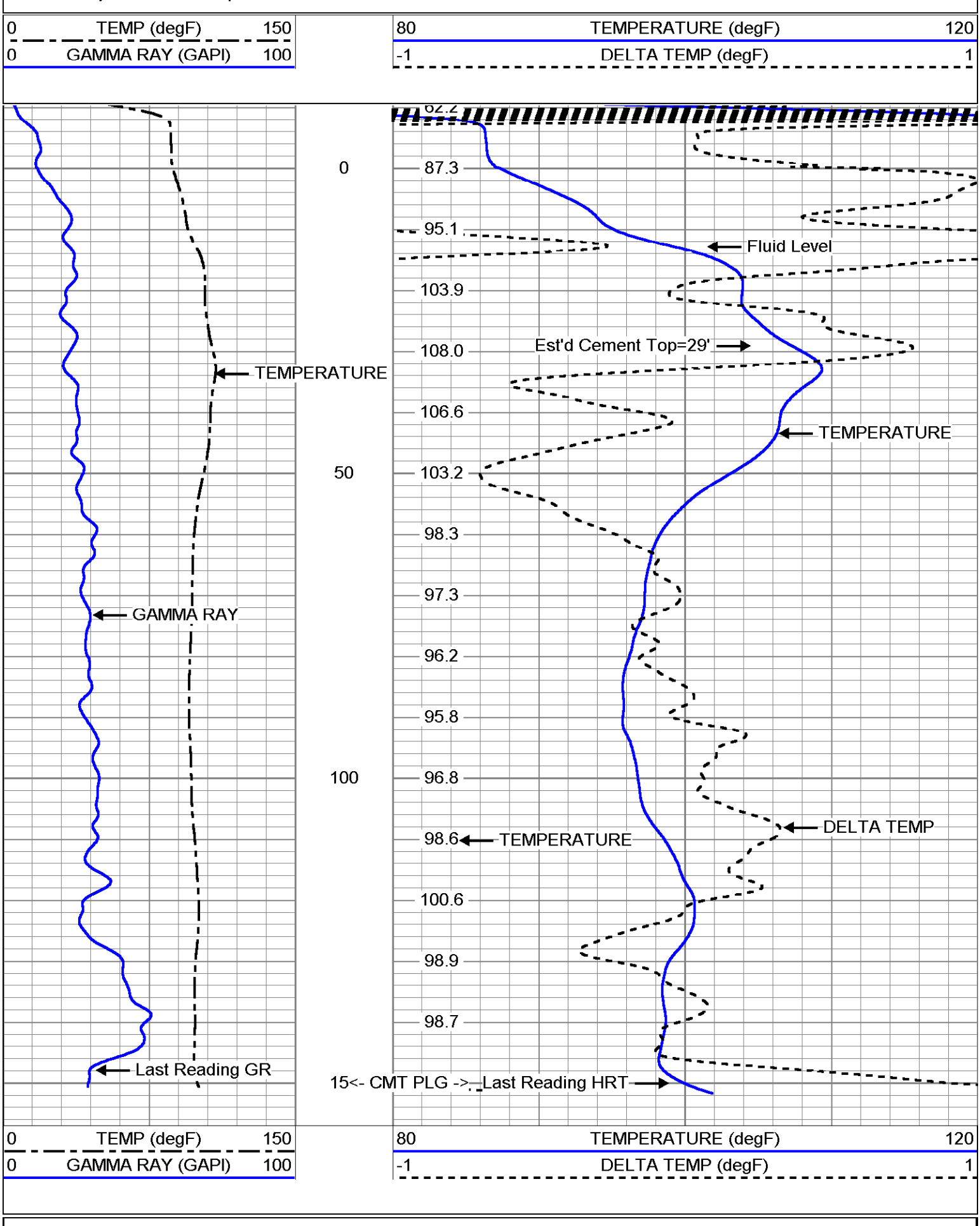
TEMPERATURE CALIBRATION REPORT
(performed: 18-MAY-2003 11:45)

DEG-F	CPS
33.9	141.25
151.8	2743.11

MV Geophysical

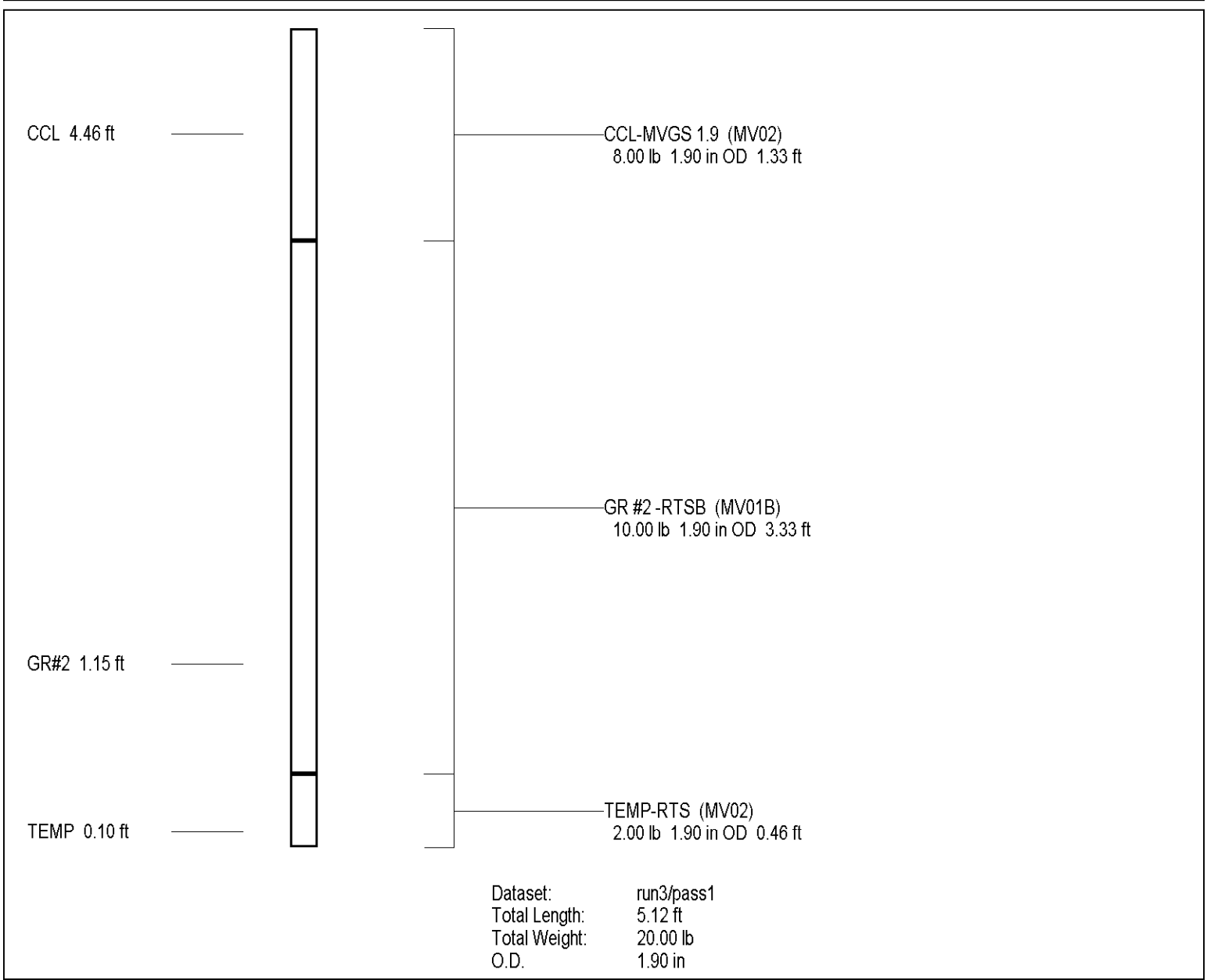
Stage 1 Cement Top = 29'

Database File:	willypm1.db
Dataset Pathname:	run3/pass1
Presentation Format:	CTLLAKEO
Dataset Creation:	Wed Jun 11 08:21:36 2003 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



Gamma Ray Calibration Report

Serial Number:	MV01B	
Tool Model:	RTSB	
Performed:	Wed Jun 11 08:20:05 2003	
Calibrator Value:	120	GAPI
Background Reading:	14.7817	cps
Calibrator Reading:	120.523	cps
Sensitivity:	1.13485	GAPI/cps



Dataset:	run3/pass1
Total Length:	5.12 ft
Total Weight:	20.00 lb
O.D.	1.90 in

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

MV Geophysical

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida
Location	Sec. 14 T40S R37E FDEP Permit #: 096641-001UC SFWMD / CH2M Hill, Inc.
Other Services	XY/GR DIL/SP
Permanent Datum	G.L.
Log Measured From	G.L.
Drilling Measured From	G.L.
Elevation	K.B. D.F. G.L.

Date	26-JUN-2003
Run Number	FOUR
Depth Driller	880'
Depth Logger	880'
Bottom Logged Interval	872'
Top Log Interval	95'
Open Hole Size	9.875"
Type Fluid	MUD
Density / Viscosity	9.6#/52
Max. Recorded Temp.	86 degF
Estimated Cement Top	SURFACE
Time Well Ready	08:30 6/26/03
Time Logger on Bottom	17:00 6/26/03
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S.Miller/A.McThenia
Witnessed By	M.Munroe (BFA) Willy (DDC)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	31'	230'				
TWO	40"	31'	158'				
THREE	9.875"	155'	880'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	31'
Prot. String	34"	0.375" WT	SURFACE	155'
Production String				
Liner	2-25-2x			

Invoice No. 2003163 | P.O. #: 22346 | Job No.: 2082 | * FINAL PRINT *

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Comments

BHC Sonic was run centralized.

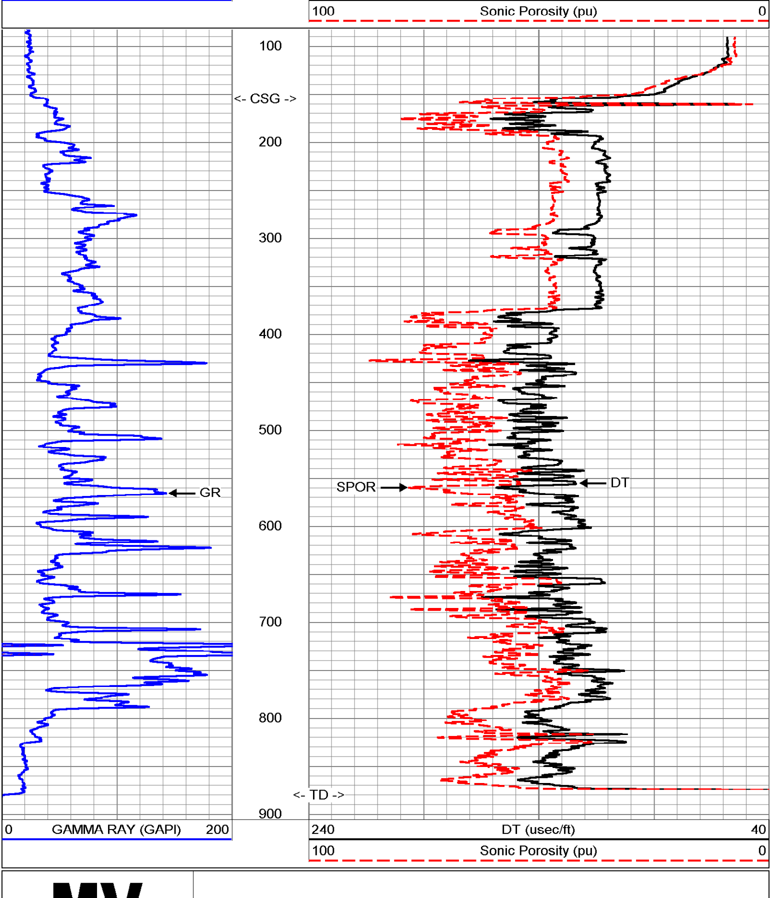
Sonic Porosity was run on a Limestone Matrix (=47.5)

MAIN PASS

MV Geophysical

Database File: willypm1.db
Dataset Pathname: run4/MAIN
Presentation Format: DT1-200
Dataset Creation: Thu Jun 26 17:13:09 2003
Charted by: Depth in Feet scaled 1:1200

0 GAMMA RAY (GAPI) 200 | 240 DT (usec/ft) 40 | 100 Sonic Porosity (pu) 0



0 GAMMA RAY (GAPI) 200 | 240 DT (usec/ft) 40 | 100 Sonic Porosity (pu) 0

MAIN PASS

MV Geophysical

Database File: willypm1.db
Dataset Pathname: run4/MAIN
Presentation Format: DTXY52PG
Dataset Creation: Thu Jun 26 17:13:09 2003
Charted by: Depth in Feet scaled 1:600

0 GAMMA RAY (GAPI) 200 | 25 XCAL (in) 5 | 25 YCAL (in) 5 | 25 BOREID (in) 5 | 240 DT (usec/ft) 40 | 100 Sonic Porosity (pu) (pu) 0

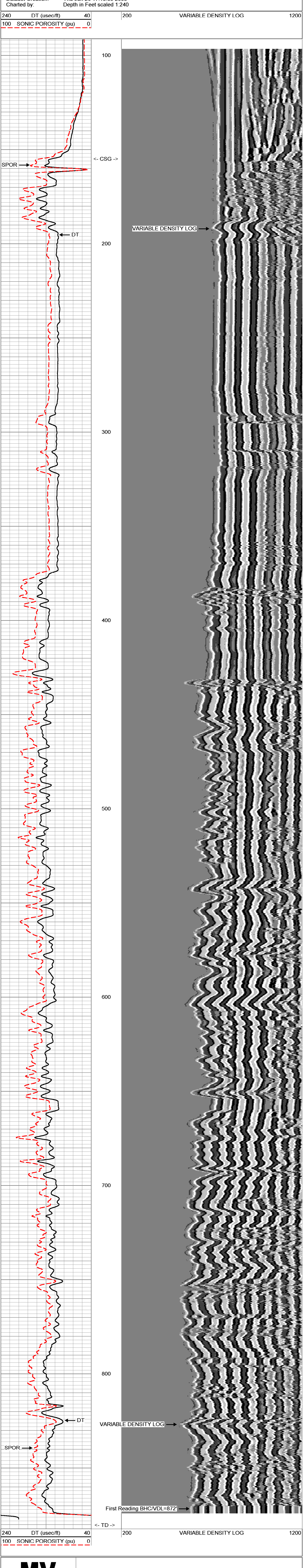
0 GAMMA RAY (GAPI) 200 | 25 XCAL (in) 5 | 25 YCAL (in) 5 | 25 BOREID (in) 5 | 240 DT (usec/ft) 40 | 100 Sonic Porosity (pu) (pu) 0

MAIN PASS

MV Geophysical

Database File: willypm1.db
Dataset Pathname: run4/MAIN
Presentation Format: SON_VDL
Dataset Creation: Thu Jun 26 17:13:09 2003
Charted by: Depth in Feet scaled 1:240

240 DT (usec/ft) 40 | 100 SONIC POROSITY (pu) 0 | 200 VARIABLE DENSITY LOG 1200



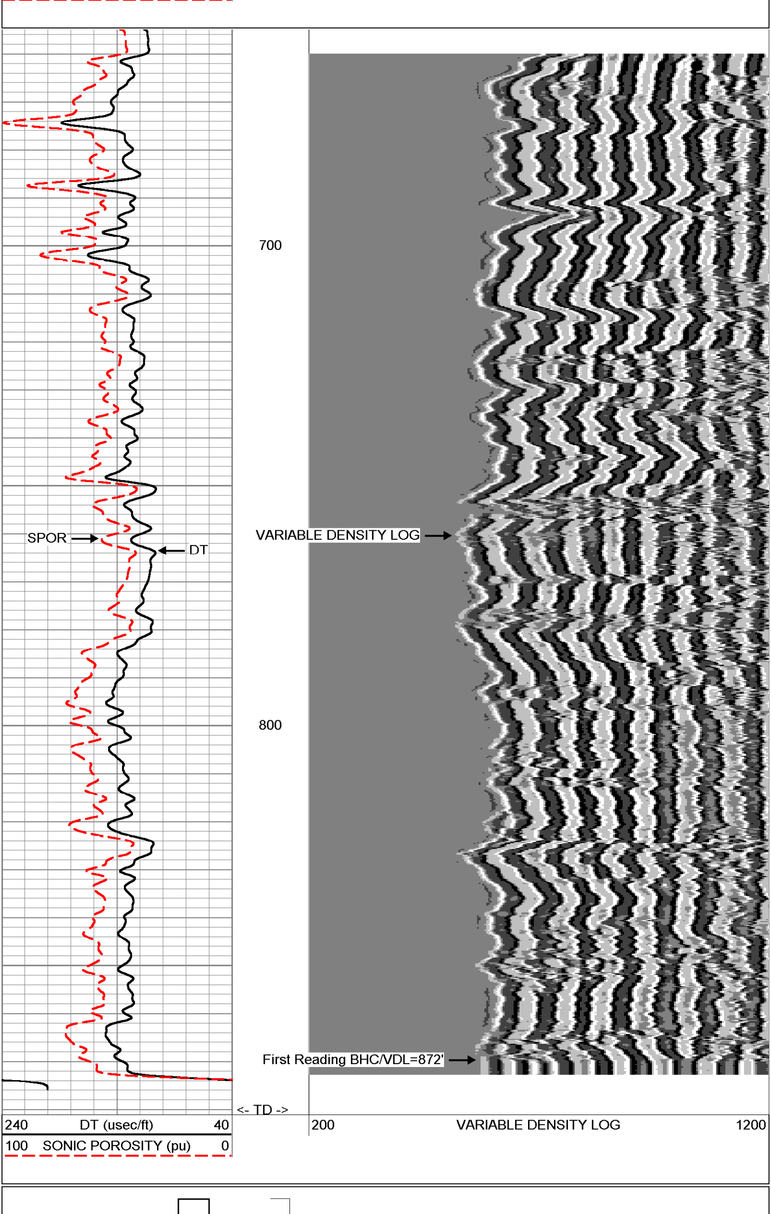
240 DT (usec/ft) 40 | 100 SONIC POROSITY (pu) 0 | 200 VARIABLE DENSITY LOG 1200

REPEAT SECTION

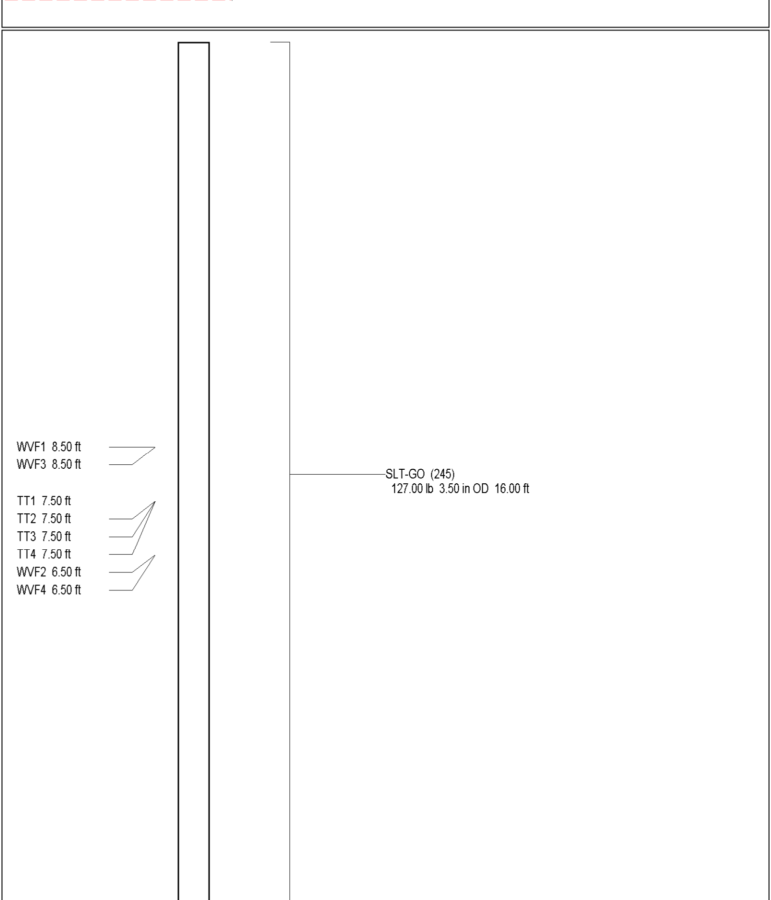
MV Geophysical

Database File: willypm1.db
Dataset Pathname: run4/REPEAT
Presentation Format: SON_VDL
Dataset Creation: Thu Jun 26 17:18:56 2003
Charted by: Depth in Feet scaled 1:240

240 DT (usec/ft) 40 | 100 SONIC POROSITY (pu) 0 | 200 VARIABLE DENSITY LOG 1200



240 DT (usec/ft) 40 | 100 SONIC POROSITY (pu) 0 | 200 VARIABLE DENSITY LOG 1200



Dataset: run4/pass9
Total Length: 16.00 ft
Total Weight: 127.00 lb
O.D. 3.50 in

Company	Diversified Drilling Corp.
Well	Fort Mitchell
Field	Mitchell
County	Martin
State	Florida
Other Services	
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation	K.B. 0 ft.
D.F. 0 ft.	G.L. 0 ft.
Date	17-10-98
Run Number	ONE
Depth-Driller	1000 ft.
Depth-Logger	1000 ft.
Bottom Logged Interval	1000 ft.
Top Log Interval	0 ft.
Casing-Driller	20 in. @ 0 ft.
Casing-Logger	20 in. @ 0 ft.
Bit Size	17 1/2 in.
Type Fluid in Hole	Water
Density	8.3 lb/gal
Viscosity	28 s
Fluid Loss	N/A
Source of Sample	Pit
Rm @ Meas. Temp.	0.0 @ 0 F
Rmf @ Meas. Temp.	0.0 @ 0 F
Rmc @ Meas. Temp.	0.0 @ 0 F
Source Rmf / Rmc	N/A / N/A
Rm @ BHT	0.0 @ 0 F
Time Since Circulation	0 hrs.
Time Since Stop	0 hrs.
Max. Rec. Temp.	0 F
Equipment Number	1
Location	Martin, Florida
Recorded By	Jim Ward
Witnessed By	Mr. Bob Hatch

MV Geophysical

FORT MITCHELL
GAMMA RAY
CCL LOG

Disclaimer

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CALIPER

Maximum Caliper Arm Extension: 35"

MAIN PASS

Calibration Type: calibration dB
Calibration Method: Gamma Ray
Presentation Format: EPCHDS
Depth Scale: 1 inch = 100 feet
Channel Up: Depth in Feet scaled 1:1000
Channel Down: Thu Jun 06 17:10:06 2002
Processed Date: Thu Jun 06 17:10:06 2002
Channel Up: Thu Jun 06 17:10:06 2002

GAMMA RAY (GAPI) 200 | 1 CALIPER (in) 4 | 2 CALIPER (in) 16 | BIT SIZE (in) 16 | 3 Caliper Cpts

MAIN PASS

Calibration Type: calibration dB
Calibration Method: Gamma Ray
Presentation Format: EPCHDS
Depth Scale: 1 inch = 100 feet
Channel Up: Depth in Feet scaled 1:1000
Channel Down: Thu Jun 06 17:10:06 2002
Processed Date: Thu Jun 06 17:10:06 2002
Channel Up: Thu Jun 06 17:10:06 2002

GAMMA RAY (GAPI) 200 | 1 CALIPER (in) 4 | 2 CALIPER (in) 16 | BIT SIZE (in) 16 | 4 CALIPER | 5 CALIPER | Hole Volume (ft³) | 6 Fast Reading UP

MAIN PASS

Calibration Type: calibration dB
Calibration Method: Gamma Ray
Presentation Format: EPCHDS
Depth Scale: 1 inch = 100 feet
Channel Up: Depth in Feet scaled 1:1000
Channel Down: Thu Jun 06 17:10:06 2002
Processed Date: Thu Jun 06 17:10:06 2002
Channel Up: Thu Jun 06 17:10:06 2002

GAMMA RAY (GAPI) 200 | 1 CALIPER (in) 4 | 2 CALIPER (in) 16 | BIT SIZE (in) 16 | 4 CALIPER | 5 CALIPER | Hole Volume (ft³) | 6 Fast Reading UP | 7 Fast Reading DP

REPEAT SECTION

Calibration Type: calibration dB
Calibration Method: Gamma Ray
Presentation Format: EPCHDS
Depth Scale: 1 inch = 100 feet
Channel Up: Depth in Feet scaled 1:1000

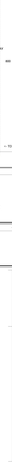
GAMMA RAY (GAPI) 200 | 1 CALIPER (in) 4 | 2 CALIPER (in) 16 | BIT SIZE (in) 16 | 4 CALIPER | 5 CALIPER | GAMMA RAY | 6 Fast Reading UP

BT Caliper Calibration Report

Serial Number	2202		
Calibration Date	06-Jun-02		
Performed	Thu Jun 06 20:21:46 2002		
Small Ring	7	7	
Large Ring	35	35	
	BT Caliper	BT Caliper	
Reading with Small Ring	10.4 ATD	10.4 ATD	cals
Reading with Large Ring	10.4 ATD	10.4 ATD	cals
Cpts	0.0PSI/inch	0.0PSI/inch	
Offset	0.0 inches	0.0 inches	

Gamma Ray Calibration Report

Serial Number	2202	
Calibration Date	06-Jun-02	
Performed	Thu Jun 06 20:21:34 2002	
Calibrator Value	123	GAPI
Measured Reading	10.4 API/API	cps
Calibrator Reading	10.4 API/API	cps
Serial Number	2.6E+07	CdTTcps



Company:	Diversified Drilling Corp.
Vessel:	DDRIII-1
Client:	Full Measure
Well:	Bluefish
Country:	Florida

MV Geophysical

DIGITAL INCLINATION LOG

DDRIII-1 Drilling Conversion

Bluefish

Gulf of Mexico

Beach Florida

March

Date:	15-Mar-05	Time:	12:00
Depth:	0	Depth:	0
Date:	16-Mar-05	Time:	12:00
Depth:	1,000	Depth:	1,000
Date:	17-Mar-05	Time:	12:00
Depth:	2,000	Depth:	2,000

Total Depth: 2,000

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Comments

Comments

Rom-6 280.shm-@ 85.3 deg/
Rom-5 280.shm-@ 84.9 deg/
Rom-4 280.shm-@ 84.6 deg/

MAIN PASS

Calibration File: cobject.dh
Calibration Date: 15-Mar-05
Presentation Format: DIL DSM
Created by: Depth in Feet created 1.000

X - GR (API)	0	100
GR (CAPI)	200	

Y - Inclination (Deg)	0.3	89.3
Y - Azimuth (Deg)	0.0	359.9
Y - Depth (Feet)	0	2000

MAIN PASS

Calibration File: cobject.dh
Calibration Date: 15-Mar-05
Presentation Format: DIL DSM
Created by: Depth in Feet created 1.000

X - GR (API)	0	100
GR (CAPI)	200	

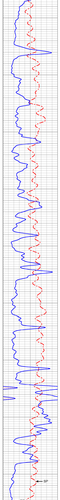
Y - Inclination (Deg)	0.3	89.3
Y - Azimuth (Deg)	0.0	359.9
Y - Depth (Feet)	0	2000

MAIN PASS

Calibration File: cobject.dh
Calibration Date: 15-Mar-05
Presentation Format: DIL DSM
Created by: Depth in Feet created 1.000

X - GR (API)	0	100
GR (CAPI)	200	

Y - Inclination (Deg)	0.3	89.3
Y - Azimuth (Deg)	0.0	359.9
Y - Depth (Feet)	0	2000

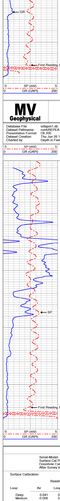


REPEAT SECTION

Calibration File: cobject.dh
Calibration Date: 15-Mar-05
Presentation Format: DIL DSM
Created by: Depth in Feet created 1.000

X - GR (API)	0	100
GR (CAPI)	200	

Y - Inclination (Deg)	0.3	89.3
Y - Azimuth (Deg)	0.0	359.9
Y - Depth (Feet)	0	2000



Dual Inclination Calibration Report

Serial Model: 10/40-1
Last Factory Calibration: Mon Jan 24 10:52:40 2005
Last Field Calibration: Thu Jan 27 14:16:00 2005
After Survey Calibration Performed: Thu Jan 28 16:13:20 2003

Surface Calibration

	Readings		Results	
	Axial	Transverse	m	b
Linear:	0.000	0.000	870.000 counts/g	17.000
Sin/Cos:	0.000	0.000	464.000 counts/g	832.000

Internal:	Axial	Transverse	m	b
Zero:	0.000	0.000	0.000	0.000
Cross:	0.000	0.000	628.000	0.000
Sin/Cos:	0.000	0.000	628.000	0.000

Cross Axial Sensitivity: 0.000 counts/g

	Readings		References		Results	
Internal:	Axial	Cal	Axial	Cal	m	b
Zero:	20.632	408.125 counts/g	19.663	408.000 counts/g	0.000	0.000
Cross:	0.000	0.000 counts/g	0.000	0.000 counts/g	0.000	0.000
Sin/Cos:	2.636	79.000 counts/g	2.636	79.000 counts/g	0.000	0.000

After Survey Verification

	Readings		Targets		Results	
Internal:	Axial	Cal	Axial	Cal	m'	b'
Zero:	19.663	408.125 counts/g	20.632	408.125 counts/g	0.000	0.000
Cross:	0.000	407.575 counts/g	0.000	395.150 counts/g	0.000	0.000
Sin/Cos:	2.636	79.000 counts/g	2.636	79.000 counts/g	0.000	0.000

MV Geophysical

XY CALIPER GAMMA RAY LOG

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida

Location	Sec. 14 R05 R37E FSP3400 E 1250 N
Elevation	
Permanent Datum	GROUND
Log Measured From	GROUND
Drilling Measured From	GROUND
Other Services	

Date	10-01-03		
Run Number	ONE		
Depth Driller	2500		
Depth Logger	2500		
Bottom Log Interval	2500		
Top Log Interval	0		
Casing Driller	0	@	0
Casing Logger	0		
Bit Size	8		
Type Fluid in Hole	FRESH		
Density / Viscosity			
Max. Rec. Temp.			
Estimated Cement Top			
Time Logger On Bottom			
Equipment	5		
Location			
Recorded By			
Witnessed By			

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Comments

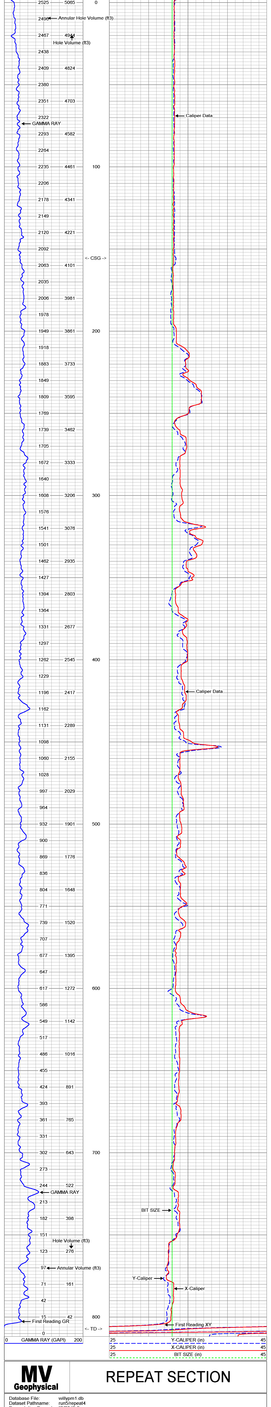
Maximum Caliper Arm Extension: 56"

FUTURE CASING SIZE: 24"

MV Geophysical

MAIN PASS #2

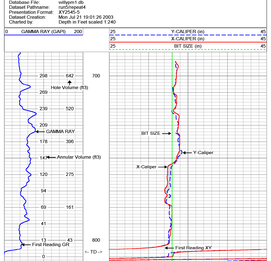
Database File: wellgam1.db
Dataset Pathname: run5/main2
Presentation Format: XY2540-5
Dataset Creation: Mon Jul 21 10:59:09 2003
Charted by: Depth in Feet scaled 1:240



MV Geophysical

REPEAT SECTION

Database File: wellgam1.db
Dataset Pathname: run5/repeat4
Presentation Format: XY2540-5
Dataset Creation: Mon Jul 21 10:01:26 2003
Charted by: Depth in Feet scaled 1:240

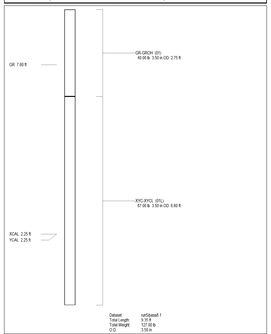


XY Caliper Calibration Report

Serial Number:	01L	
Tool Model:	XYCL	
Performed:	Mon Jul 21 17:41:39 2003	
Small Ring:	33.25	in
Large Ring:	46.5	in
	X Caliper	Y Caliper
Reading with Small Ring:	631.647	654.003 cps
Reading with Large Ring:	1040.18	1063.29 cps
Gain:	-0.0600595	-0.0600603
Offset:	-19.5524	-21.029

Gamma Ray Calibration Report

Serial Number:	01	
Tool Model:	GRSH	
Performed:	Thu Jul 10 12:25:18 2003	
Calibrator Value:	120	GAPI
Background Reading:	5.2173	cps
Calibrator Reading:	121.689	cps
Sensitivity:	1.03029	GAPI/cps



Dataset run5/repeat-1
Total Length 3.53 ft
Total Weight 127.60 lb
O.D. 3.50 in

MV Geophysical

CEMENT TOP TEMPERATURE GAMMA RAY LOG

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida
Location	Sec. 14 T40S R37E FDEP Permit #: 096641-001UC SFWMD / CH2M Hill, Inc.
Other Services	CBL/VDL

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

Date	22-JULY-2003	23-JULY-2003
Run Number	SIX-1	SIX-2
Depth Driller	800'	
Depth Logger	786' Cmt Plg	774' Cmt Plg
Bottom Logged Interval	786'	774'
Top Log Interval	SURFACE	SURFACE
Open Hole Size	33"	33"
Type Fluid	MUD	MUD
Density / Viscosity	9.5#/58s	
Max. Recorded Temp.	100 degF	119.7 degF
Estimated Cement Top	320'	40'
Time Well Ready	20:30 7/22/03	08:00 7/23/03
Time Logger on Bottom	20:30 7/22/03	08:00 7/23/03
Equipment Number	MGS-1	
Location	Ft. Myers	
Recorded By	S.Miller/A.McThenia	
Witnessed By	M. Schilling (CH2M)	Willy (DDC)
		T.Toy (DDC)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	31'	230'				
TWO	40"	31'	158'				
THREE	9.875"	155'	880'				
FOUR	33"	155'	805'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	31'
Prot. String	34"	0.375" WT	SURFACE	155'
Production String	24"	0.375" WT	SURFACE	800'
Liner	10-25-2x			

Invoice No. 2003180	P.O. #: 22897	Job No.: 2082	* FINAL PRINT *

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Comments

ESTIMATED CEMENT TOPS

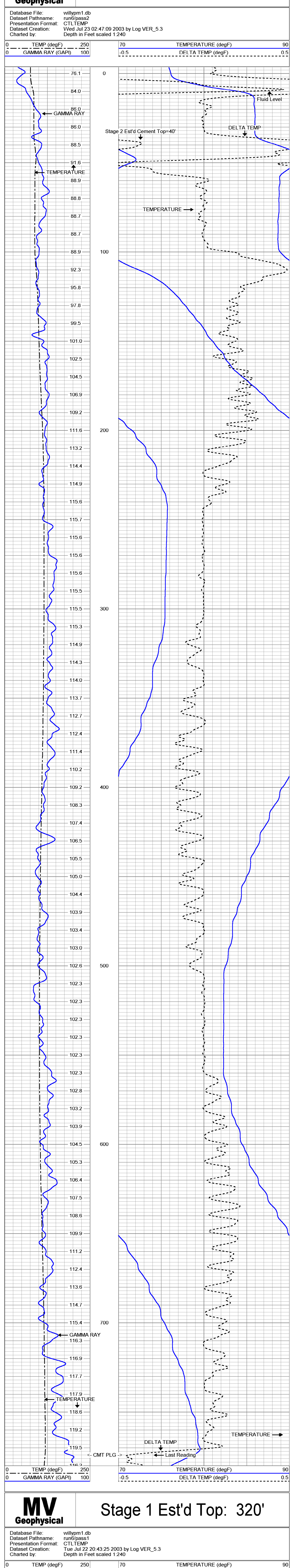
Stage	Logger	Driller (tag)
#1	320'	312'
#2	40'	40'

TEMPERATURE CALIBRATION REPORT
(performed: 18-MAY-2003 11:45)

DEG-F	CPS
33.9	141.25
151.8	2743.11

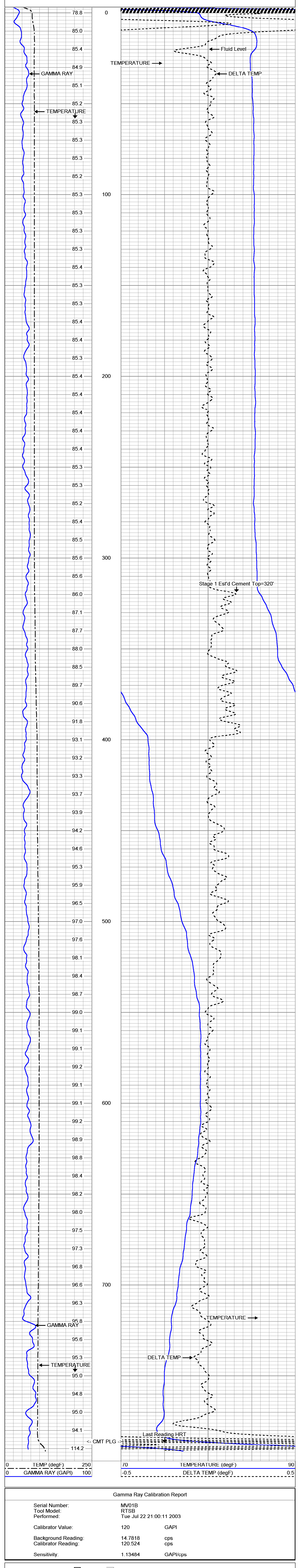
MV Geophysical — Stage 2 Est'd Top: 40'

Database File:	willypm1.db
Dataset Pathname:	run6/pass2
Presentation Format:	CTLTEMP
Dataset Creation:	Wed Jul 23 02:47:09 2003 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



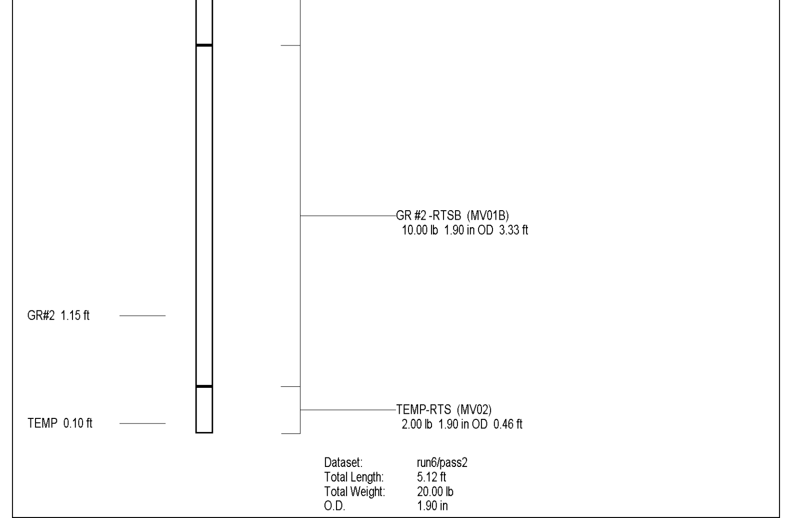
MV Geophysical — Stage 1 Est'd Top: 320'

Database File:	willypm1.db
Dataset Pathname:	run6/pass1
Presentation Format:	CTLTEMP
Dataset Creation:	Tue Jul 22 20:43:25 2003 by Log VER_5.3
Charted by:	Depth in Feet scaled 1:240



Gamma Ray Calibration Report

Serial Number:	MV01B	
Tool Model:	RTSB	
Performed:	Tue Jul 22 21:00:11 2003	
Calibrator Value:	120	GAPI
Background Reading:	14.7818	cps
Calibrator Reading:	120.524	cps
Sensitivity:	1.13484	GAPI/cps



Dataset:	run6/pass2
Total Length:	5.12 ft
Total Weight:	20.00 lb
O.D.	1.90 in

MV Geophysical

Company	Diversified Drilling Corp.
Field	EXPM-1
County	Port Mayaca
State/Prov	Martin
	Florida

CEMENT BOND w/ VARIABLE DENSITY LOG

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida

Location: Sec. 4 T40S R37E FSL 1400 FWL
Elevation: STANDARD DRILLING INC.

Permanent Datum:	GL	Elevation:	
Log Measured From:	KB	12 Above Permanent Datum	
Drilling Measured From:	KB		

Date:	10-Jan-03	Run Number:	ONE
Depth-Driller:	710	Depth-Logger:	710
Bottom Log Interval:	710	Top Log Interval:	SURFACE
Casing-Driller:	24 @ 0	Casing-Logger:	
Bit Size:	12 1/4	Type Fluid in Hole:	WATER
Density:		Viscosity:	
Max. Rec. Temp.:		Equipment:	
Recorded By:		Witnessed By:	

Run No.	ONE	Run No.	
Bottom Log Interval	710	Bottom Log Interval	
Top Log Interval	SURFACE	Top Log Interval	
Casing-Driller	24 @ 0	Casing-Logger	
Bit Size	12 1/4	Bit Size	
Type Fluid in Hole	WATER	Type Fluid in Hole	
Density		Density	
Viscosity		Viscosity	
Max. Rec. Temp.		Max. Rec. Temp.	
Equipment		Equipment	
Recorded By		Recorded By	
Witnessed By		Witnessed By	

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Comments

CBL Sonic tool run centralized.

Lost acoustic coupling completely at 35' bls.

MV Geophysical

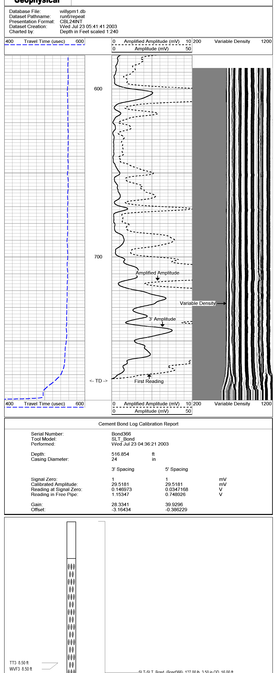
MAIN PASS

Datafiler File: wellsprt1.dlb
Dataset Pathname: run6/repeat
Presentation Format: CBL24INT
Dataset Creation: Wed Jul 23 05:36:24 2003
Charted by: Depth in Feet scaled 1:240

MV Geophysical

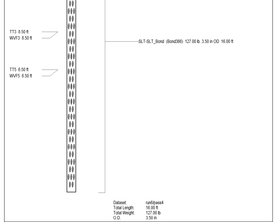
REPEAT SECTION

Datafiler File: wellsprt1.dlb
Dataset Pathname: run6/repeat
Presentation Format: CBL24INT
Dataset Creation: Wed Jul 23 05:41:41 2003
Charted by: Depth in Feet scaled 1:240



Cement Bond Log Calibration Report

Serial Number:	Bond300		
Tool Model:	CBL-300		
Performed:	Wed Jul 23 14:36:21 2003		
Depth:	516.654	ft	
Casing Diameter:	24	in	
	3' Spacing	5' Spacing	
Signal Zero:	0	0	mV
Calibrated Amplitude:	29.5181	29.5181	mV
Reading at Signal Zero:	0.1469173	0.0347168	V
Reading in 1 inch Spc:	1.15347	0.746926	V
Gain:	28.3341	30.9290	
Offset:	-3.15434	-0.365229	



Company	Diversified Drilling Corp.	Company	Diversified Drilling Corporation
Field	Port Mayaca	Well	EXPM-1
County	Martin	Location	Port Mayaca
State/Prov	Florida	County	Martin
Date	11/8/11	State/Prov	Florida
Time	12:00 PM	Date	11/8/11
Operator	Ed Gil	Time	12:00 PM
Tool	FLOWMETER	Operator	Ed Gil
Serial Number	2-400	Tool	FLOWMETER
Calibration Date	11/8/11	Serial Number	2-400
Calibration Factor	1.000	Calibration Date	11/8/11
Calibration Factor	1.000	Calibration Factor	1.000
Calibration Factor	1.000	Calibration Factor	1.000
Comments	Sec. 14 N0.5375 W0.0400 S-0.0016 N0.0000	Comments	EXPM-1 Port Mayaca Martin Florida

MV Geophysical — FLOWMETER LOG

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CAUTION

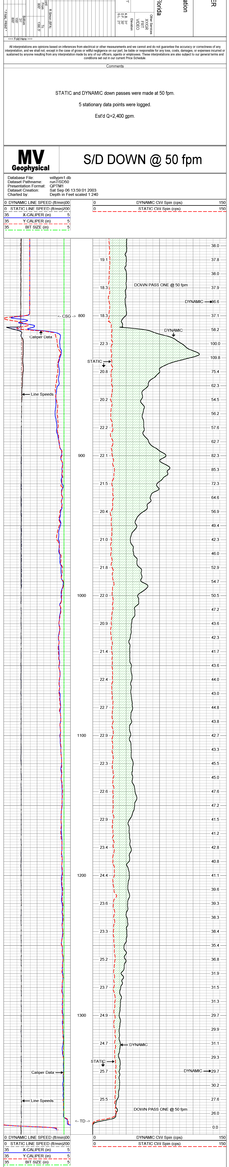
STATIC and DYNAMIC down passes were made at 50 fpm.

5 stationary data points were logged.

Ed'd Q-2,400 gpm.

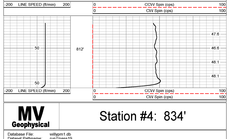
S/D DOWN @ 50 fpm

Database File: solligent1.db
Dataset Pathname: FLOW
Presentation Format: GPTMS
Dataset Creation: Sat Sep 08 13:59:01 2003
Charted by: Depth in Feet scaled 1:240



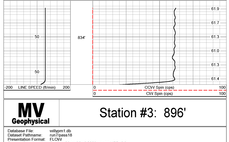
Station #5: 812'

Database File: solligent1.db
Dataset Pathname: FLOW
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 14:42:02 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



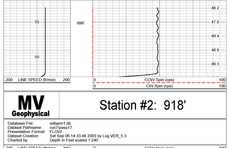
Station #4: 834'

Database File: solligent1.db
Dataset Pathname: FLOW
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 14:37:53 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



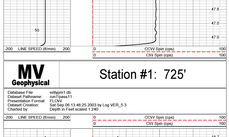
Station #3: 896'

Database File: solligent1.db
Dataset Pathname: FLOW
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 14:34:35 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



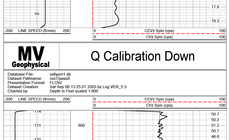
Station #2: 918'

Database File: solligent1.db
Dataset Pathname: flow1Sample1
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 14:33:46 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



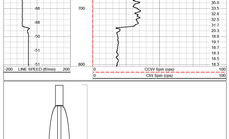
Station #1: 725'

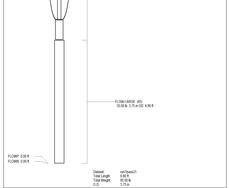
Database File: solligent1.db
Dataset Pathname: FLOW
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 13:48:25 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



Q Calibration Down

Database File: solligent1.db
Dataset Pathname: flow1Sample1
Presentation Format: FLOW
Dataset Creation: Sat Sep 06 13:25:07 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240





MV Geophysical

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida

FLUID RESISTIVITY TEMPERATURE LOG

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prov	Florida
Location	Sec. 14 R25 S37E FSTARWY: 1-DGW-18, INC.
Elevation	0 ft.
Logged Interval	1,436 ft. - 4,829 ft.
Total Depth	4,829 ft.
Date	28-AUG-03
Run No.	ONE
Depth Reference	GROUND LEVEL
Permanent Datum	GROUND LEVEL
Log Measured From	0 ft.
Drilling Measured From	0 ft.

Comments

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Comments

STATIC and DYNAMIC UP passes were performed
Run=3.752 ohm-m @ 82.2 deg F (Dynamic Sample). Eal=0 D=3400 gpm.
FLUID RESISTIVITY CALIBRATION REPORT (Performed: 28-AUG-03 13:30)

OHMM	CPS
1.438	2456.77
2.931	2981.28
4.829	3565.22

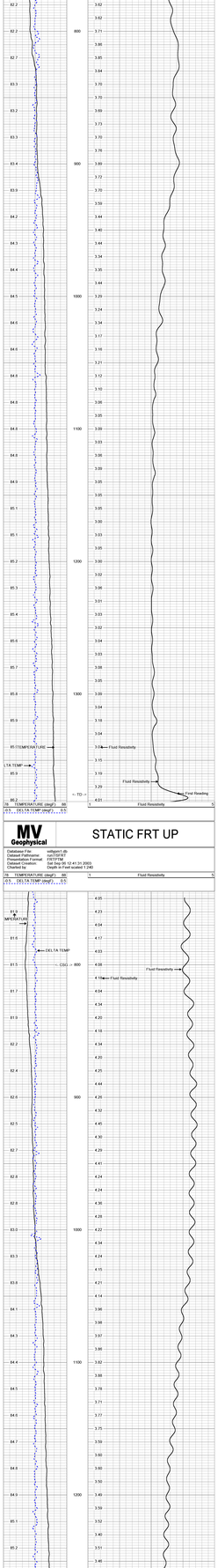
TEMPERATURE CALIBRATION REPORT (Performed: 28-AUG-03 12:45)

DEG-F	CPS
39.0	2332.38
141.6	7021.06

MV Geophysical

DYNAMIC FRT UP

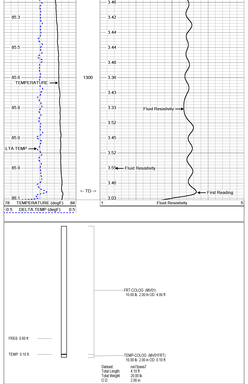
Database File: odfsprn1.db
Dataset Pathname: run1DFUP1
Presentation Format: dynamic
Dataset Creation: Sat Sep 06 13:06:01 2003
Charted by: Depth in Feet scaled 1:240



MV Geophysical

STATIC FRT UP

Database File: odfsprn1.db
Dataset Pathname: run1SFUP
Presentation Format: static
Dataset Creation: Sat Sep 06 13:41:31 2003
Charted by: Depth in Feet scaled 1:240



Company	Diamondfield Drilling Corp.
Well	Fort Blanco
Field	Fort Blanco
County	Martin
Search	Florida

MV Geophysical

CALIPER/GAMMA RAY LOG

Well	Fort Blanco
Field	Fort Blanco
County	Martin
State	Florida
Company	Diamondfield Drilling Corporation
Date	07/28/2003
Time	10:00
Depth Reference	Drill Floor
Elevation	0 ft
Log Measured From	Drill Floor
Permanent Datum	Ground Level
Elevation	0 ft
Drill Floor Elevation	0 ft
Ground Level Elevation	0 ft
Date	07/28/2003
Run Number	ONE
Depth Driller	1500 ft
Depth Logger	1500 ft
Bottom Logged Interval	1500 ft
Top Logged Interval	0 ft
Casing Driller Size	8 5/8 in @ 0 ft
Casing Logger	8 5/8 in @ 0 ft
Bit Size	7 7/8 in
Type Fluid in Hole	Water
Density	8.4 lb/gal
Viscosity	28 s
Fluid Level	Full
Max. Recorded Temp.	0 F
Estimated Cement Top	0 ft
Operator Witness	Mr. Bill Hall

All interpretations we provide based on Measured Well Data are in other measurements only an honest effort will be guaranteed the accuracy or correctness of any interpretation and we shall not 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 based upon observations and data from well logs and other sources, which we believe to be correct. We do not guarantee the accuracy or correctness of any interpretation.

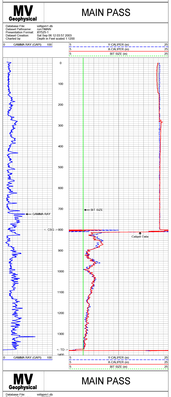
CONTENTS

MAXIMUM Caliper Arm Extension: 30"

MV Geophysical

MAIN PASS

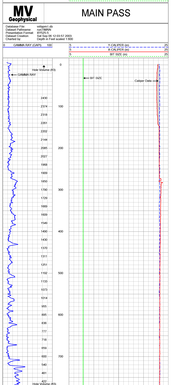
Calibration Filter: HIGHCUT.3B
Calibration Method: 2-POINT
Pass Direction: UP
Calibration Date: Sat Sep 06 10:53:57 2003
Calibration Type: Caliper in Fixed scaled 7.5 cm



MV Geophysical

MAIN PASS

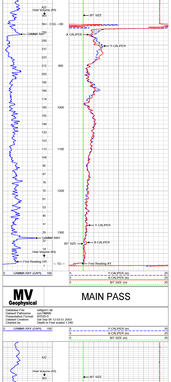
Calibration Filter: HIGHCUT.3B
Calibration Method: 2-POINT
Pass Direction: UP
Calibration Date: Sat Sep 06 10:53:57 2003
Calibration Type: Caliper in Fixed scaled 7.5 cm



MV Geophysical

MAIN PASS

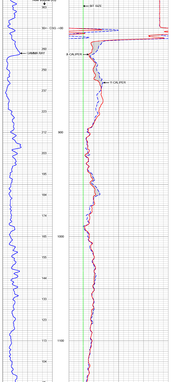
Calibration Filter: HIGHCUT.3B
Calibration Method: 2-POINT
Pass Direction: UP
Calibration Date: Sat Sep 06 10:53:57 2003
Calibration Type: Caliper in Fixed scaled 7.5 cm



MV Geophysical

REPEAT SECTION

Calibration Filter: HIGHCUT.3B
Calibration Method: 2-POINT
Pass Direction: UP
Calibration Date: Sat Sep 06 10:53:58 2003
Calibration Type: Caliper in Fixed scaled 7.5 cm

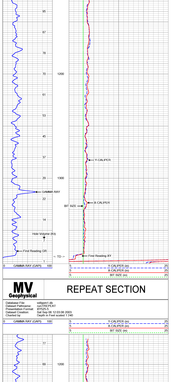


87" Caliper Calibration Report

Serial Number	225		
Tool Model	3-D		
Date	Sat Sep 06 08:32:06 2003		
Calibration Value	100	1000	
Fixed Ring	0	0	
Load Ring	0	0	
	X Caliper	Y Caliper	
Reading with Small Ring	0.0	0.0	
Reading with Large Ring	100.0	1000.0	
	100.000	1000.000	
Offset	0.000000	0.000000	
Slope	1.000000	1.000000	

Gamma Ray Calibration Report

Serial Number	225	
Tool Model	Gamma	
Performed	Sat Sep 06 10:53:34 2003	
Calibration Value	100	1000
Background Reading	7.07140	100
Calibration Reading	1000.00	1000
Instrument	3-GRHS	GRPhysic



Tool: 3-GR-01-WHS
Log Head: GR-SHV-01
Cable: 1-54

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State	Florida
Date	11-17-03
Time	14:54:06
Depth	1000
Speed	100
Tension	1000
Gamma	100
Caliper	100
Y Caliper	100
X Caliper	100
Y Gyro	100
X Gyro	100
Gamma Offset	0.0
Caliper Offset	0.0
Y Caliper Offset	0.0
X Caliper Offset	0.0
Y Gyro Offset	0.0
X Gyro Offset	0.0
Gamma Scale	1.0
Caliper Scale	1.0
Y Caliper Scale	1.0
X Caliper Scale	1.0
Y Gyro Scale	1.0
X Gyro Scale	1.0
Gamma Units	API
Caliper Units	Inches
Y Caliper Units	Inches
X Caliper Units	Inches
Y Gyro Units	Degrees
X Gyro Units	Degrees
Gamma Color	Black
Caliper Color	Red
Y Caliper Color	Blue
X Caliper Color	Green
Y Gyro Color	Magenta
X Gyro Color	Cyan
Gamma Line Width	1
Caliper Line Width	1
Y Caliper Line Width	1
X Caliper Line Width	1
Y Gyro Line Width	1
X Gyro Line Width	1
Gamma Line Type	Solid
Caliper Line Type	Solid
Y Caliper Line Type	Solid
X Caliper Line Type	Solid
Y Gyro Line Type	Solid
X Gyro Line Type	Solid
Gamma Fill	Yes
Caliper Fill	Yes
Y Caliper Fill	Yes
X Caliper Fill	Yes
Y Gyro Fill	Yes
X Gyro Fill	Yes
Gamma Fill Color	Yellow
Caliper Fill Color	Red
Y Caliper Fill Color	Blue
X Caliper Fill Color	Green
Y Gyro Fill Color	Magenta
X Gyro Fill Color	Cyan
Gamma Fill Type	Solid
Caliper Fill Type	Solid
Y Caliper Fill Type	Solid
X Caliper Fill Type	Solid
Y Gyro Fill Type	Solid
X Gyro Fill Type	Solid
Gamma Fill Opacity	0.5
Caliper Fill Opacity	0.5
Y Caliper Fill Opacity	0.5
X Caliper Fill Opacity	0.5
Y Gyro Fill Opacity	0.5
X Gyro Fill Opacity	0.5
Gamma Fill Baseline	0.0
Caliper Fill Baseline	0.0
Y Caliper Fill Baseline	0.0
X Caliper Fill Baseline	0.0
Y Gyro Fill Baseline	0.0
X Gyro Fill Baseline	0.0
Gamma Fill Direction	Left
Caliper Fill Direction	Left
Y Caliper Fill Direction	Left
X Caliper Fill Direction	Left
Y Gyro Fill Direction	Left
X Gyro Fill Direction	Left
Gamma Fill Pattern	Solid
Caliper Fill Pattern	Solid
Y Caliper Fill Pattern	Solid
X Caliper Fill Pattern	Solid
Y Gyro Fill Pattern	Solid
X Gyro Fill Pattern	Solid
Gamma Fill Gradient	Yes
Caliper Fill Gradient	Yes
Y Caliper Fill Gradient	Yes
X Caliper Fill Gradient	Yes
Y Gyro Fill Gradient	Yes
X Gyro Fill Gradient	Yes
Gamma Fill Gradient Color	Black
Caliper Fill Gradient Color	Red
Y Caliper Fill Gradient Color	Blue
X Caliper Fill Gradient Color	Green
Y Gyro Fill Gradient Color	Magenta
X Gyro Fill Gradient Color	Cyan
Gamma Fill Gradient Type	Linear
Caliper Fill Gradient Type	Linear
Y Caliper Fill Gradient Type	Linear
X Caliper Fill Gradient Type	Linear
Y Gyro Fill Gradient Type	Linear
X Gyro Fill Gradient Type	Linear
Gamma Fill Gradient Opacity	0.5
Caliper Fill Gradient Opacity	0.5
Y Caliper Fill Gradient Opacity	0.5
X Caliper Fill Gradient Opacity	0.5
Y Gyro Fill Gradient Opacity	0.5
X Gyro Fill Gradient Opacity	0.5
Gamma Fill Gradient Baseline	0.0
Caliper Fill Gradient Baseline	0.0
Y Caliper Fill Gradient Baseline	0.0
X Caliper Fill Gradient Baseline	0.0
Y Gyro Fill Gradient Baseline	0.0
X Gyro Fill Gradient Baseline	0.0
Gamma Fill Gradient Direction	Left
Caliper Fill Gradient Direction	Left
Y Caliper Fill Gradient Direction	Left
X Caliper Fill Gradient Direction	Left
Y Gyro Fill Gradient Direction	Left
X Gyro Fill Gradient Direction	Left
Gamma Fill Gradient Pattern	Solid
Caliper Fill Gradient Pattern	Solid
Y Caliper Fill Gradient Pattern	Solid
X Caliper Fill Gradient Pattern	Solid
Y Gyro Fill Gradient Pattern	Solid
X Gyro Fill Gradient Pattern	Solid

MV Geophysical

X Y CALIPER
GAMMA RAY
LOG

Diversified Drilling Corporation

EXPM-1

Port Mayaca

Martin

Stuart, Florida

FDP Permit # 50600-2-00-00
SWIM Permit # 50600-2-00-00
Section 6, T38S, R40E

Lat. 27° 11' 0.0" N
Long. 80° 14' 0.0" W

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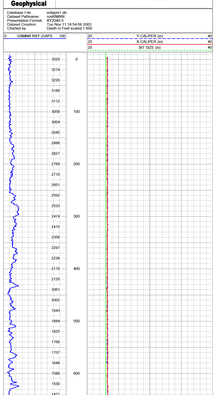
CONTINUED...

MAXIMUM Caliper Arm Extension: 58"

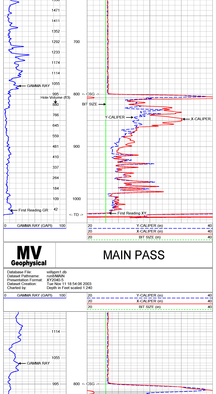
MAIN PASS

Database File: sstbport1.db
Dataset Pathname: sstbport1
Presentation Format: X-Y-GAMMA
Dataset Creation: Tue Nov 11 14:54:06 2003
Created by: Depth w/ Fast scaled 1.000



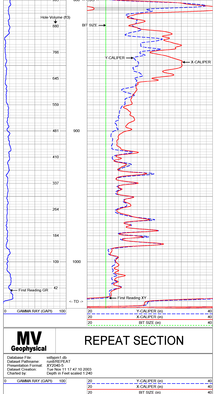
MAIN PASS

Database File: sstbport1.db
Dataset Pathname: sstbport1
Presentation Format: X-Y-GAMMA
Dataset Creation: Tue Nov 11 14:54:06 2003
Created by: Depth w/ Fast scaled 1.000



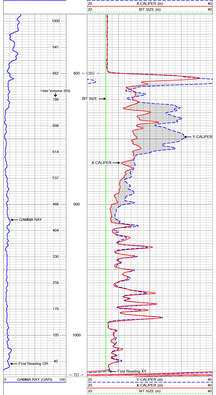
MAIN PASS

Database File: sstbport1.db
Dataset Pathname: sstbport1
Presentation Format: X-Y-GAMMA
Dataset Creation: Tue Nov 11 14:54:06 2003
Created by: Depth w/ Fast scaled 1.000



REPEAT SECTION

Database File: sstbport1.db
Dataset Pathname: sstbport1
Presentation Format: X-Y-GAMMA
Dataset Creation: Tue Nov 11 17:47:10 2003
Created by: Depth w/ Fast scaled 1.000

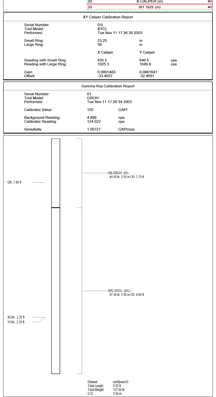


XY Caliper Calibration Report

Serial Number	370		
Tool Model	XYCALI		
Date	Tue Nov 11 17:36:39 2003		
Small Ring	23.25	in	
Large Ring	58	in	
	X Caliper	Y Caliper	
Reading with Small Ring	630.5	646.5	cps
Reading with Large Ring	1025.5	1045.5	cps
Gain	0.00004883	0.00004881	
Offset	-32.4033	-32.4033	

Gamma Ray Calibration Report

Serial Number	01	
Tool Model	GR	
Performed	Tue Nov 11 17:26:34 2003	
Calibrator Value	120	GAPI
Background Reading	4 990	cps
Calibrator Reading	124 022	cps
Sensitivity	1.00727	CAPI/cps



MV Geophysical

FLOWMETER LOG

Company	Diversified Drilling Corp.
Well	EXPM-1
Field	Port Mayaca
County	Martin
State/Prv	Florida

Company	Diversified Drilling Corporation		
Well	EXPM-1		
Field	Port Mayaca		
County	Martin	State/Prv	Florida
Location	Sec. 14 T40S R37E FDEP Permit #: 096641-001UC SFWMD / CH2M Hill, Inc.	Other Services	XY/GR FRT VIDEO
Permanent Datum	G.L.	Elevation	21'
Log Measured From	G.L.	Elevation	K.B. 31' D.F. 30' G.L. 21'
Drilling Measured From	G.L.		

Date	11-NOV-2003
Run Number	EIGHT
Depth Driller	1050'
Depth Logger	1030'
Bottom Logged Interval	1030'
Top Log Interval	745'
Open Hole Size	23"
Type Fluid	WATER
Density / Viscosity	NA/NA
Max. Recorded Temp.	84.5 degF
Estimated Cement Top	SURFACE
Time Well Ready	ROA 11/11/03
Time Logger on Bottom	16:00 11/11/03
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S.Miller / C.Miller
Witnessed By	T.Toy (DDC)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	31'	230'	FIVE	7.875"	800'	1380.5'
TWO	40"	31'	158'	SIX	23"	800'	1050'
THREE	9.875"	155'	880'				
FOUR	33"	155'	805'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	31'
Prot. String	34"	0.375" WT	SURFACE	155'
Production String	24"	0.375" WT	SURFACE	800'
Liner	10-25-2x			

Invoice No. 2003238 P.O. #: Job No.: 2082 * FINAL PRINT *

<<< Fold Here >>>

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Comments

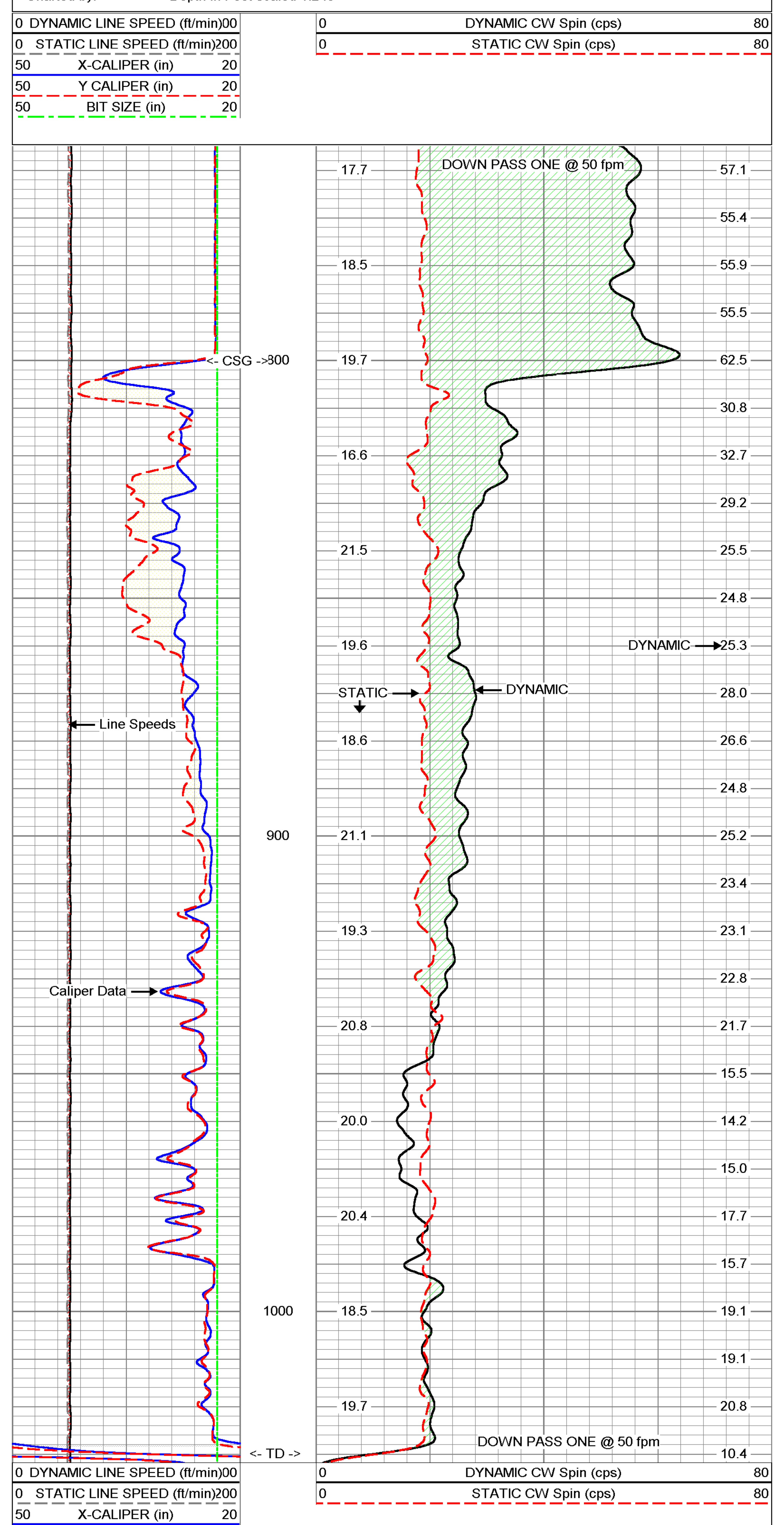
STATIC and DYNAMIC down passes were made at 50 fpm.

4 stationary data points were logged.

Est'd Q=2,200 gpm.

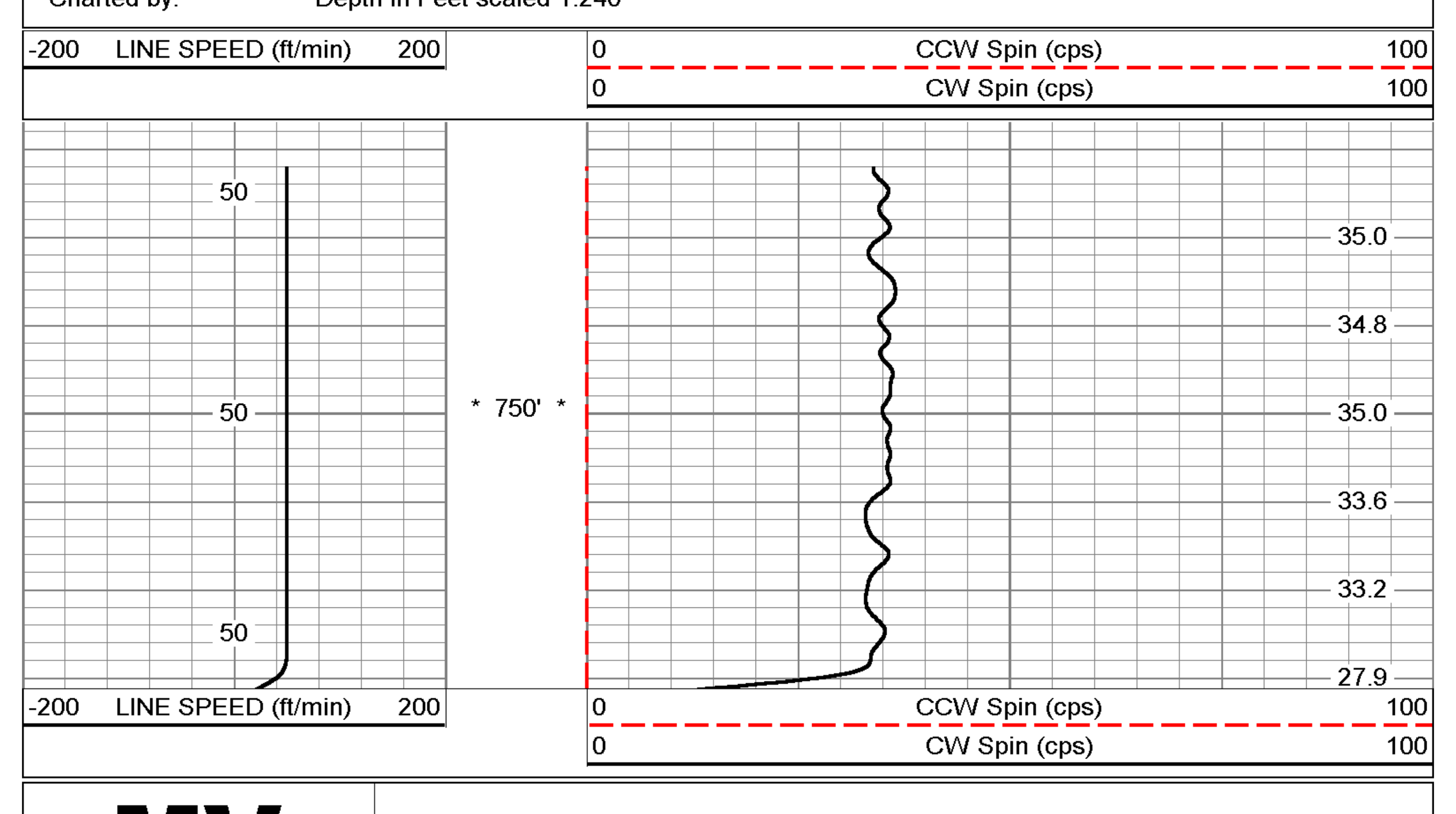
MV Geophysical — S/D DOWN @ 50 fpm

Database File: willypm1.db
Dataset Pathname: run8/SD50
Presentation Format: QPTM2
Dataset Creation: Tue Nov 11 17:21:25 2003
Charted by: Depth in Feet scaled 1:240



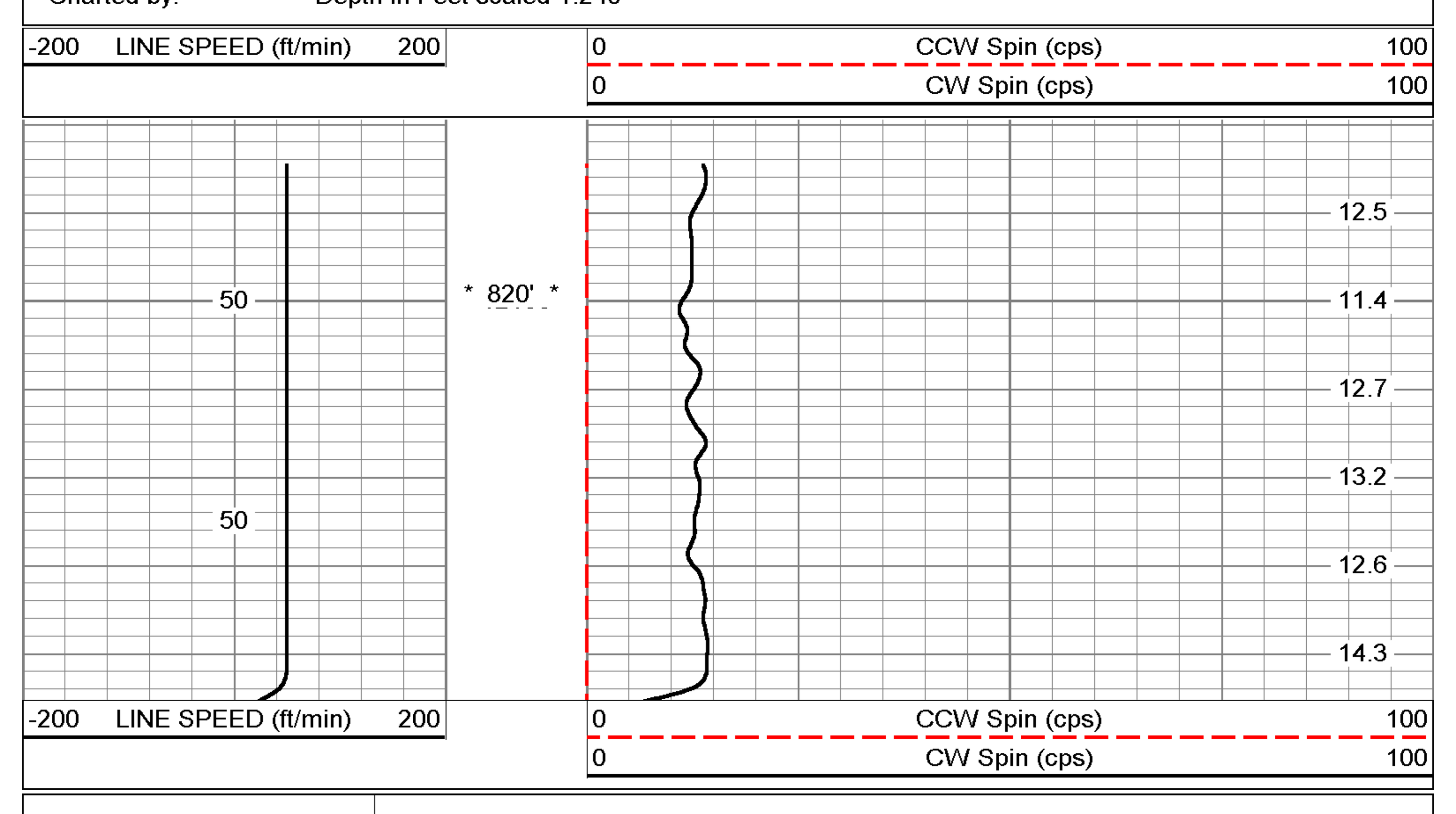
MV Geophysical — Station #4: 750'

Database File: willypm1.db
Dataset Pathname: run8/pass7
Presentation Format: FLOW
Dataset Creation: Tue Nov 11 16:36:22 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



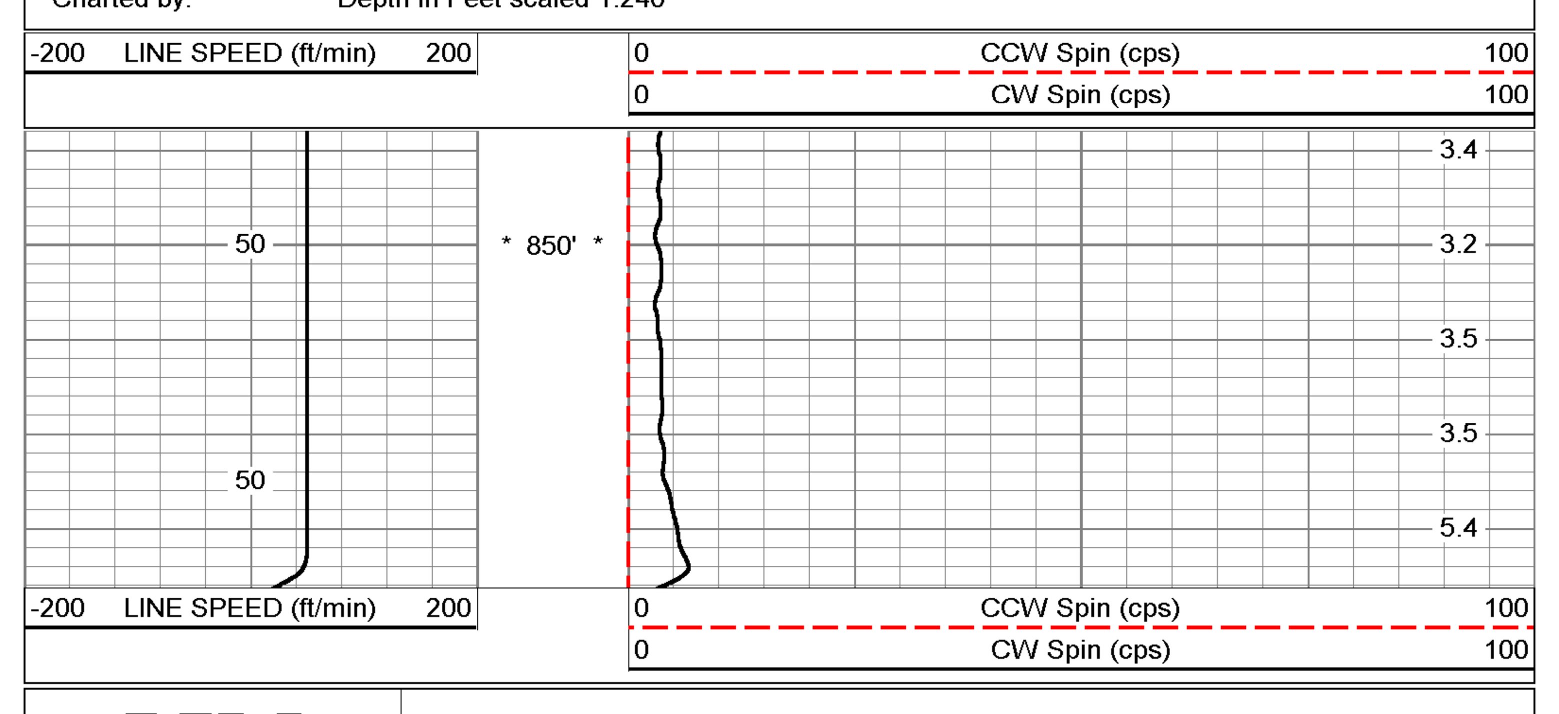
MV Geophysical — Station #3: 820'

Database File: willypm1.db
Dataset Pathname: run8/pass6
Presentation Format: FLOW
Dataset Creation: Tue Nov 11 16:34:04 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



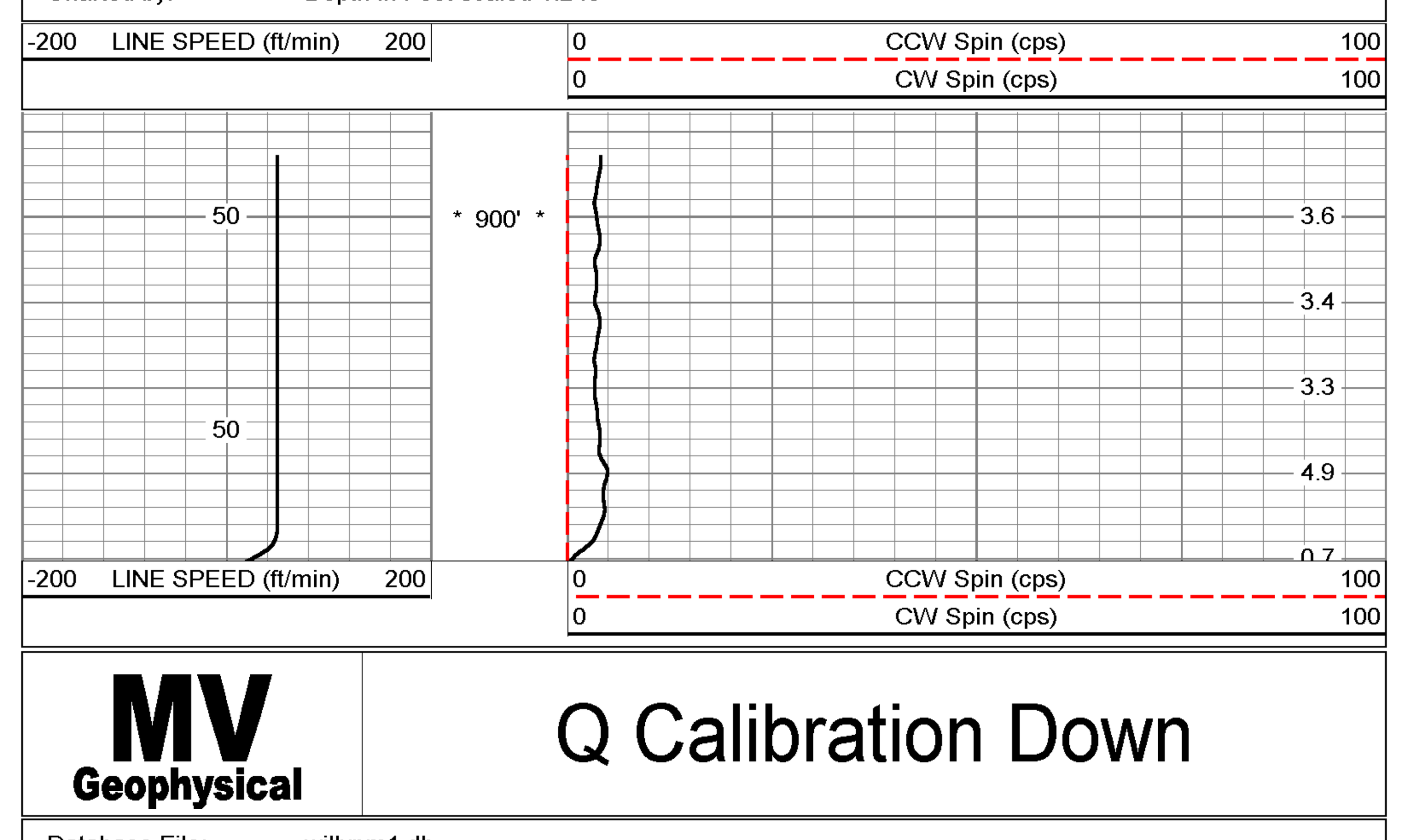
MV Geophysical — Station #2: 850'

Database File: willypm1.db
Dataset Pathname: run8/pass5
Presentation Format: FLOW
Dataset Creation: Tue Nov 11 16:32:14 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



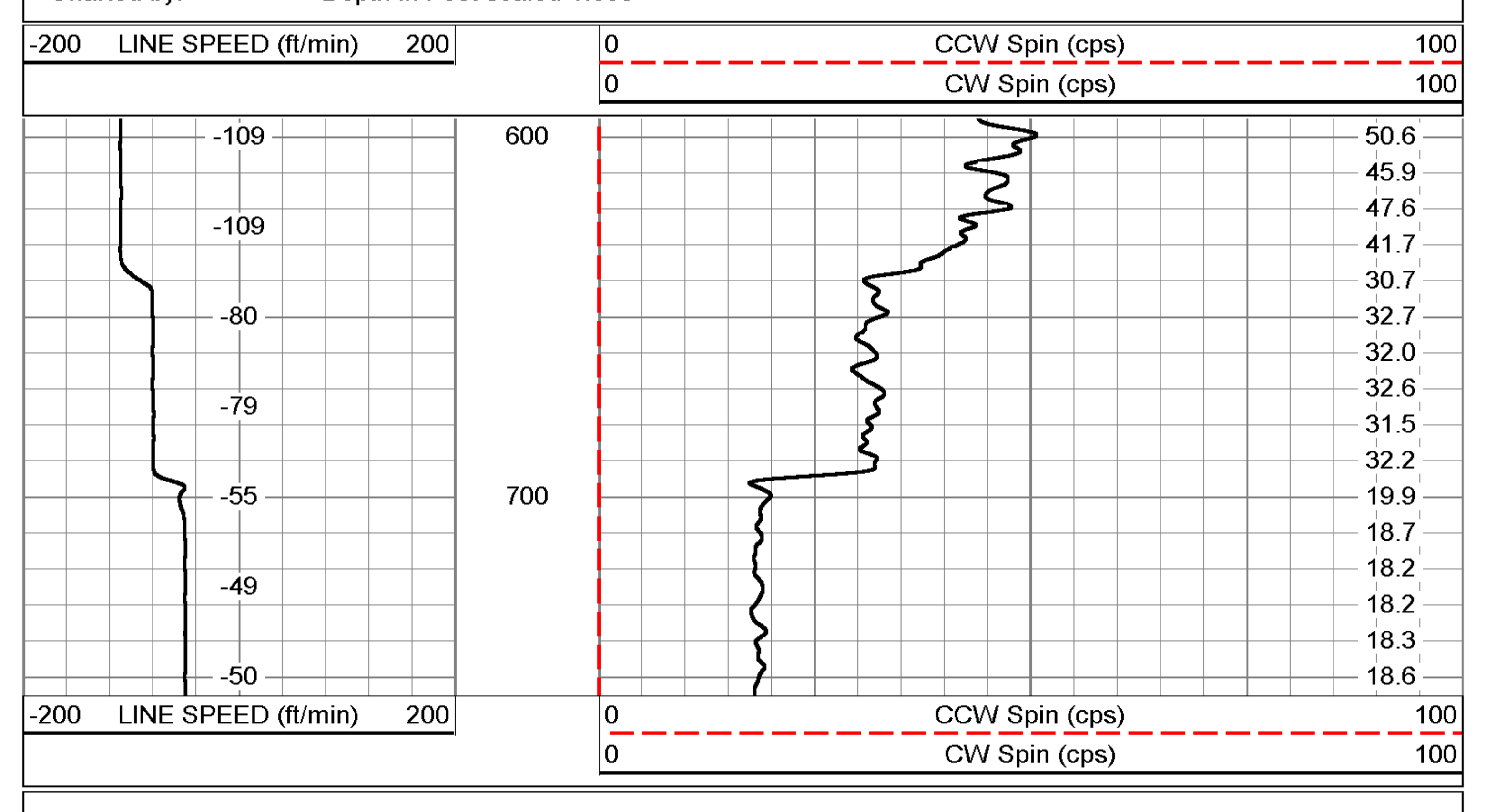
MV Geophysical — Station #1: 900'

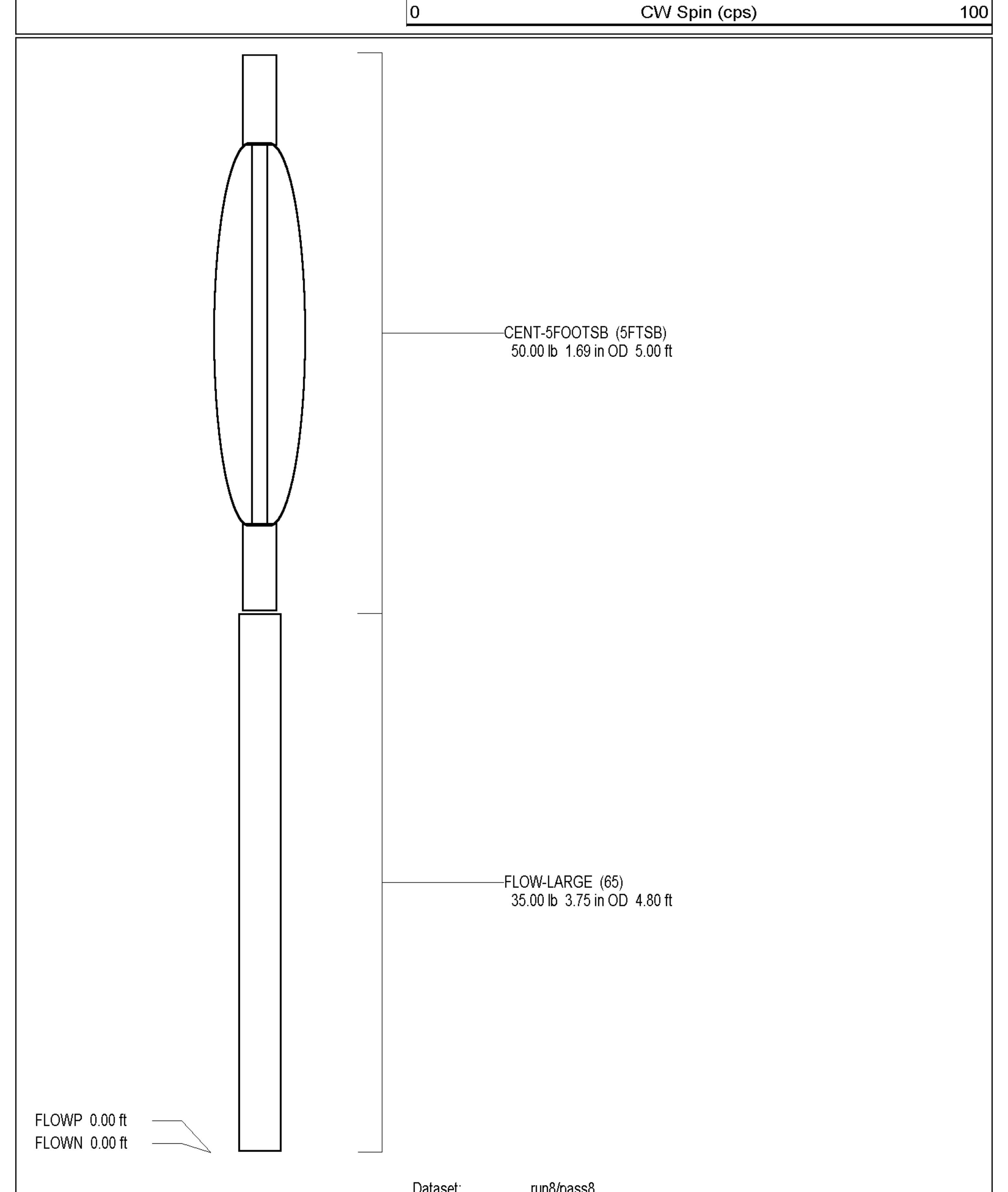
Database File: willypm1.db
Dataset Pathname: run8/pass4
Presentation Format: FLOW
Dataset Creation: Tue Nov 11 16:30:08 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:240



MV Geophysical — Q Calibration Down

Database File: willypm1.db
Dataset Pathname: run8/pass8
Presentation Format: FLOW
Dataset Creation: Tue Nov 11 16:38:51 2003 by Log VER_5.3
Charted by: Depth in Feet scaled 1:600





Dataset: run8/pass8
Total Length: 9.80 ft
Total Weight: 85.00 lb
O.D. 3.75 in

MV Geophysical

FLUID RESISTIVITY TEMPERATURE LOG

Company	Diversified Drilling Corporation
Well	EXPM-1
Field	Port Mayaca
County	Martin State/Prv Florida

Company Diversified Drilling Corp.
Well EXPM-1
Field Port Mayaca
County Martin
State/Prv Florida

Location
Sec. 14 T40S R37E
FDEP Permit #: 096641-001UC
SFWMD / CH2M Hill, Inc.

Other Services
XY/CSI
FLOW
VIDEO

				Elevation
Permanent Datum	G.L.	Elevation	21'	K.B. 31'
Log Measured From	G.L.			D.F. 30'
Drilling Measured From	G.L.			G.L. 21'

Date	11-NOV-2003
Run Number	EIGHT
Depth Driller	1050'
Depth Logger	1030'
Bottom Logged Interval	1030'
Top Log Interval	740'
Open Hole Size	23"
Type Fluid	WATER
Density / Viscosity	NA/NA
Max. Recorded Temp	84.5 degF
Estimated Cement Top	SURFACE
Time Well Ready	BOA 11/11/03
Time Logger on Bottom	14:30 11/11/03
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S.Miller / C.Miller
Witnessed By	T.Toy (DDC)

Borehole Record

Run Number	Bit	From	To
ONE	12.25"	31'	230'
TWO	40"	31'	158'
THREE	9.875"	155'	880'
FOUR	23"	155'	806'

Tubing Record

Size	Weight	From	To
FIVE	7.875"	800'	1350.5'
SIX	23"	800'	1050'

Casing Record	Size	Weight	Top	Bottom
Surface String	42"	0.375" WT	SURFACE	31'
Prod. String	34"	0.375" WT	SURFACE	155'
Production String	24"	0.375" WT	SURFACE	800'
Liner	10-25-2X			

Service No. 2003238 P.O. # Job No.: 2082 * FINAL PRINT *

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 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 forth in our current price schedule.

<< Field Name >>

Comments

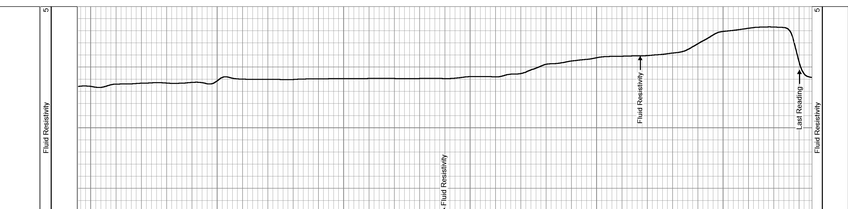
STATIC and DYNAMIC DOWN passes were performed
Rw=3.704 ohm-m @ 82.4 degF (Dynamic-Sample). Eddi Cl=2200 ppm
FLUID RESISTIVITY CALIBRATION REPORT (Performed 9-NOV-03 11:30)
OHM-M
FLUID
2.965
4.892
TEMPERATURE CALIBRATION REPORT (Performed 9-NOV-03 11:45)
DEG-C DEG-F
34.2 93.6
145.5 7021.28

CPS
2409.12
2986.11
3575.72
CPS DEG-C
2329.99 34.2

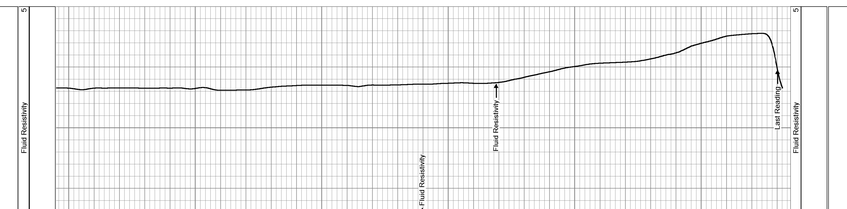
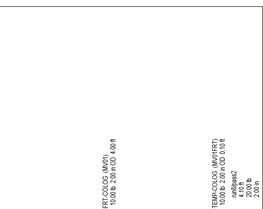
DYNAMIC FRT DOWN

MV Geophysical

Database File: wellsym1.db
Dataset Pathname: FRTPTM
Presentation Format: Tue Nov 11 15:19:37 2003
Dataset Creation: Depth in Feet scaled 1:240
Charted by:



STATIC FRT UP

MV Geophysical

Database File: wellsym1.db
Dataset Pathname: rwsfrtfrt
Presentation Format: FRTPTM
Dataset Creation: Tue Nov 11 15:22:58 2003
Charted by: Depth in Feet scaled 1:240