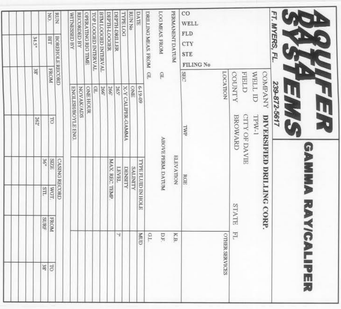
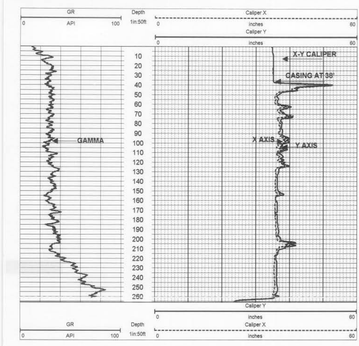
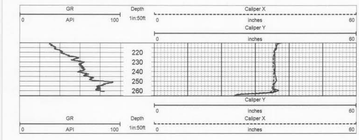
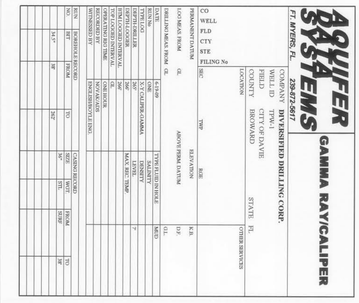
Geophysical Logs

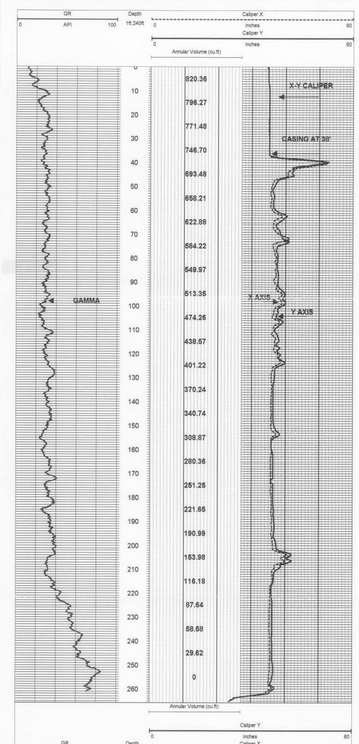




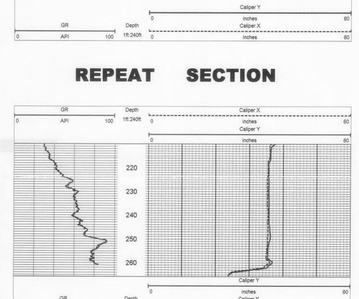
REPEAT SECTION

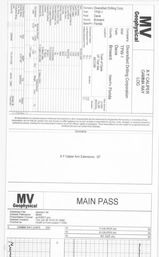




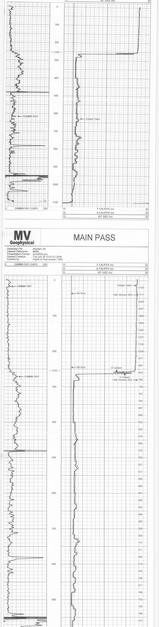


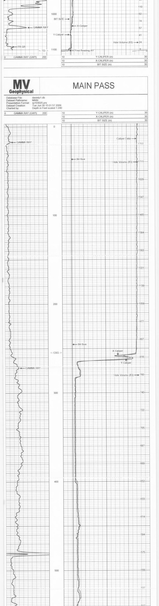
REPEAT SECTION

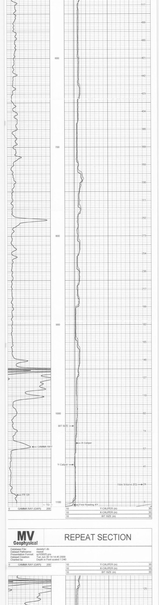




3.5" Caliper Arm Extensions, 22"







MV Geophysical

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company	Diversified Drilling Corp.
Well	TPW-1
Field	Davie
County	Broward
State/Prv	Florida

Company	Diversified Drilling Corporation		
Well	TPW-1		
Field	Davie		
County	Broward	State/Prv	Florida
Location	Town of Davie UF Test Site AECOM		Other Services XY/GR DIL/SP BHC/VDL
Permanent Datum	G.L.	Elevation	Elevation
Log Measured From	G.L.		K.B.
Drilling Measured From	G.L.		D.F. G.L.

Date	30-JUN-2009
Run Number	TWO
Depth Driller	1104'
Depth Logger	1103'
Bottom Logged Interval	1095'
Top Log Interval	225'
Open Hole Size	12.25"
Type Fluid	MUD
Density / Viscosity	na/na
Max. Recorded Temp.	na
Estimated Cement Top	NA
Time Well Ready	13:15 6/30/2009
Time Logger on Bottom	17:45 6/30/2009
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S.Miller/C.Miller
Witnessed By	S. English (AECOM) D. Adkins (DDC)

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25"	255'	1104'				
			1103' Logger				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	28"	0.375" WT	SURFACE	255'
Prot. String				
Production String				
Liner				

Invoice No. 2009089 | P.O. #:111555 | Job No.: 70902 | davietp1.db | * Final Print *

<<< Fold Here >>>

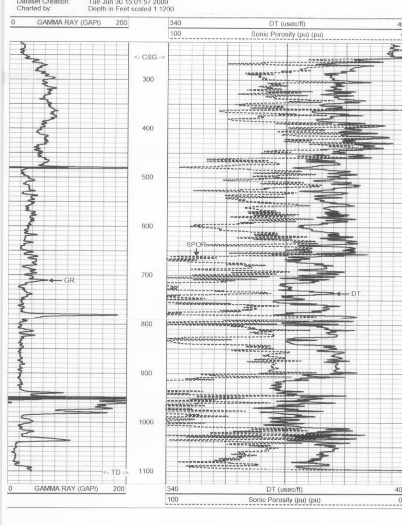
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

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

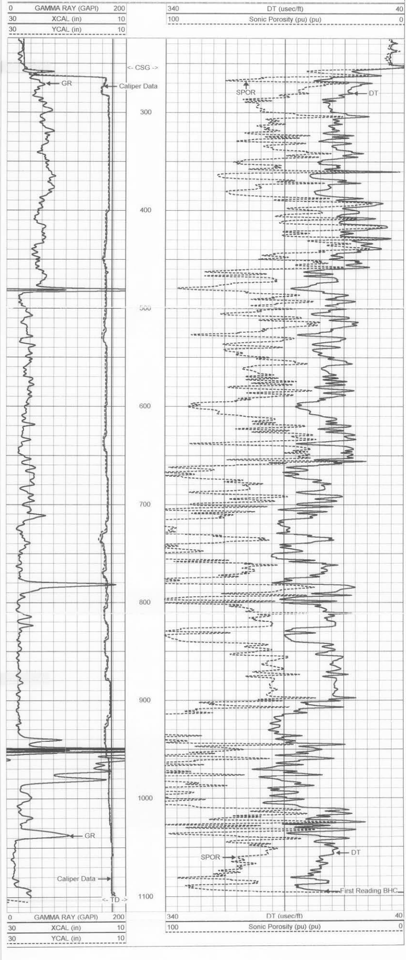
MV Geophysical — MAIN PASS

Database File: davietp1.db
Dataset Pathname: MAIN
Presentation Format: dtg-1340.prs
Dataset Creation: Tue Jun 30 15:01:57 2009
Charted by: Depth in Feet scaled 1:1200



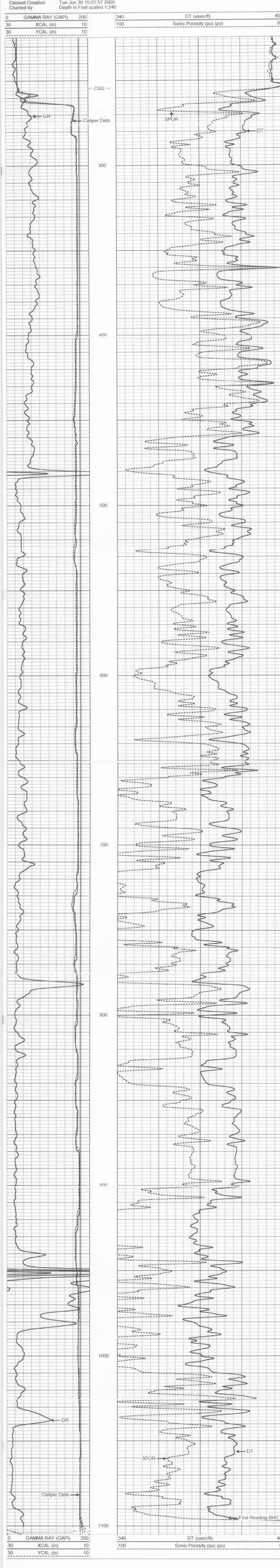
MV Geophysical — MAIN PASS

Database File: davietp1.db
Dataset Pathname: MAIN
Presentation Format: dtxy340.prs
Dataset Creation: Tue Jun 30 15:01:57 2009
Charted by: Depth in Feet scaled 1:600



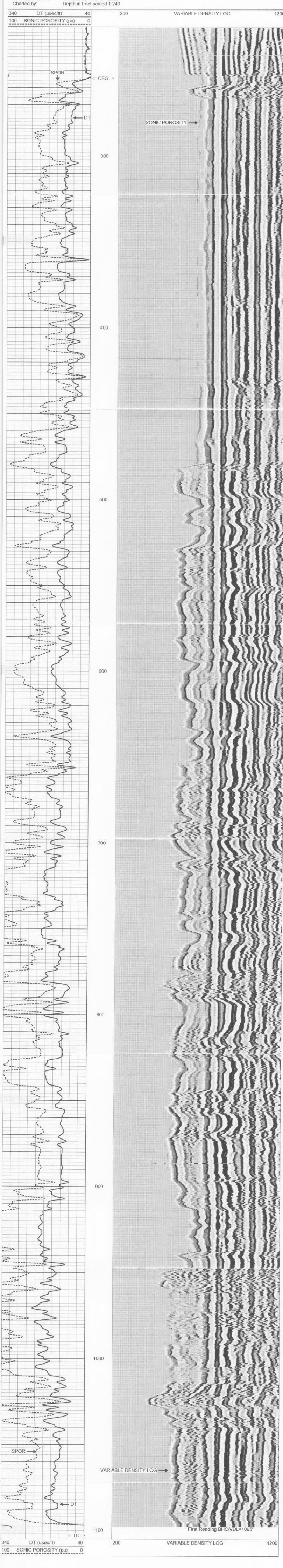
MV Geophysical — MAIN PASS

Database File: davietp1.db
Dataset Pathname: MAIN
Presentation Format: dtxy340.prs
Dataset Creation: Tue Jun 30 15:01:57 2009
Charted by: Depth in Feet scaled 1:240



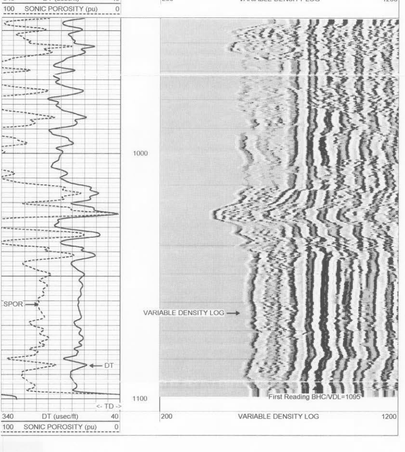
MV Geophysical — MAIN PASS

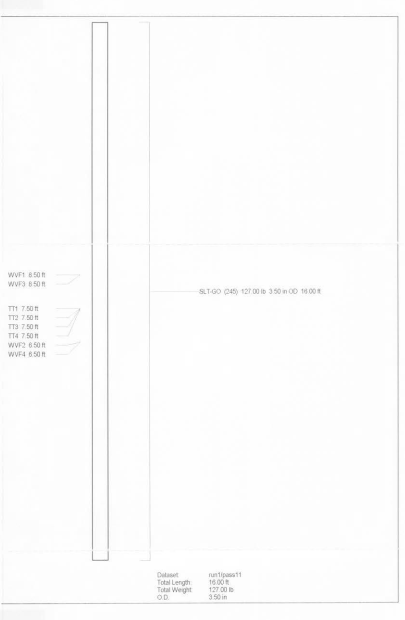
Database File: davietp1.db
Dataset Pathname: MAIN
Presentation Format: sonvdl2.prs
Dataset Creation: Tue Jun 30 15:01:57 2009
Charted by: Depth in Feet scaled 1:240



MV Geophysical — REPEAT SECTION

Database File: davietp1.db
Dataset Pathname: repeat
Presentation Format: sonvdl2.prs
Dataset Creation: Tue Jun 30 14:14:45 2009
Charted by: Depth in Feet scaled 1:240





Dataset: run1/pass11
Total Length: 16.00 ft
Total Weight: 127.00 lb
O.D.: 3.50 in

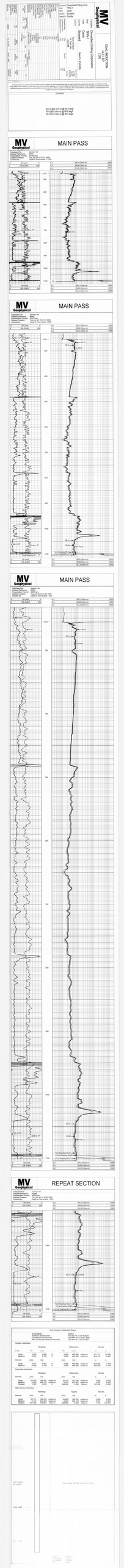
All data presented are proprietary to Diversified Drilling Corp and are subject to the terms and conditions of the agreement between Diversified Drilling Corp and Meridian Valley Geophysical. Interpretations, opinions and estimates are the professional judgment of Meridian Valley Geophysical personnel and are not guaranteed to be accurate. Diversified Drilling Corp is responsible for all decisions made or actions taken based on information provided by this report.

Contents

Run 1 823.4mm @ 65.0 degF 1
TD=1,803.4mm @ 65.0 degF 1
Run 2 215.9mm @ 65.0 degF 1

MAIN PASS

Company: Diversified Drilling Corp
Well: Bravo 1
Field: Dome
Location: Bayou Rouge
Province: Louisiana
Service: DUAL INDUCTION LATEROLOG
Run: One
Date: 1-Feb-2007
Depth Datum: Kelly Bushing
Elevation: 0.000 m
Log Measured From: Kelly Bushing
Permanent Datum: Ground Level
Drilling Measured From: Kelly Bushing
Elevation: 0.000 m above Permanent Datum
Casing: 244.5 mm @ 1,200.0 m
Bit Size: 222.3 mm
Density Fluid: 1.20 kg/m3
Viscosity: 45.0 s
Resistivity: 0.180 ohmm @ 65.0 degF
Source: Measured
Rmf @ BHT: 0.160 ohmm @ 65.0 degF
Rm @ BHT: 0.210 ohmm @ 65.0 degF
Time Since Circulation: 6.0 hr
Max Rec Temp: 65.0 degF
Equipment: DIT-E 1214 SN 4821
Location: Run 1 at 1,200.0 m
Recorded By: J. Thibodeaux
Witnessed By: R. Comeaux



MAIN PASS

Company: Diversified Drilling Corp
Well: Bravo 1
Field: Dome
Location: Bayou Rouge
Province: Louisiana
Service: DUAL INDUCTION LATEROLOG
Run: One
Date: 1-Feb-2007
Depth Datum: Kelly Bushing
Elevation: 0.000 m
Log Measured From: Kelly Bushing
Permanent Datum: Ground Level
Drilling Measured From: Kelly Bushing
Elevation: 0.000 m above Permanent Datum
Casing: 244.5 mm @ 1,200.0 m
Bit Size: 222.3 mm
Density Fluid: 1.20 kg/m3
Viscosity: 45.0 s
Resistivity: 0.180 ohmm @ 65.0 degF
Source: Measured
Rmf @ BHT: 0.160 ohmm @ 65.0 degF
Rm @ BHT: 0.210 ohmm @ 65.0 degF
Time Since Circulation: 6.0 hr
Max Rec Temp: 65.0 degF
Equipment: DIT-E 1214 SN 4821
Location: Run 1 at 1,200.0 m
Recorded By: J. Thibodeaux
Witnessed By: R. Comeaux

REPEAT SECTION

Company: Diversified Drilling Corp
Well: Bravo 1
Field: Dome
Location: Bayou Rouge
Province: Louisiana
Service: DUAL INDUCTION LATEROLOG
Run: One
Date: 1-Feb-2007
Depth Datum: Kelly Bushing
Elevation: 0.000 m
Log Measured From: Kelly Bushing
Permanent Datum: Ground Level
Drilling Measured From: Kelly Bushing
Elevation: 0.000 m above Permanent Datum
Casing: 244.5 mm @ 1,200.0 m
Bit Size: 222.3 mm
Density Fluid: 1.20 kg/m3
Viscosity: 45.0 s
Resistivity: 0.180 ohmm @ 65.0 degF
Source: Measured
Rmf @ BHT: 0.160 ohmm @ 65.0 degF
Rm @ BHT: 0.210 ohmm @ 65.0 degF
Time Since Circulation: 6.0 hr
Max Rec Temp: 65.0 degF
Equipment: DIT-E 1214 SN 4821
Location: Run 1 at 1,200.0 m
Recorded By: J. Thibodeaux
Witnessed By: R. Comeaux

Dual Induction Calibration Report

Service Mnemonic: DIT-E
Calibration Procedure Performed: Shop Calibration Procedure
Last Shop Calibration Performed: 14-Dec-2006 11:12:00 MST

Surface Calibration

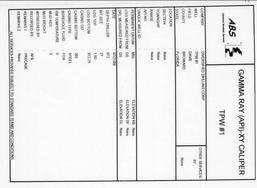
	Readings				References		Results	
Zeros	Air	Cal		Zeros	Cal		m	b
Deep	20.000	1000.000	mmho/m	0.000	400.000	mmho/m	0.050	0.000
Medium	20.000	1000.000	mmho/m	0.000	400.000	mmho/m	0.050	0.000

Downhole Calibration

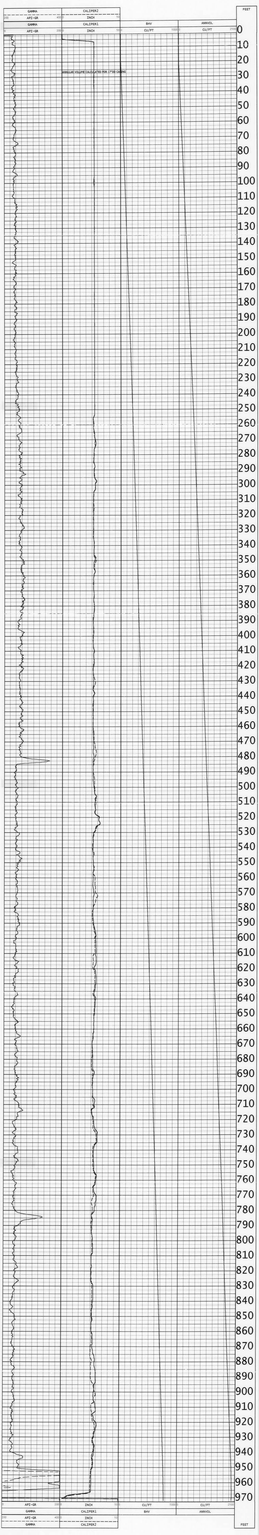
	Readings				References		Results	
Zeros	Air	Cal		Zeros	Cal		m	b
Deep	40.000	1800.000	mmho/m	40.000	1800.000	mmho/m	0.000	0.000
Medium	40.000	1800.000	mmho/m	40.000	1800.000	mmho/m	0.000	0.000

After Survey Verification

	Readings				Targets		Results	
Zeros	Air	Cal		Zeros	Cal		m	b
Deep	40.000	1800.000	mmho/m	40.000	1800.000	mmho/m	0.000	0.000
Medium	40.000	1800.000	mmho/m	40.000	1800.000	mmho/m	0.000	0.000


ABS
GAMMA RAY (API)-XY CALIPER
TPW #1

20-INCH LOG CAL GRAY TPW #1 07/21/09
LOG PARAMETERS
MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
NEUTRON MATRIX : Dolomite
ELECT. CUTOFF : 10000
MATRIX DELTA T : 140
BIT SIZE : 27
PRESENTATION NAME/DATE = Xylm-3 07/21/2009


GAMMA
API / dB
CALIPER1
INCH
BIV
GUTT
ANNUL
FEET
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
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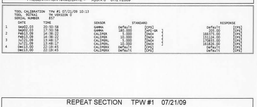
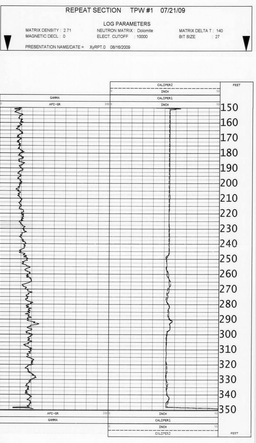
870
880
890
900
910
920
930
940
950
960
970

20-INCH LOG CAL GRAY TPW #1 07/21/09
LOG PARAMETERS
MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
NEUTRON MATRIX : Dolomite
ELECT. CUTOFF : 10000
MATRIX DELTA T : 140
BIT SIZE : 27
PRESENTATION NAME/DATE = Xylm-3 07/21/2009


REPEAT SECTION TPW #1 07/21/09
LOG PARAMETERS
MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
NEUTRON MATRIX : Dolomite
ELECT. CUTOFF : 10000
MATRIX DELTA T : 140
BIT SIZE : 27
PRESENTATION NAME/DATE = XyRPT-5 08/16/2009


GAMMA
API / dB
CALIPER1
INCH
FEET
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
340
350

REPEAT SECTION TPW #1 07/21/09
LOG PARAMETERS
MATRIX DENSITY : 2.71
MAGNETIC DECL : 0
NEUTRON MATRIX : Dolomite
ELECT. CUTOFF : 10000
MATRIX DELTA T : 140
BIT SIZE : 27
PRESENTATION NAME/DATE = XyRPT-5 08/16/2009

DISCLAIMER: All data and information provided herein is for informational purposes only. Drilled Solutions makes no representation as to the accuracy or completeness of any information contained herein and is not responsible for any errors or omissions. Drilled Solutions shall not be liable for any damages arising from the use of this information. Use at your own risk.

Comments

4-1/4" Caliper Arm Extensions - 02"
Hydraulic Packoff - Full Rear - 16 Services

MAIN PASS

MV Petroleum
Operator Co.
Operator Rep
Contractor Co.
Contractor Rep
Rig Name
Logging Engineer
Witness

Location, SK
Job Number
Rig: Rig 1 on 06-01-2026
Elevations: KB 1234.00 ft

CBMM DST (GR) - 001

1:240(5") 1:1200(5") 1:60(5")
MD 1:240(5") MD 1:1200(5") MD 1:60(5")

GR (API) 0 150
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
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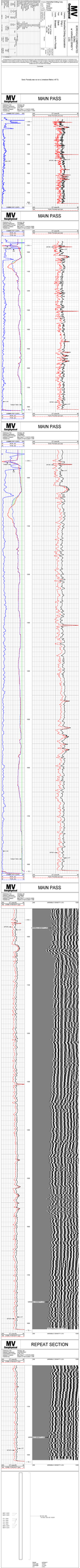
3700
3800
3900


Checshed Drilling Corp
Rig 1
Drill
Rig Type: Portable
Well Name: Pumpkin Creek Unit 1
Surface Location
Bottom Hole Location
Elevation
Spud Date
Completion Date
Plug Back Depth
Total Depth
Drilling Fluid Type
Log Measured From
Drilling Measured From
Permanent Datum
Elevation of Permanent Datum
Elevation of Kelly Bushing
Elevation of Ground Level
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Run 1
Driller
Logger
Schlumberger
Cable Head
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments
Some Porosity was run on a Limestone Matrix (-47 ?).

MAIN PASS
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

MAIN PASS
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

MAIN PASS
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

MAIN PASS
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

MAIN PASS
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

REPEAT SECTION
Company
Well
Field
County
State
Location
Permanent Datum
Log Measured From
Drilling Measured From
Run Number
Depth Driller
Depth Logger
Bottom Logged Interval
Top Logged Interval
Casing Driller Size @ Depth
Casing Logger Size @ Depth
Bit Size
Type Fluid in Hole
Density
Viscosity
Fluid Loss
Source of Sample
Rm @ Measured Temperature
Rmf @ Measured Temperature
Rmc @ Measured Temperature
Source of Rmf and Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temperature
Equipment Number
Location
Recorded By
Witnessed By
Gamma Ray
Resistivity
Density
Neutron
Sonic
Caliper
Temperature
Cable Speed
Tool Zero Check
Calibrator On/Off
Calibrator Value
Gamma Ray Standard
Gamma Ray Background
Gamma Ray Calibrator
Resistivity Calibrator
Density Calibrator
Neutron Calibrator
Sonic Calibrator
Caliper Calibrator
Temperature Calibrator
Comments

Company: Diversified Drilling Corp.
Well: Ohlin
Pad: Broward
County: Florida
Rig: Rig 7 Portable
Survey Type: Definitive
Survey Date: 14 Jul 2026
Survey Company: Diversified Drilling Corporation
Job Number: 20260714-0
Client: Broward County Water & Sewer Authority
Well Head Location: Lat 26.1842 N, Long 80.2917 W
Magnetic Declination: 7.4° W
Grid Convention: True North
Total Corrections: +7.4°
Vertical Section Azimuth: 270.0°
Vertical Section Origin: 0.00 N, 0.00 E
TVD Reference Datum: Rotary Table
TVD Reference Elevation: 12.0 ft above MSL
Seabed / Ground Elevation: 3.0 ft above MSL
Water Depth: 0.0 ft
Magnetic Model & Date: WMM2025 14 Jul 2026
Total Field Strength: 48,612 nT
Dip Angle: 62.4°
Declination: 7.4° W
Mag Drlg Interference: Not Applicable
Survey Tool Type: Gyro
Gyro Model: Sperry-Sun MWD
Gyro Serial No.: 7741
Survey Run No.: 1
Survey Interval: 30 ft
Survey Direction: Down
Survey Tie-In Point: 0.0 ft MD, 0.0 ft TVD
Survey Termination Point: 1,800.0 ft MD, 1,800.0 ft TVD
Survey Termination Reason: Target Depth
Survey Quality Grade: Grade 1
Survey Accuracy Standard: ±0.25° Inc, ±0.5° Azi
Survey Calculation Method: Minimum Curvature
Survey Software: MV Geophysical Survey Suite 4.2
Survey Engineer: J. Whitfield
Survey Supervisor: R. Castellano
Survey Witness: T. Okafor
Survey Start Date: 14 Jul 2026
Survey End Date: 14 Jul 2026
Survey Duration: 0.5 hrs
Survey Distance: 1,800.0 ft
Survey Stations: 61
Survey Gaps: None
Survey Repeats: None
Survey Reshoots: None
Survey Quality: Good
Survey Comments: Run 1 (RIH) 0–1,800 ft MD; POOH 1,800–0 ft MD; no reshoots; no gaps; tie-in to surface; target depth reached; tool face stable throughout; no magnetic interference observed; survey complete and accepted.

DUPLICATION NOTICE

All calculations and values based on information from sensors and data measurements recorded during the operations. Interpretations of this information, which are based on assumptions and models that are inherent in the nature of the calculations, may differ. Reliability of data is limited by the accuracy and limitations of the sensors and tools. Reliability of data is limited by the accuracy and limitations of the sensors and tools. Reliability of data is limited by the accuracy and limitations of the sensors and tools. Duplication is not to be made from this drawing.

DISCLOSURE

Run 1 265 stands @ 72 ft deg/f

MV Geophysical

MAIN PASS

Dataframe File: wavyjet.dat
Presentation Format: 20260714
Data Type: MWD
Client: Broward County Water & Sewer Authority
Created: Mon Aug 17, 10:46:52 2026
Created By: Diversified Drilling Corp.
Depth Unit: feet
Scale: 1" = 100'
Log Interval: 0 – 1,800 ft MD
Tie-In Point: 0.0 ft MD, 0.0 ft TVD
Target Depth: 1,800.0 ft MD, 1,800.0 ft TVD
Survey Run No.: 1
Survey Type: Definitive
Survey Date: 14 Jul 2026
Survey Company: Diversified Drilling Corp.
Job Number: 20260714-0
Well Head Location: Lat 26.1842 N, Long 80.2917 W
Magnetic Declination: 7.4° W
Grid Convention: True North
Total Corrections: +7.4°
Vertical Section Azimuth: 270.0°
Vertical Section Origin: 0.00 N, 0.00 E
TVD Reference Datum: Rotary Table
TVD Reference Elevation: 12.0 ft above MSL
Seabed / Ground Elevation: 3.0 ft above MSL
Water Depth: 0.0 ft
Magnetic Model & Date: WMM2025 14 Jul 2026
Total Field Strength: 48,612 nT
Dip Angle: 62.4°
Declination: 7.4° W
Mag Drlg Interference: Not Applicable
Survey Tool Type: Gyro
Gyro Model: Sperry-Sun MWD
Gyro Serial No.: 7741
Survey Run No.: 1
Survey Interval: 30 ft
Survey Direction: Down
Survey Tie-In Point: 0.0 ft MD, 0.0 ft TVD
Survey Termination Point: 1,800.0 ft MD, 1,800.0 ft TVD
Survey Termination Reason: Target Depth
Survey Quality Grade: Grade 1
Survey Accuracy Standard: ±0.25° Inc, ±0.5° Azi
Survey Calculation Method: Minimum Curvature
Survey Software: MV Geophysical Survey Suite 4.2
Survey Engineer: J. Whitfield
Survey Supervisor: R. Castellano
Survey Witness: T. Okafor
Survey Start Date: 14 Jul 2026
Survey End Date: 14 Jul 2026
Survey Duration: 0.5 hrs
Survey Distance: 1,800.0 ft
Survey Stations: 61
Survey Gaps: None
Survey Repeats: None
Survey Reshoots: None
Survey Quality: Good
Survey Comments: Run 1 (RIH) 0–1,800 ft MD; POOH 1,800–0 ft MD; no reshoots; no gaps; tie-in to surface; target depth reached; tool face stable throughout; no magnetic interference observed; survey complete and accepted.

MAIN PASS

REPEAT SECTION

Dual Inclinometer Calibration Report

Serial #Probe
Surface Cal Performed
Surface Cal Verified
Mstr Survey Verification Performed

Dual Inclinometer Calibration Report
Probe SN: 7741
Thu Nov 19 11:21:36 2026
Thu Nov 19 11:21:36 2026
Thu Nov 19 11:27:36 2026

Surface Calibration

Coil	Readings Axial	Coil	References Axial	Coil	Results Axial
Axial	0.000	0.000	0.000	400.000 counts / in	0.0 (+)
Medium	0.000	0.000	0.000	400.000 counts / in	0.0 (+)

Inclinometer	Zero	Cal	Zero	Cal	Inc	Azi
Axial	0.000	0.000	0.000	400.000 counts / in	0.0 (+)	0.0 (+)
Medium	0.000	0.000	0.000	400.000 counts / in	0.0 (+)	0.0 (+)

Coordinate Calibration

Inclinometer	Readings Zero	Cal	References Zero	Cal	Results Inc	Azi
Axial	0.000	0.000	0.000	400.000 counts / in	0.0 (+)	0.0 (+)
Medium	0.000	0.000	0.000	400.000 counts / in	0.0 (+)	0.0 (+)

After Survey Verification

Inclinometer	Readings Zero	Cal	Targets Zero	Cal	Results Inc	Azi
Axial	0.000	0.000	0.000	400.000 counts / in	0.000	0.000
Medium	0.000	0.000	0.000	400.000 counts / in	0.000	0.000

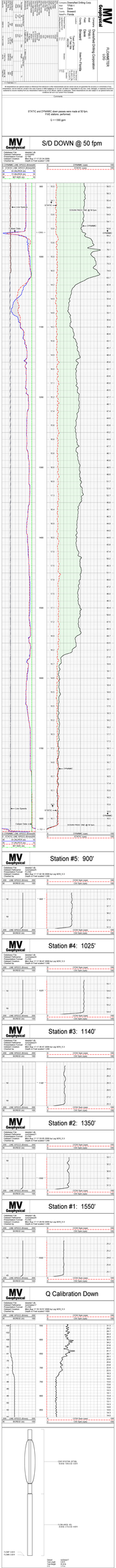
CLR 0.0/0.0
SP 4.0/4.5

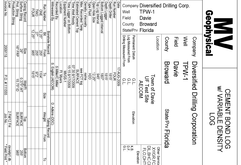
CLR 0.0/0.0

RLO 1.1/0.5

CLR 0.0/0.0
SHEAR 1.0/+0.0 (0.0/0.0)

Diesel 10.0/0.0
Gel Strength 0.0/0.0
Gel Flash 0.0/0.0


Company Diversified Drilling Corp.
Well Ship-1
Curve Dynamic
Location Gulf of Mexico
South of Florida
Run Number
Date
Depth Driller
Depth Logger
Bottom Logged Interval
Top Log Interval
Casing Driller
Casing Logger
Bit Size
Type Fluid in Hole
Density / Viscosity
pH / Fluid Loss
Source of Sample
Rm @ Measured Temp
Rmf @ Measured Temp
Rmc @ Measured Temp
Source of Rmf / Rmc
Rm @ BHT
Time Since Circulation
Max Recorded Temp
Equipment Number
Location
Recorded By
Witnessed By
MV Geophysical
FLOWMETER LOG
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Comments
STATIC and DYNAMIC down passes were made at 50 fpm.
FIVE stations performed.
Q = r^3.55 gpm
MV Geophysical
S/D DOWN @ 50 fpm
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
STATIC
DYNAMIC
DOWN PASS THE @ 50 fpm
Lower Casing
Upper Casing
Casing Collar
Lower Casing
Casing Collar
Perforations
MV Geophysical
Station #5: 900'
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
MV Geophysical
Station #4: 1025'
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
MV Geophysical
Station #3: 1140'
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
MV Geophysical
Station #2: 1350'
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
MV Geophysical
Station #1: 1550'
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
MV Geophysical
Q Calibration Down
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit
OD1 HOUSING .875in
SLUG 1.75 ID 1.625
FLOWLINE .65
SLUG 1.75 ID 1.625
FLOWT 3.00 ft
SLUG 3.00 ID
Diversified Drilling Corporation
Ship-1
Gulf of Mexico
South of Florida
Broward
Dynamic
Run No. 1 | 11:37:42.00 2009 by Log WTR_5.3
Pressure Format PSIA
Channel Set Depth: 0 Feet scaled: 1 Unit



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

CBL tool run Centralized.

MAIN PASS

Dataframe File: dataobj1.df
Dataset Name: MAIN
Presentation Format: CBL24
Dataset Creation: Mon Aug 17 16:11:47 2020
Created by: MainPass Field scaled 1.240

Travel Time (usec) 1000
Amplified Amplitude (mV) -10 200 10
Variable Density 1200
Gain 1 2 5 10 20 50 100
Depth (ft)
0
100
200
300
400
500
600
700
800
900
1000
2' Travel Time
Amplitude
Amplified Amplitude
VDL
~ CSG ~

REPEAT SECTION

Dataframe File: dataobj1.df
Dataset Name: REPEAT
Presentation Format: CBL24
Dataset Creation: Mon Aug 17 16:17:58 2020
Created by: Repeat Section Field scaled 1.240

Travel Time (usec) 1000
Amplified Amplitude (mV) -10 200 10
Variable Density 1200
Gain 1 2 5 10 20 50 100
Depth (ft)
800
900
1000
2' Travel Time
Amplitude
Amplified Amplitude
VDL
~ CSG ~

Cement Bond Log Calibration Report

Serial Number	Bond396		
Tool Model	SLT_Bond		
Performed	Fri Jul 24 14:21:58 2009		
Depth	62.8857	ft	
Casing Diameter	10	in	
	3' Spacing	5' Spacing	
Signal Zero	0.26	1	mV
Calibrated Amplitude	54.1048	50.1088	mV
Reading in Free Pipe	0.0124002	0.0124002	mV
Reading in Free Pipe	3.7523	0.248022	V
Gain	13.4272	-3510.6	
Offset	-0.204756	811.401	

Company: Diversified Drilling Corp.
Project: Bay 1
Site: Bay 1
County: Broward
State/Prov: Florida

Client: Diversified Drilling Corporation
Operator: Dennis
Driller: Dennis
Helper: Phillip

Date/Time Started: 11/4/2015 10:30:00 AM
Date/Time Finished: 11/4/2015 3:00:00 PM

Hole Diameter: 6.00 in
Hole Depth: 1000.00 ft
Casing Depth: 0.00 ft
Casing Diameter: 0.00 in
Casing Weight: 0.00 lb/ft
Casing Material: PVC
Screen Depth: 0.00 ft
Screen Slot: 0.00 in
Screen Material: PVC
Filter Pack Depth: 0.00 ft
Filter Pack Material: Sand
Grout Depth: 0.00 ft
Grout Material: Bentonite
Seal Depth: 0.00 ft
Seal Material: Bentonite
Water Level: 0.00 ft
Water Source: Potable
Water Conductivity: 0.00 µS/cm
Water Temperature: 0.00 °F

Logged By: Dennis
Operated By: Dennis
Recorded By: Dennis
Interpreted By: Dennis

Comments: Static and dynamic down passes were performed.
Cal CTP 25 mA @ 72.5 deg F (Ceramic Sensor) - 0 = 1,300 µm
FLUID RESISTIVITY CALIBRATION REPORT (Performed: 1-AUG-09 14:45)
1413 1.413 mS
20314 20.31 mS
48021 252.45
80011 800.11
TEMPERATURE CALIBRATION REPORT (Performed: 1-AUG-09 14:30)
32.0 CPS
75.0 CPS
149.9 2990.21

FLUID CONDUCTIVITY TEMPERATURE LOG

All interpretations we (geophysicists) or others make from analysis of data measurements and we cannot and do not guarantee the accuracy or correctness of any interpretations, 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 as set out in our current price schedule.

DYNAMIC FCT DOWN

Calibration File: 20e0001.dfl
Calibration Method: Default
Temperature Coefficient: 1.9
Dynamic Calibration: 11/4/2015 10:30:00 (DST)
Channel Id: Depth from surface (-DW)

DB TEMP (degF) 10 | 0.5 TEMP (degF) 0.5 | 1000 FLUID CONDUCTIVITY (uS/cm) 12000

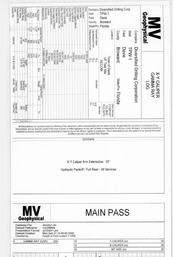
0.5 TEMPERATURE
0.5 Fluid Conductivity
Fluid Conductivity
Depth from surface (ft)
Fluid Conductivity (uS/cm)
Temperature (degF)

STATIC FCT DOWN

Calibration File: 20e0001.dfl
Calibration Method: Default
Temperature Coefficient: 1.9
Dynamic Calibration: Bay Prog 11.10.04 15:35:00
Channel Id: Depth from surface (-DW)

DB TEMP (degF) 10 | 0.5 TEMP (degF) 0.5 | 1000 FLUID CONDUCTIVITY (uS/cm) 12000

0.5 TEMPERATURE
0.5 Fluid Conductivity
Fluid Conductivity
Depth from surface (ft)
Fluid Conductivity (uS/cm)
Temperature (degF)


MV Geophysical
Company: Diversified Drilling Corp
Rig #: Rig 4
Field: Slade
County: Kanawha
State: West Virginia
API #: 47-039-01234
Permanent Datum: Ground Level
Elevation: 1,245.00 ft
Log Measured From: Ground Level
Drilling Measured From: Ground Level
Date: 03-Mar-2026
Run No.: 1
Depth Driller: 1,850.00 ft
Depth Logger: 1,848.00 ft
Bottom Log Interval: 1,848.00 ft
Top Log Interval: 0.00 ft
Casing Driller: 12.75 in @ 0.00 ft
Casing Logger: 12.75 in @ 0.00 ft
Bit Size: 8.75 in
Type Fluid in Hole: Water
Density / Viscosity: 8.34 lb/gal / 28 s/qt
pH / Fluid Loss: 7.0 / 0.0 cc
Source of Sample: Flowline
Rm @ Meas. Temp: 0.00 ohm-m @ 0.00 °F
Rmf @ Meas. Temp: 0.00 ohm-m @ 0.00 °F
Rmc @ Meas. Temp: 0.00 ohm-m @ 0.00 °F
Source of Rmf / Rmc: Measured / Measured
Rm @ BHT: 0.00 ohm-m @ 0.00 °F
Time Since Circulation: 4.5 hr
Max Recorded Temp: 0.00 °F
Equipment / Base: 3-Arm Caliper / Mud
Recorded By: J. Whitfield
Witnessed By: R. Calloway
Tool Type: Caliper
Tool Serial No.: MV-CAL-0047
Tool Length: 14.2 ft
Tool Diameter: 3.625 in
Max Temperature Rating: 350 °F
Max Pressure Rating: 20,000 psi
Logging Company: MV Geophysical
Logging Engineer: J. Whitfield
Logging Unit: Unit 2
Logging Unit Serial No.: MV-U2-0012
Logging Unit Software: MVLog 6.4.1
Logging Unit Hardware: Rev. C
Logging Unit Last Calibration: 01-Feb-2026
Logging Unit Next Calibration: 01-Aug-2026
Logging Unit Calibration Status: Current
Logging Unit Calibration Certificate: MV-CAL-2026-0012
Logging Unit Calibration Laboratory: MV Geophysical Calibration Laboratory
Logging Unit Calibration Laboratory Address: 1 Geophysical Way, Charleston, WV 25301
Logging Unit Calibration Laboratory Phone: (304) 555-0100
Logging Unit Calibration Laboratory Email: calibration@mvgeophysical.com
Logging Unit Calibration Laboratory Website: www.mvgeophysical.com
Logging Unit Calibration Laboratory Accreditation: ISO/IEC 17025:2017
Logging Unit Calibration Laboratory Accreditation Number: 4521.01
Logging Unit Calibration Laboratory Accreditation Expiration: 31-Dec-2027
Logging Unit Calibration Laboratory Technician: T. Ramsey
Logging Unit Calibration Laboratory Technician Signature: T. Ramsey
Logging Unit Calibration Laboratory Technician Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Witness Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Witness Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Witness Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness: R. Calloway
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Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Date: 01-Feb-2026
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Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness: R. Calloway
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Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature: R. Calloway
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Date: 01-Feb-2026
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Time: 14:30
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Location: Charleston, WV
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Method: Wet Signature
Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness: R. Calloway
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Logging Unit Calibration Laboratory Technician Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness Signature Witness

MV Geophysical

BOREHOLE COMPENSATED SONIC w/ VARIABLE DENSITY LOG

Company: Diversified Drilling Corporation
Well: TPW-1
Field: Davie
County: Broward
State/Prv: Florida
Location: Town of Davie, LF Test Site, 4EOOM

Other Services: XY/GR FCT, DL BHC, FLO DHTV

Job No.: 70902 — P.O. # 111555 — davietp1.db — * Final Print *

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Comments

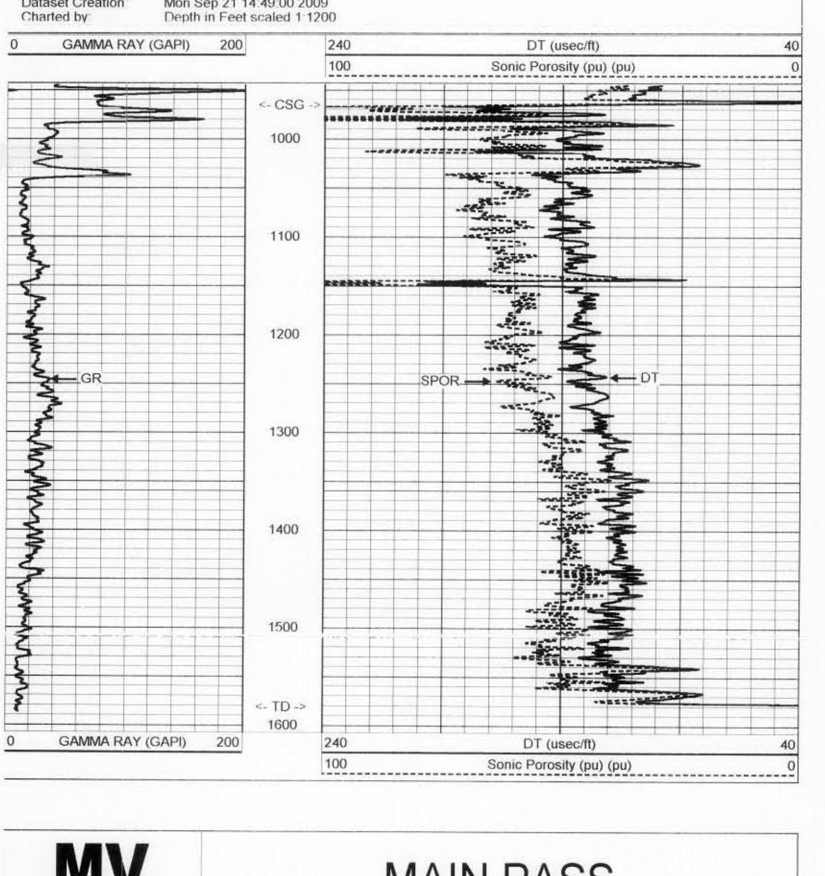
Sonic Porosity was run on a Limestone Matrix (=47.5)

Hydraulic Packoff / Full Riser - All Services

MV Geophysical

MAIN PASS

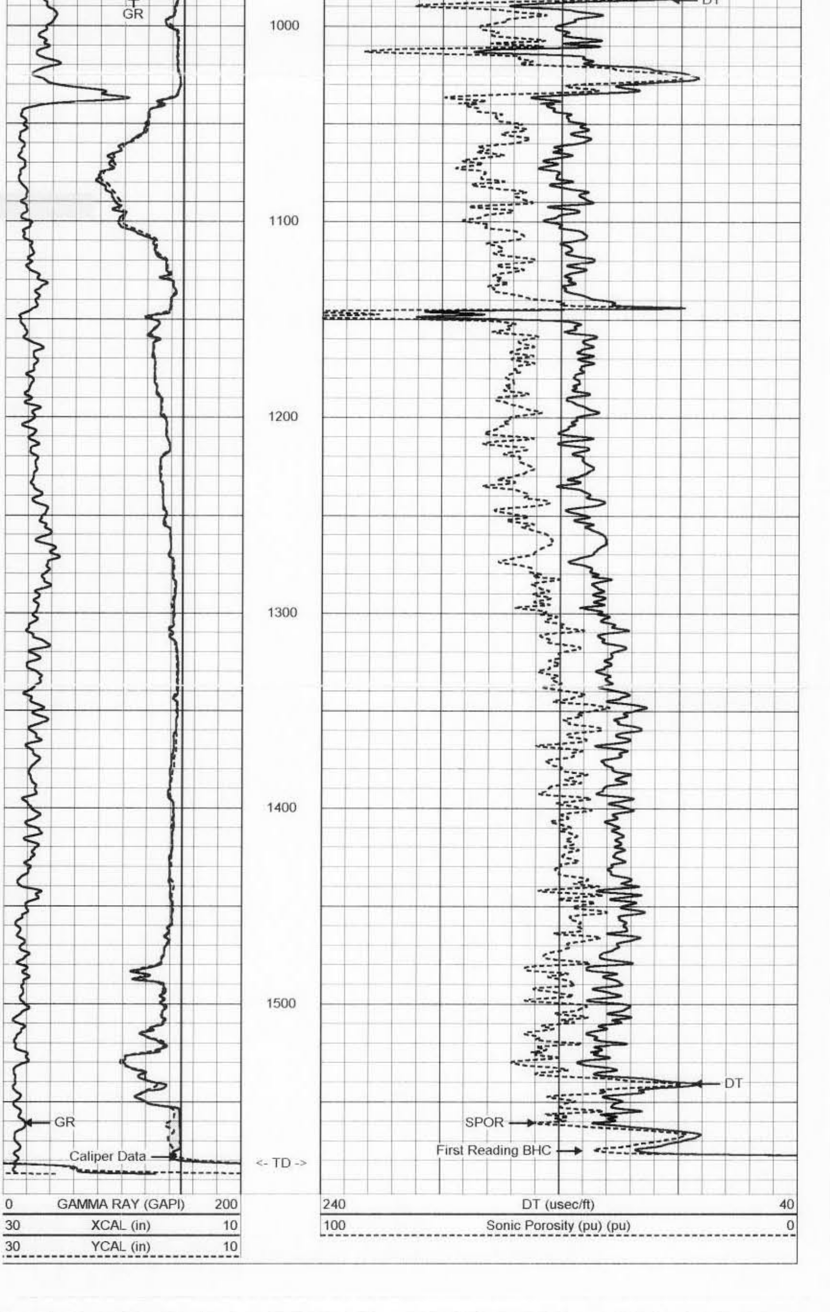
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dtg-12.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:1200



MV Geophysical

MAIN PASS

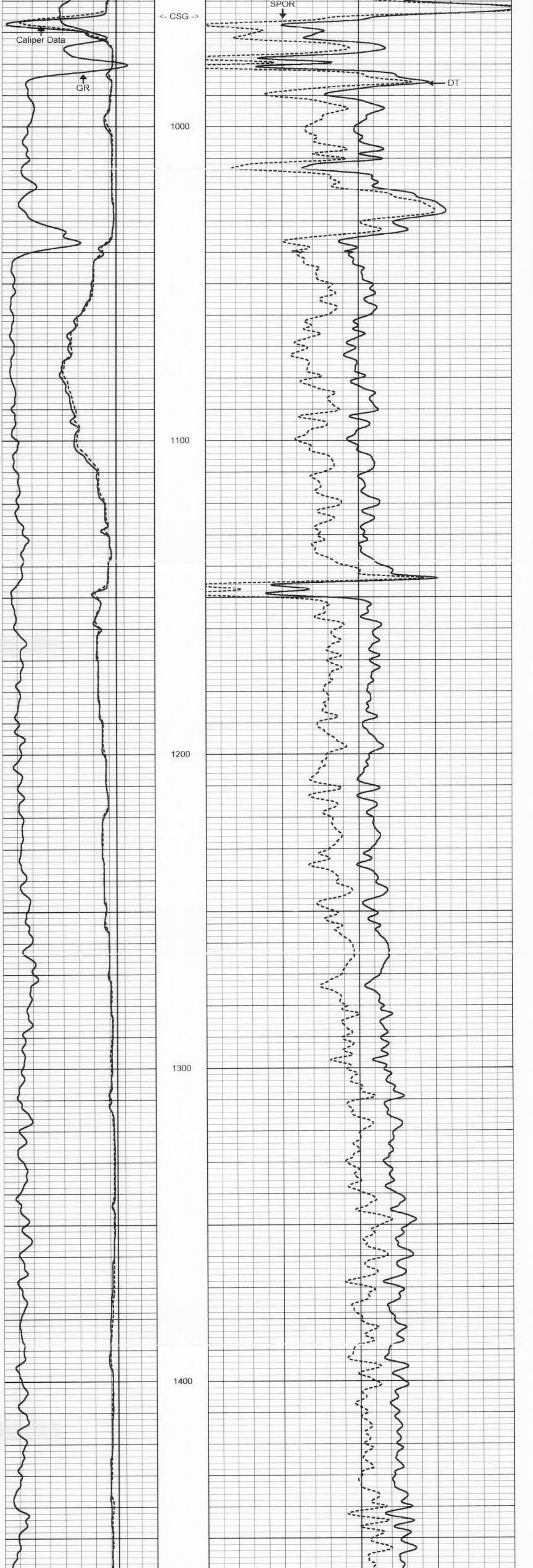
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dtxy13g2.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:600



MV Geophysical

MAIN PASS

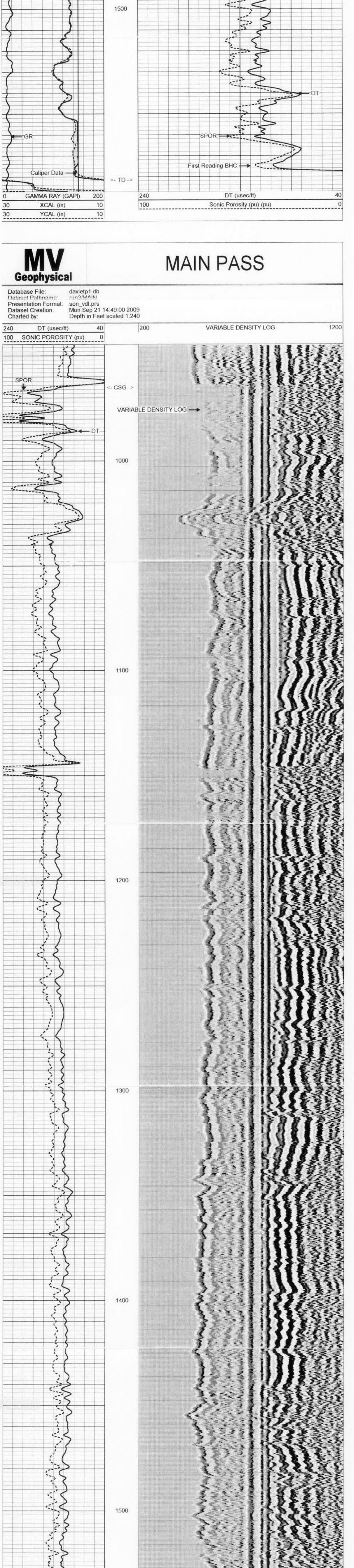
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dtxy13g2.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:240



MV Geophysical

MAIN PASS

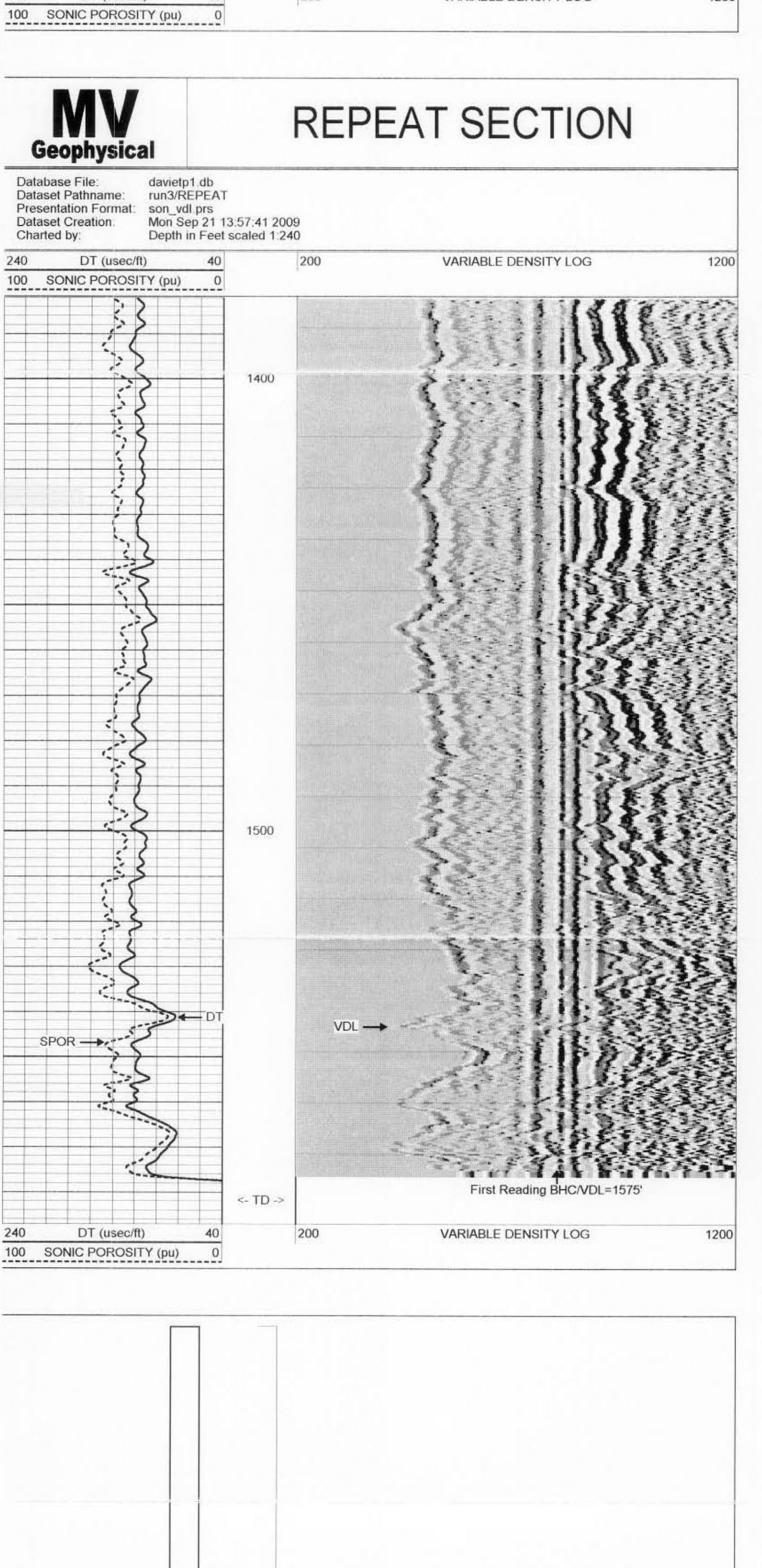
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: son_vdl.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:240

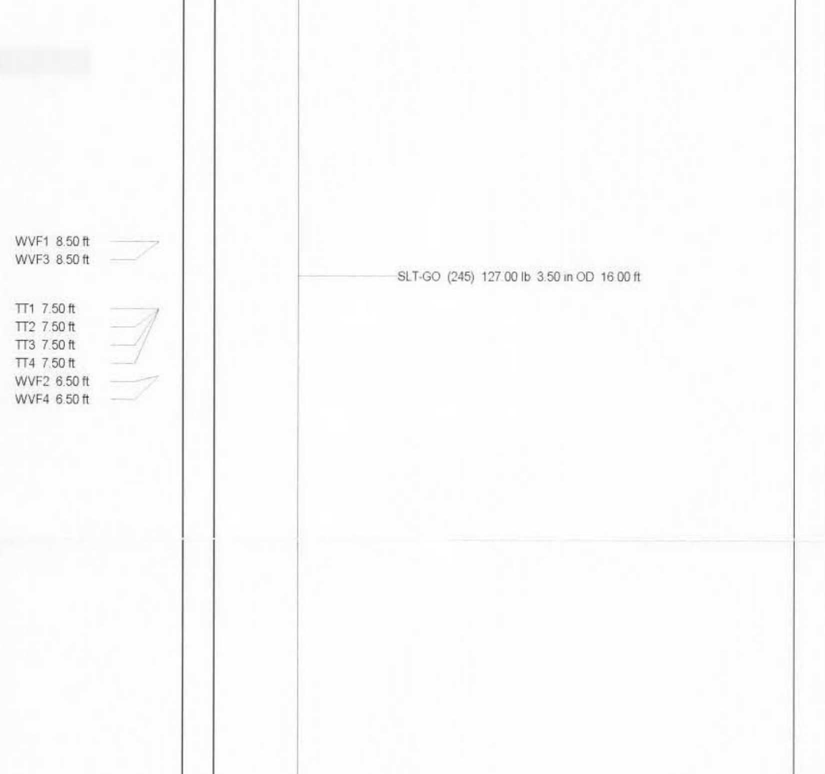


MV Geophysical

REPEAT SECTION

Database File: davietp1.db
Dataset Pathname: run3/REPEAT
Presentation Format: son_vdl.prs
Dataset Creation: Mon Sep 21 13:57:41 2009
Charted by: Depth in Feet scaled 1:240





Dataset: run3/pass9
Total Length: 16.00 ft
Total Weight: 127.00 lb
O.D.: 3.50 in

MV Geophysical

DUAL INDUCTION LL3 / SP LOG

Company	Diversified Drilling Corporation
Well	TPW-1
Field	Davie
County	Broward
State/Prv	Florida
Location	Town of Davie UF Test Site AECOM
Other Services	XY/GR CCT DIL/BHC FLO DHTV
Permanent Datum	G.L.
Log Measured From	G.L.
Drilling Measured From	G.L.
Date	21-SEP-2009
Run Number	FIVE
Depth Driller	1582
Depth Logger	1582
Bottom Logged Interval	1582
Top Log Interval	960
Open Hole Size	15"
Type Fluid	H2O
Density / Viscosity	
Max. Recorded Temp.	see FCT log
Estimated Cement Top	SURFACE
Time Well Ready	06:30 9/21/2009
Time Logger on Bottom	15:00 9/21/2009
Equipment Number	MVGS-1
Location	Ft. Myers
Recorded By	S. Miller/C. Miller
Witnessed By	S. English (AECOM) / D. Adkins (DDC)

Borehole Record

Run Number	Bit	From	To
ONE	12.25"	20	255'
TWO	22"	255	972
THREE	12.25"	985	1815
FOUR	15"	985	1582

Tubing Record

Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	34"		SURFACE	255'
Prot. String	16" FRP	0.375" WT	SURFACE	985'
Production String				

Invoice No. 2009136 | P.O. #111565 | Job No. 70692 | daviet1.db * Final Print *

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Comments

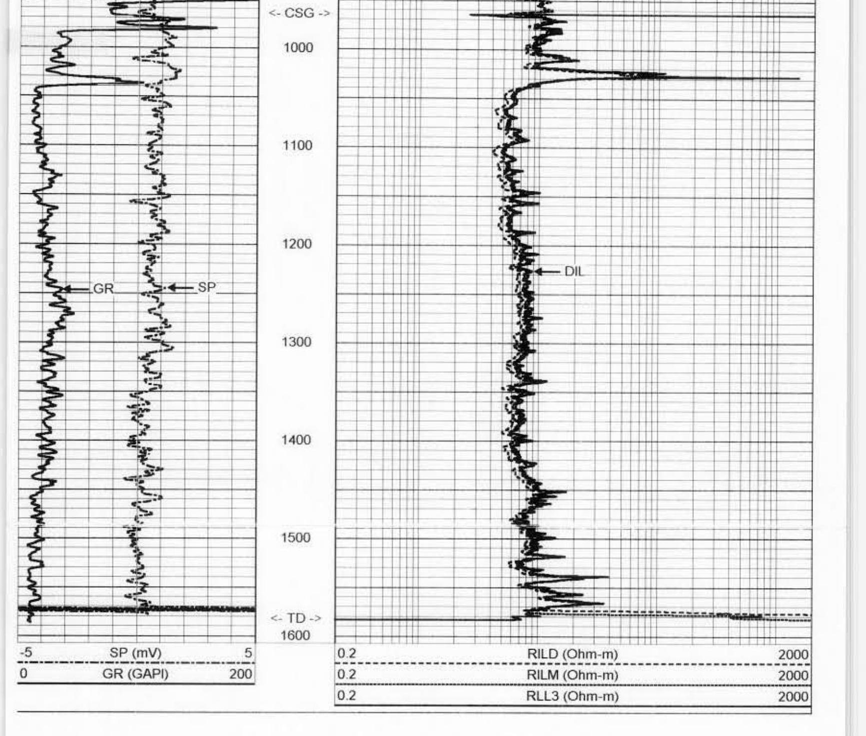
Rw=1.285 ohm-m @ 70.5 degF

Hydraulic Packoff / Full Riser - All Services

MV Geophysical

MAIN PASS

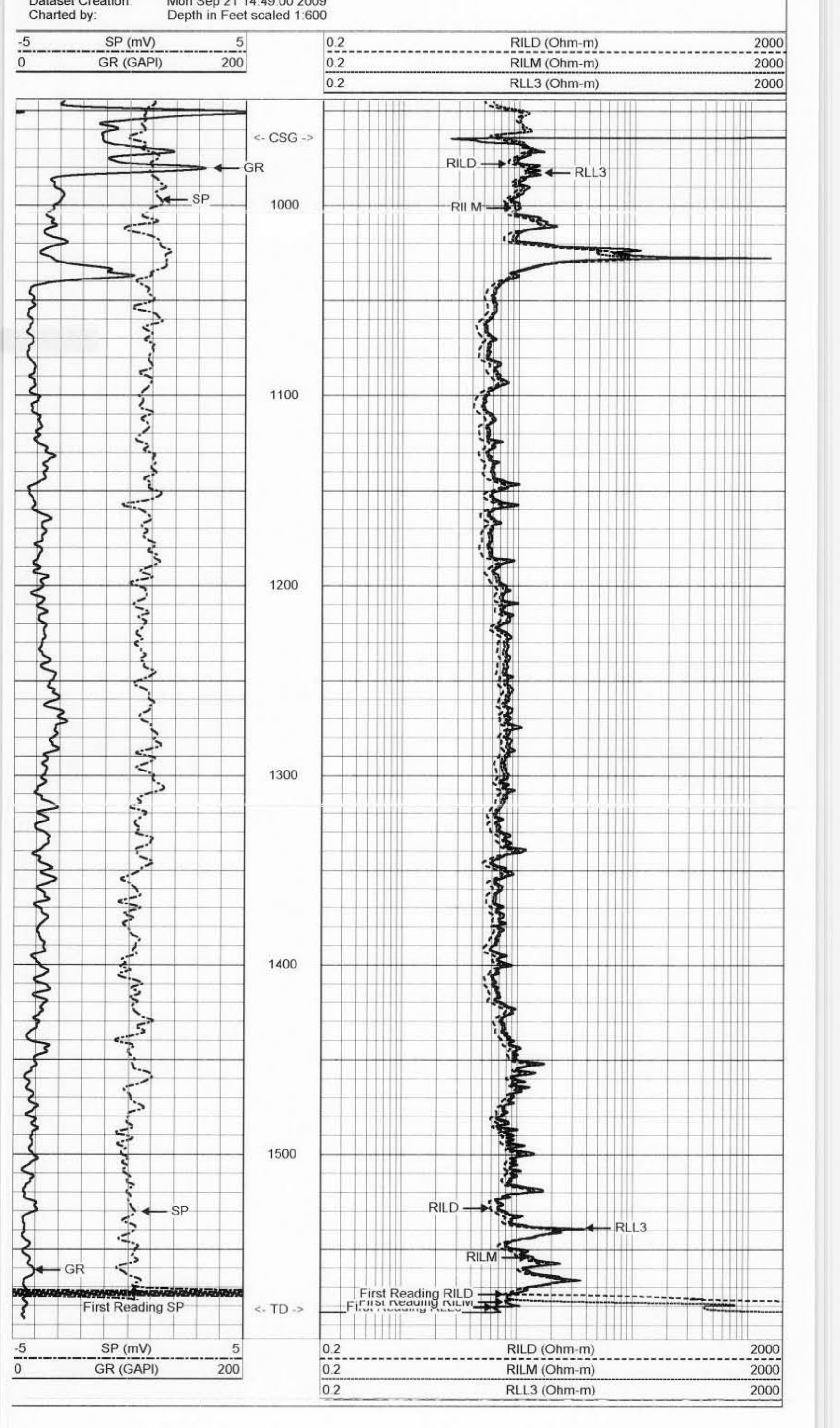
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dil1200.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:1200



MV Geophysical

MAIN PASS

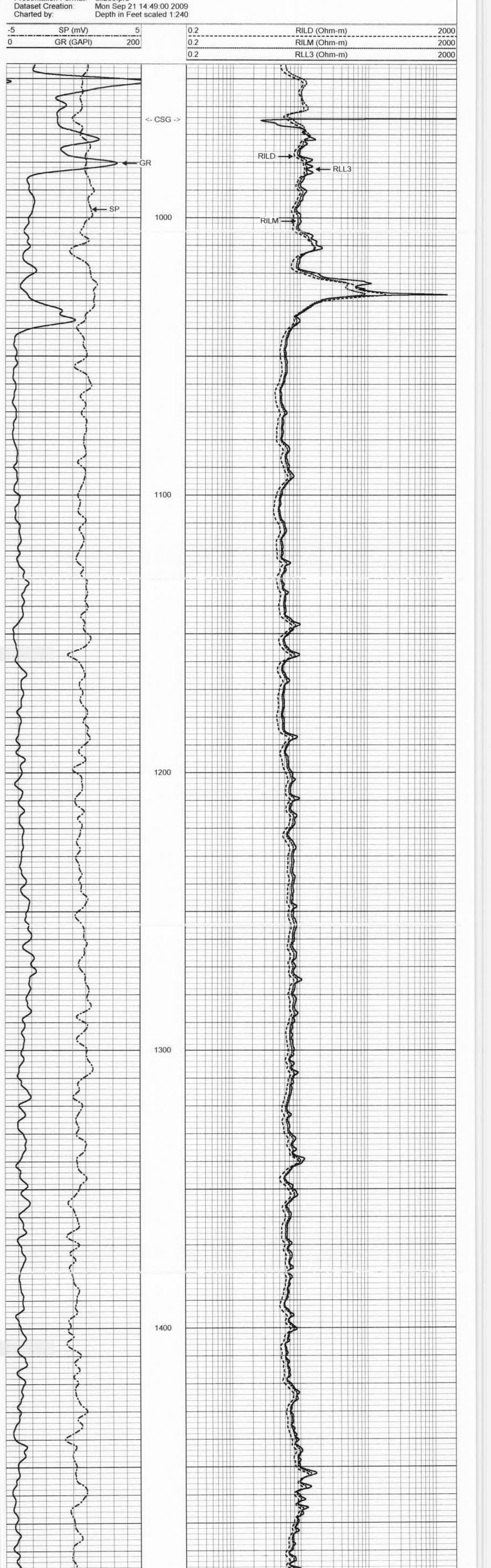
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dil200.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:600



MV Geophysical

MAIN PASS

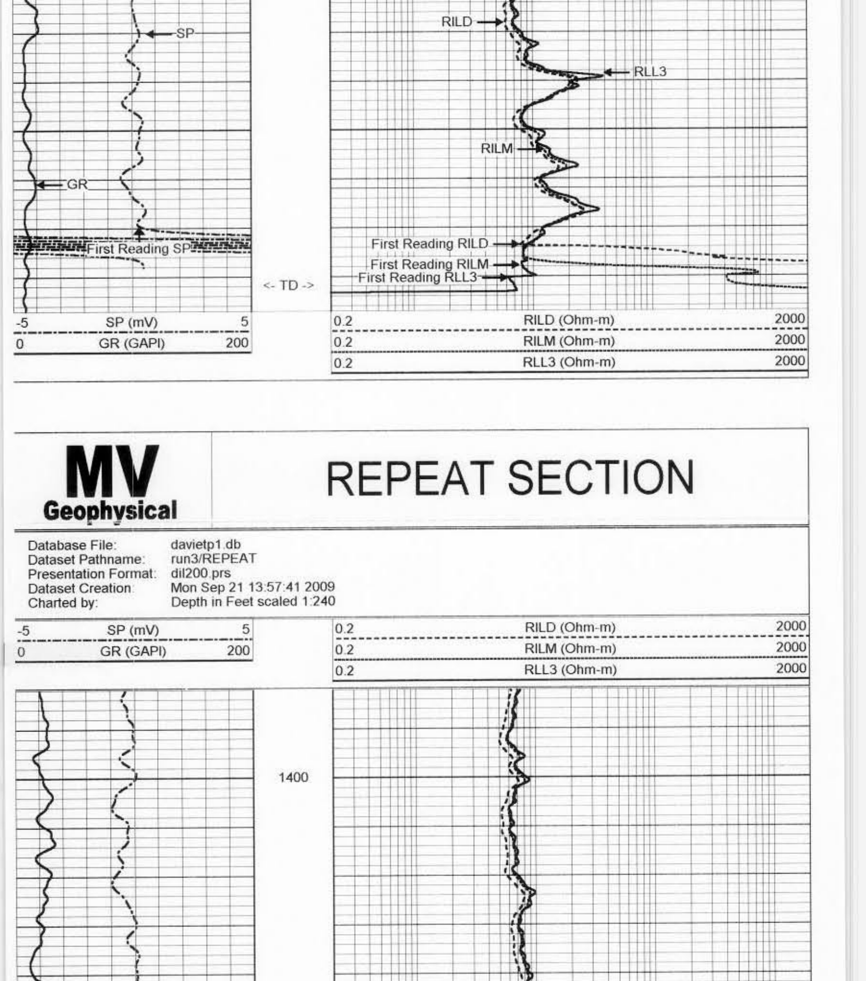
Database File: davietp1.db
Dataset Pathname: run3/MAIN
Presentation Format: dil200.prs
Dataset Creation: Mon Sep 21 14:49:00 2009
Charted by: Depth in Feet scaled 1:240



MV Geophysical

REPEAT SECTION

Database File: davietp1.db
Dataset Pathname: run3/REPEAT
Presentation Format: dil200.prs
Dataset Creation: Mon Sep 21 13:57:41 2009
Charted by: Depth in Feet scaled 1:240



Dual Induction Calibration Report

Serial-Model: 5390-R
Surface Cal Performed: Thu Nov 15 11:21:40 2007
Downhole Cal Performed: Wed Mar 15 11:08:57 2006
After Survey Verification Performed: Thu Nov 15 11:21:50 2007

Surface Calibration

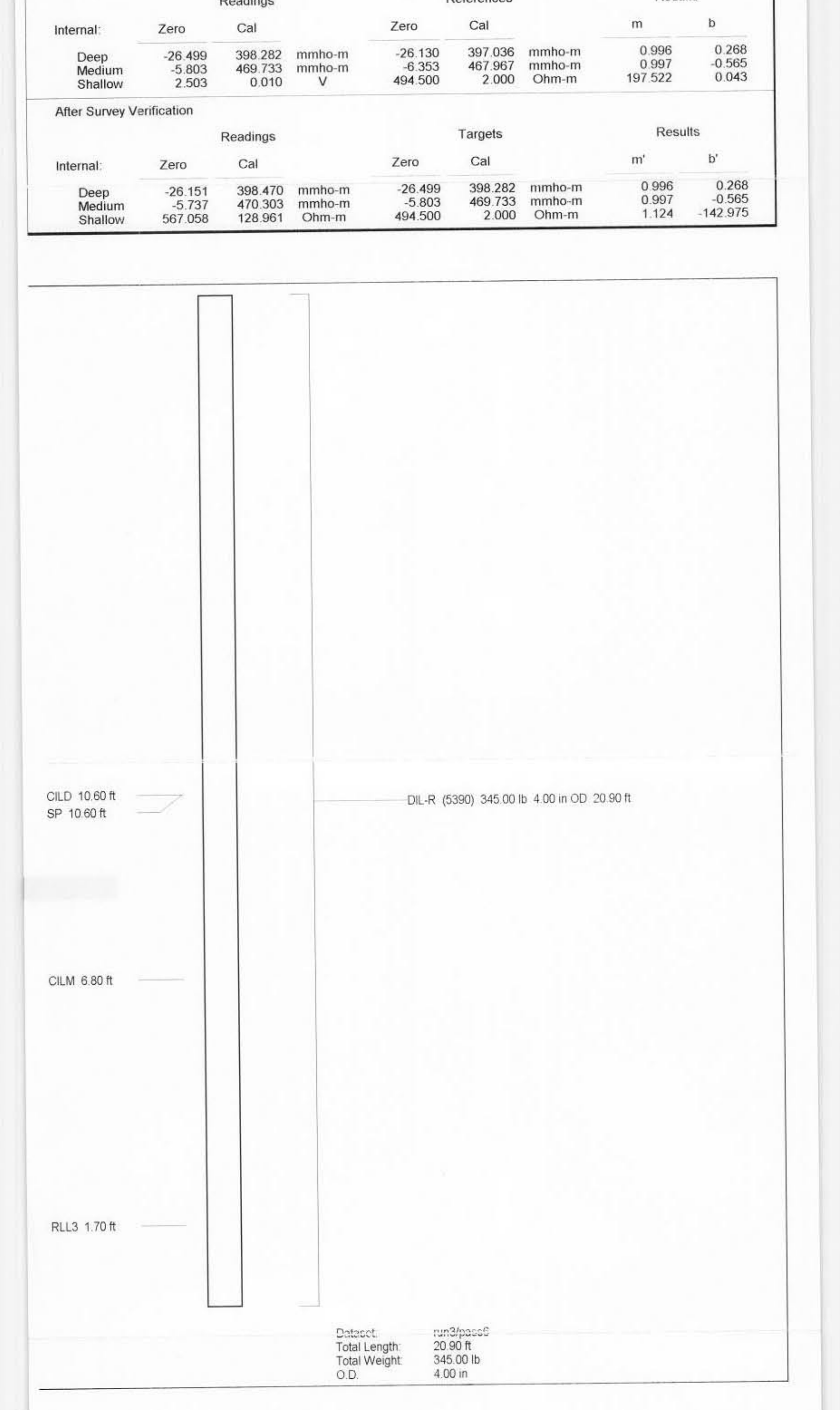
Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	0.050	0.646	V	0.000	400.000	mmho-m	671.771	-33.646
Medium	0.001	0.732	V	0.000	464.000	mmho-m	634.710	-0.492
Internal:	**Zero**	**Cal**		**Zero**	**Cal**		**m**	**b**
Deep	0.011	0.641	V	0.000	400.000	mmho-m	634.996	-7.104
Medium	-0.009	0.738	V	0.000	464.000	mmho-m	620.900	5.734

Downhole Calibration

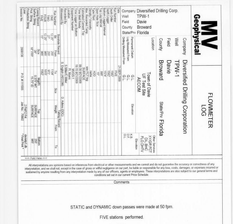
Internal:	Readings Zero	Readings Cal		References Zero	References Cal		Results m	Results b
Deep	-26.499	398.282	mmho-m	-26.130	397.036	mmho-m	0.996	0.268
Medium	-5.803	469.733	mmho-m	-6.353	467.967	mmho-m	0.997	-0.565
Shallow	2.503	0.010	V	494.500	2.000	Ohm-m	197.522	0.043

After Survey Verification

Internal:	Readings Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results b'
Deep	-26.151	398.470	mmho-m	-26.499	398.282	mmho-m	0.996	0.268
Medium	-5.737	470.303	mmho-m	-5.803	469.733	mmho-m	0.997	-0.565
Shallow	567.058	128.961	Ohm-m	494.500	2.000	Ohm-m	1.124	-142.975



Dataset: run3/pass5
Total Length: 20.90 ft
Total Weight: 345.00 lb
O.D.: 4.00 in



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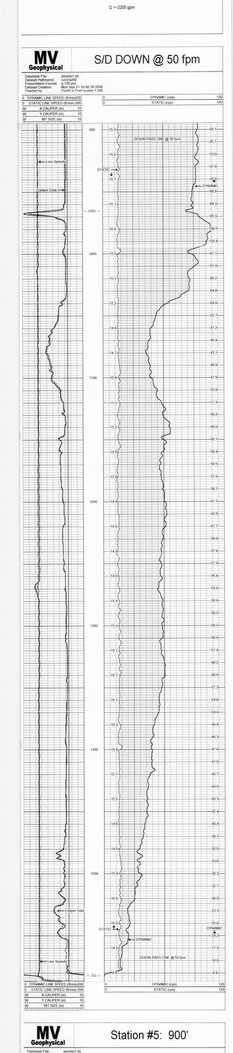
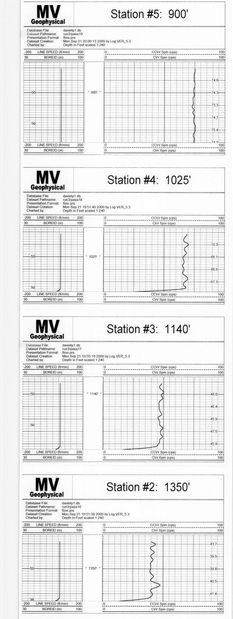
Comments

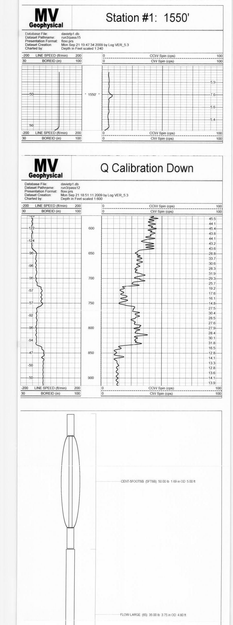
STATIC and DYNAMIC down passes were made at 50 fpm.

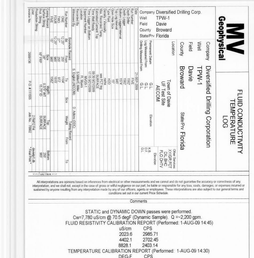
FIVE stations performed.

Q = 2200.gpm









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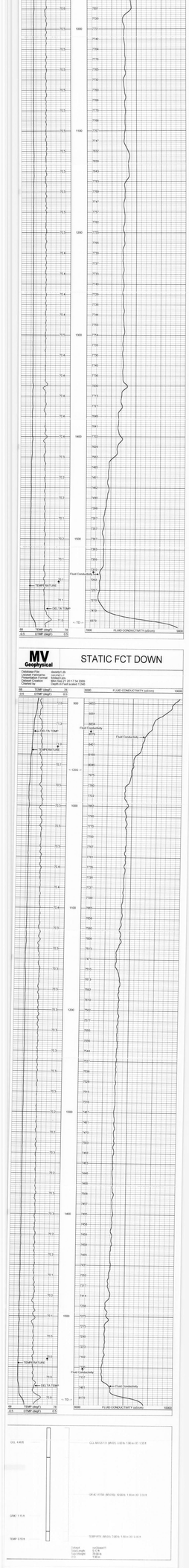
Comments

STATIC and DYNAMIC DOWN passes were performed.
Cw=7,780 uS/cm @ 25 deg C. Rw=0.128 ohm-m. Q = 1,200 gpm
FLUID RESISTIVITY CALIBRATION REPORT (Performed: 1-AUG-09 14:45)

uS/cm	CPS
2023.6	2985.71
4482.1	2702.45
7780.0	2390.00

TEMPERATURE CALIBRATION REPORT (Performed: 1-AUG-09 14:30)

DEG.F	CPS
38.5	147.801
148.8	2690.21