





# MV Geophysical

## FLOWMETER INTERPRETATION

Company: Diversified Drilling Corp.  
 Well: Exploratory Well  
 Field: Naples  
 County: Collier  
 State/Pv: Florida

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 Well: Exploratory Well  
 Field: Naples  
 County: Collier  
 State/Pv: Florida

Location: Garcia Road WTP  
 CDM

Permanet Datum: G.L.  
 Log Measured From: G.L.  
 Drilling Measured From: G.L.

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

Date: 29-OCT-2004

Run Number: THREE  
 Depth Driller: 422  
 Depth Logger: 421  
 Bottom Logged Interval: 421-235  
 Top Log Interval: 9'

Open Hole Size: WATER  
 Type Fluid: NANA  
 Density / Viscosity: na  
 Max. Recorded Temp.: NA

Estimated Cement Top: 08:00 10/29/04  
 Time Well Ready: 12:00 10/29/04  
 Time Logger on Bottom: MMS-1  
 Equipment Number: F. Mears  
 Location: S. Wimer  
 Recorded By: S. Wimer  
 Witnessed By: S. Day / CDM

Run Number: ONE, TWO, THREE  
 Bit: 7.875", 16", 288"  
 From: 120", 120", 288"  
 To: 420", 288", 422"

Borehole Record: S. Day / CDM  
 Taping Record: N/A  
 Weight: From To

Casing Record: 18" PVC  
 Surface String: 16.75" ID  
 Production String: 10" PVC  
 9.625" ID

Job No.: 2004153  
 P.O. #:  
 Job No.:

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

Comments

Q, %Q & Fluid Velocity presentations include a regular Line Speed and Caliper corrected only format, and an interpretative "LOGICAL" format.  
 "LOGICAL" Q, %Q & Fluid Velocity passes assume no thief zones (Q & %Q can only increase).  
 6 Stations were performed.  
 Q ~250 gpm

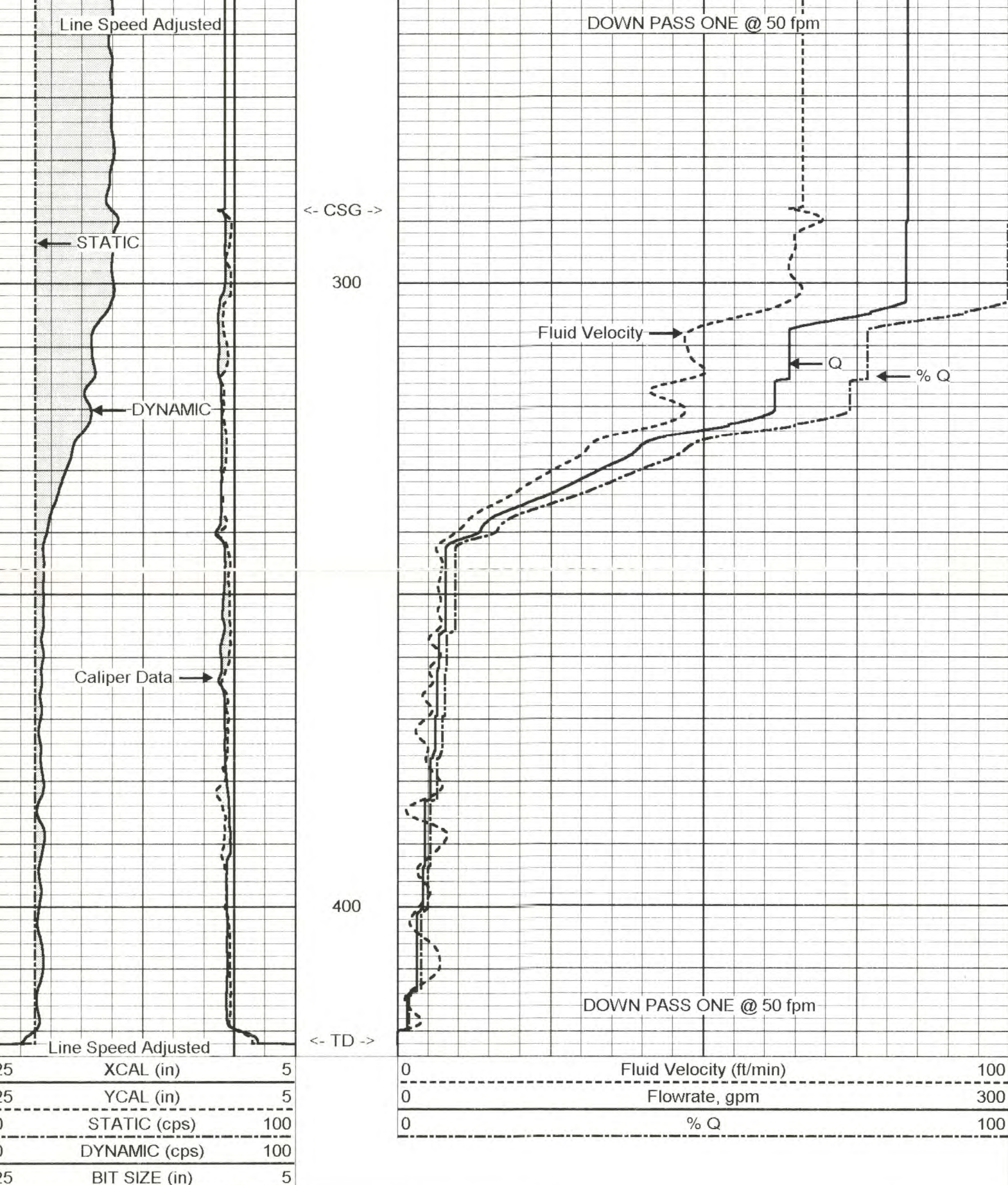
# MV Geophysical

## "Logical" Q, %Q & F.Vel.

Database File: caricaew.db  
 Dataset Pathname: run3/q50  
 Presentation Format: lpvq1.prs  
 Dataset Creation: Sat Nov 13 13:10:16 2004  
 Charted by: Depth in Feet scaled 1:240

25	XCAL (in)	5
25	YCAL (in)	5
0	STATIC (cps)	100
0	DYNAMIC (cps)	100
25	BIT SIZE (in)	5

0	Fluid Velocity (ft/min)	100
0	Flowrate, gpm	300
0	% Q	100



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25	YCAL (in)	5
0	STATIC (cps)	100
0	DYNAMIC (cps)	100
25	BIT SIZE (in)	5

0	Fluid Velocity (ft/min)	100
0	Flowrate, gpm	300
0	% Q	100

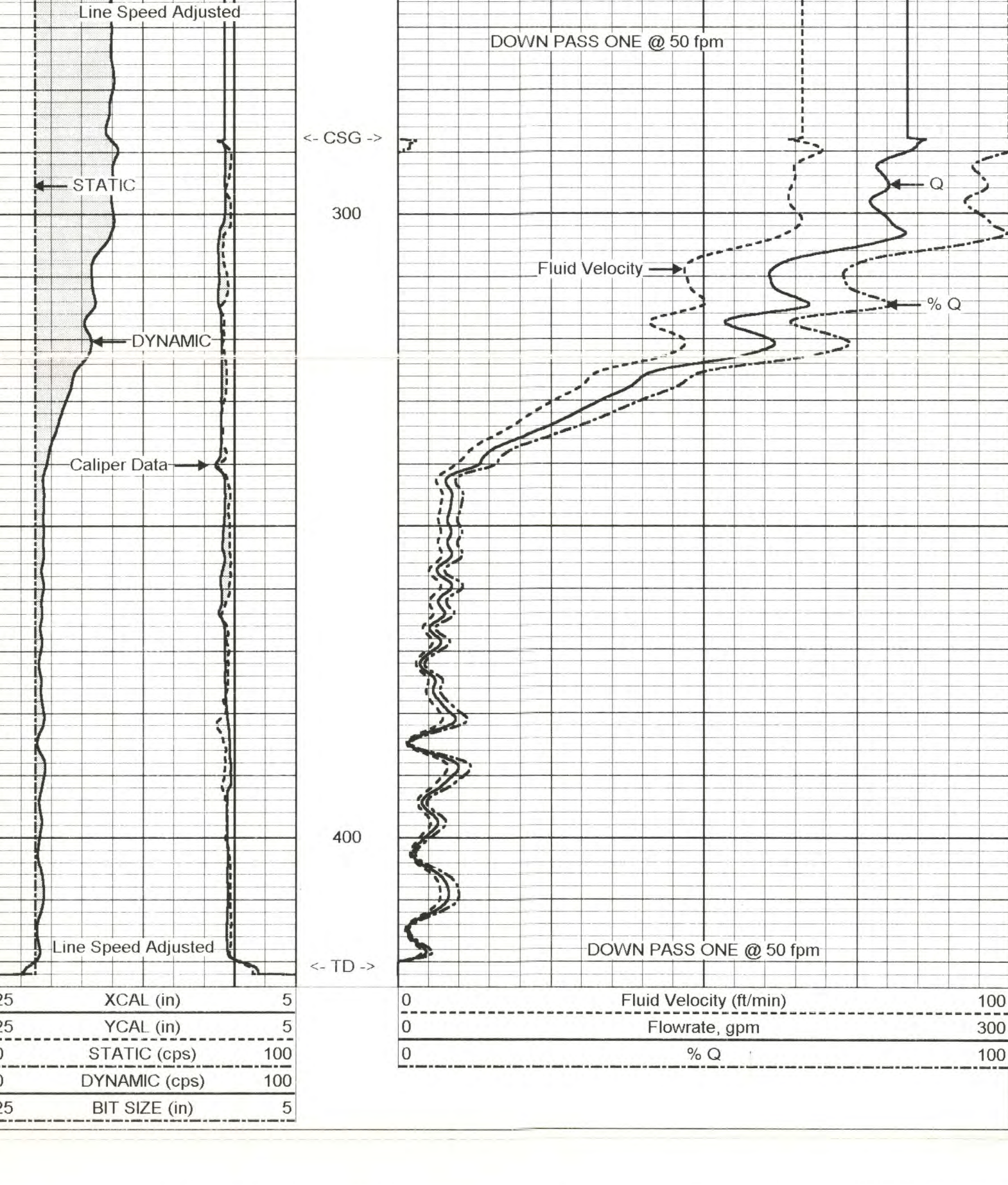
# MV Geophysical

## "Raw" Q, %Q & F.Vel.

Database File: caricaew.db  
 Dataset Pathname: run3/q50  
 Presentation Format: pvq1.prs  
 Dataset Creation: Sat Nov 13 13:10:17 2004  
 Charted by: Depth in Feet scaled 1:240

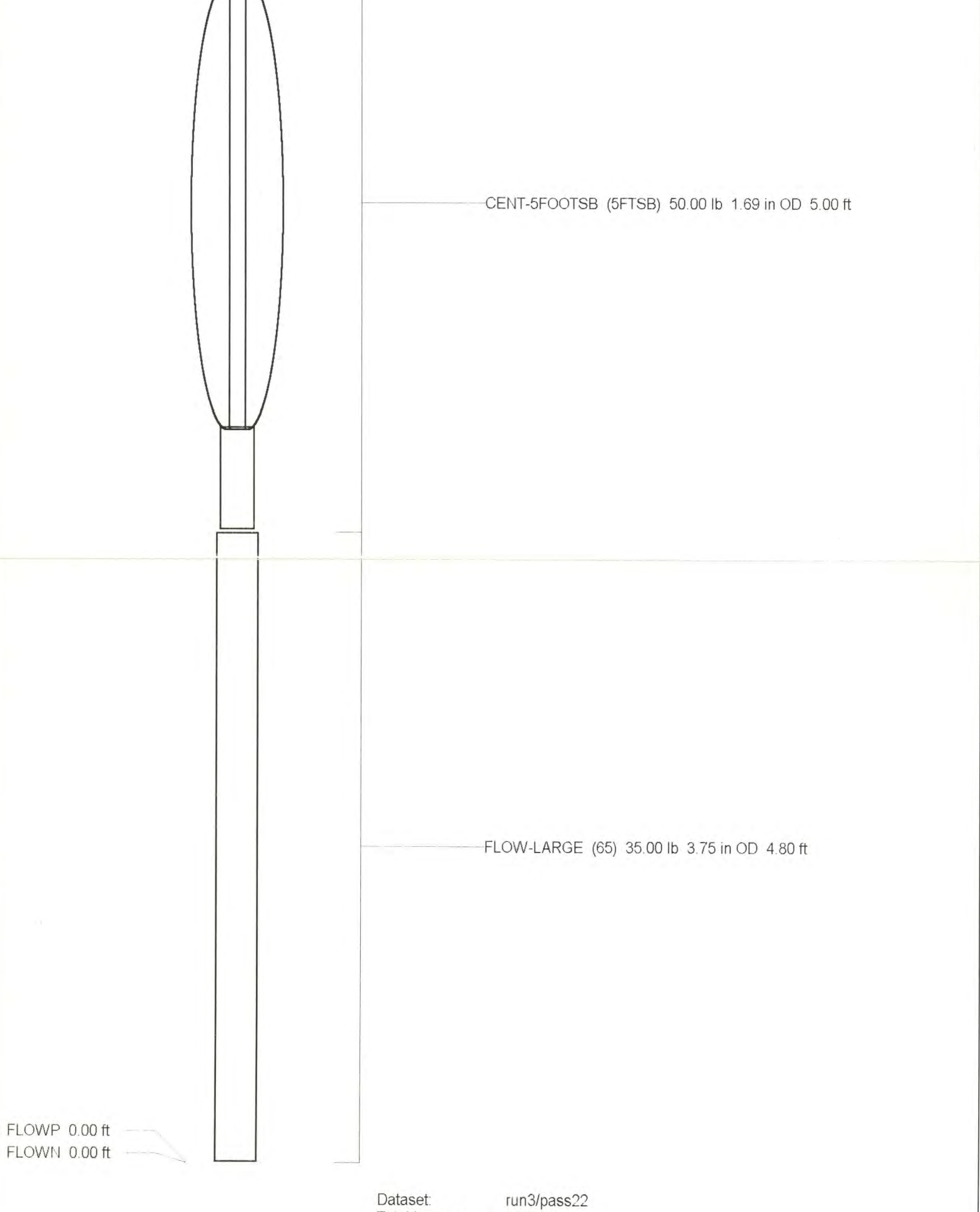
25	XCAL (in)	5
25	YCAL (in)	5
0	STATIC (cps)	100
0	DYNAMIC (cps)	100
25	BIT SIZE (in)	5

0	Fluid Velocity (ft/min)	100
0	Flowrate, gpm	300
0	% Q	100



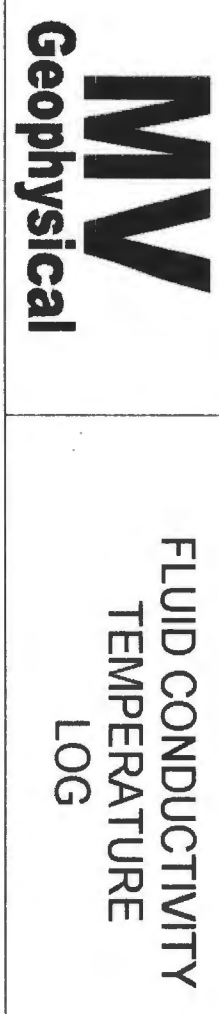
25	XCAL (in)	5
25	YCAL (in)	5
0	STATIC (cps)	100
0	DYNAMIC (cps)	100
25	BIT SIZE (in)	5

0	Fluid Velocity (ft/min)	100
0	Flowrate, gpm	300
0	% Q	100





# FLUID CONDUCTIVITY TEMPERATURE LOG



**Company:** Diversified Drilling Corp.  
**Well:** Exploratory Well  
**Field:** Naples  
**County:** Collier  
**State/Prv:** Florida  
**Location:** Carcia Road WTP CDM  
**Other Services:** XY/GR, BHC/DIL, FLOW  
**Permanent Datum:** G.L.  
**Elevation:** G.L.  
**Log Measured From:** G.L.  
**Drilling Measured From:** G.L.  
**Date:** 29-OCT-2004  
**Run Number:** THREE  
**Depth Driller:** 422'  
**Depth Logger:** 421'  
**Bottom Logged Interval:** 421'  
**Top Log Interval:** 295'  
**Open Hole Size:** 9"  
**Type Fluid:** WATER  
**Density / Viscosity:** NANA  
**Max. Recorded Temp.:** na  
**Estimated Cement Top:** NA  
**Time Well Ready:** 08:00 10/29/04  
**Time Logger on Bottom:** 08:00 10/29/04 S  
**Equipment Number:** MVGS-1  
**Location:** Ft. Myers  
**Recorded By:** S. Miller  
**Witnessed By:** S. Day (CDM)  
**Rate (DDC):**  
**Tube Record:**  
**Run Number:** ONE, TWO, THREE  
**Bit:** 7.875", 1.20", 1.20", 2.88", 9", 2.88"  
**From:** 120', 288', 422'  
**To:** 420', 288', 422'  
**Size:**  
**Weight:**  
**From:**  
**To:**  
**Casing Record:**  
**Surface String:** 18" PVC  
**Prod. String:** 10" PVC  
**Production String:**  
**Wt/ft:** 16.75, 12.0  
**ID:** 9.625", 2.88"  
**Top:** SURFACE  
**Bottom:** SURFACE  
**Invoice No.:** 2004153  
**P.O.#:**  
**Job No.:**  
**\*FINAL PRINT\***

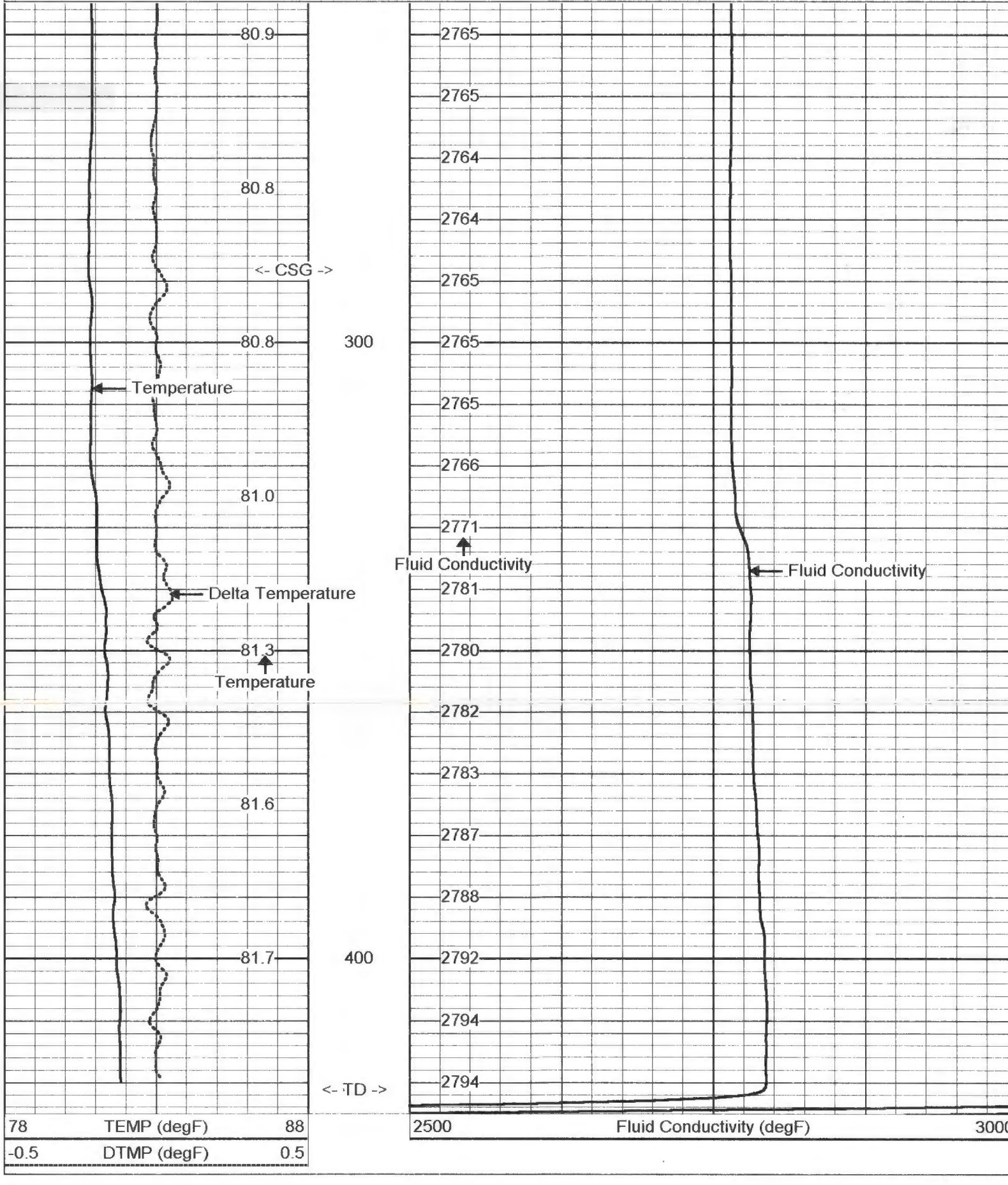
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Comments

STATIC and DYNAMIC DOWN passes were performed.  
 Cw=2757 uS/cm @ 80.8 degF (Dynamic Sample). Q ~250 gpm.  
 FLUID RESISTIVITY CALIBRATION REPORT (Performed: 16-AUG-04 13:00)  
 OHM-M CPS  
 820.1 4400.12  
 1525.1 3890.11  
 3315.0 3565.33  
 TEMPERATURE CALIBRATION REPORT (Performed: 16-AUG-04 13:45)  
 DEG-F CPS  
 34.6 2346.14  
 144.6 6955.44

## Dynamic FCT Down

Database File: caricaew.db  
 Dataset Pathname: run3/DFCT  
 Presentation Format: fct5.prs  
 Dataset Creation: Fri Oct 29 14:21:36 2004  
 Charted by: Depth in Feet scaled 1:240



## Static FCT Down

Database File: caricaew.db  
 Dataset Pathname: run3/SFCT  
 Presentation Format: fct5.prs  
 Dataset Creation: Fri Oct 29 14:11:00 2004  
 Charted by: Depth in Feet scaled 1:240

