**YOUNGQUIST BROTHERS, Inc**
GEOPHYSICAL LOGGING DIVISION

# FLUID CONDUCTIVITY TEMPERATURE LOG

| | |
|---|---|
| Company | FLORIDA POWER & LIGHT |
| Well | PW-1 |
| Field | WEST COUNTY ENERGY CENTER |
| County | PALM BEACH |
| State | FL |
| Location | |
| Other Services | XYC/GR<br>DIL<br>FLOW |

| | | | |
|---|---|---|---|
| Permanent Datum | PAD | Elevation | |
| Log Measured From | PAD | | |
| Drilling Measured From | PAD | | |

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

| | |
|---|---|
| Date | 11-SEPT-2007 |
| Run Number | FIVE |
| Depth Driller | 1700' |
| Depth Logger | 1700' |
| Bottom Logged Interval | 1700' |
| Top Log Interval | CASING |
| Open Hole Size | 22" |
| Type Fluid | WATER |
| Density / Viscosity | N/A |
| Max. Recorded Temp. | N/A |
| Estimated Cement Top | |
| Time Well Ready | ON ARRIVAL |
| Time Logger on Bottom | 2000 |
| Equipment Number | 103 |
| Location | FT. MYERS |
| Recorded By | CATHEY |
| Witnessed By | J. ANDERSEN |

Borehole Record

| Run Number | Bit | From | To | Run No. | Bit | From | To |
|---|---|---|---|---|---|---|---|
| ONE | 58.5" | SURFACE | 50' | | | | |
| TWO | 12.25" | CASING | 1163' | | | | |
| | 46.50" | CASING | 274' | | | | |

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | 48" | .375 W.T | SURFACE | 49' |
| Prot. String | 40" | .375 W.T. | SURFACE | 270' |
| Production String | 26.50 FRP" | 1.25" W.T. | SURFACE | 1065' |
| Liner | | | | |

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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

DYNAMIC FLOWRATE = 840 GPM

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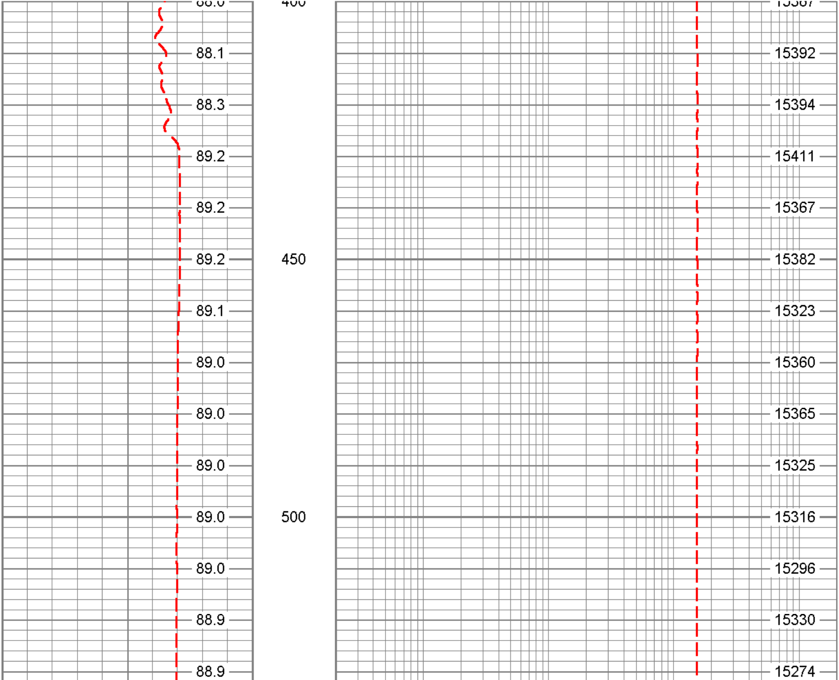
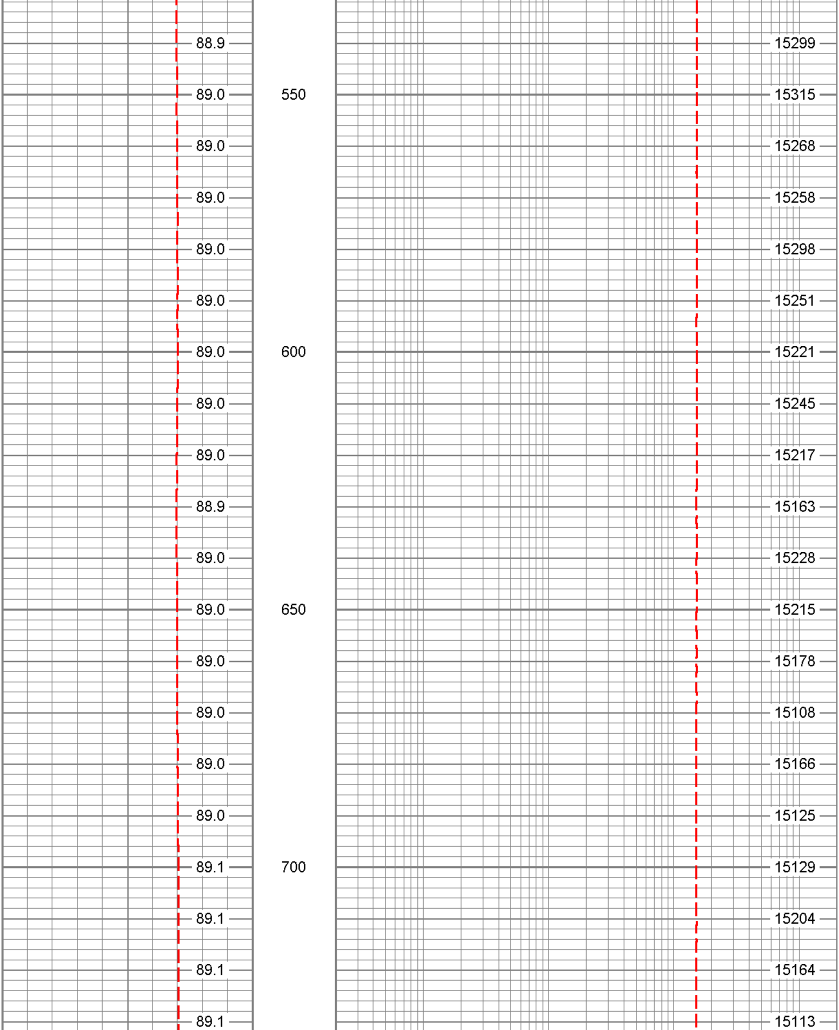
# MERGED FCT

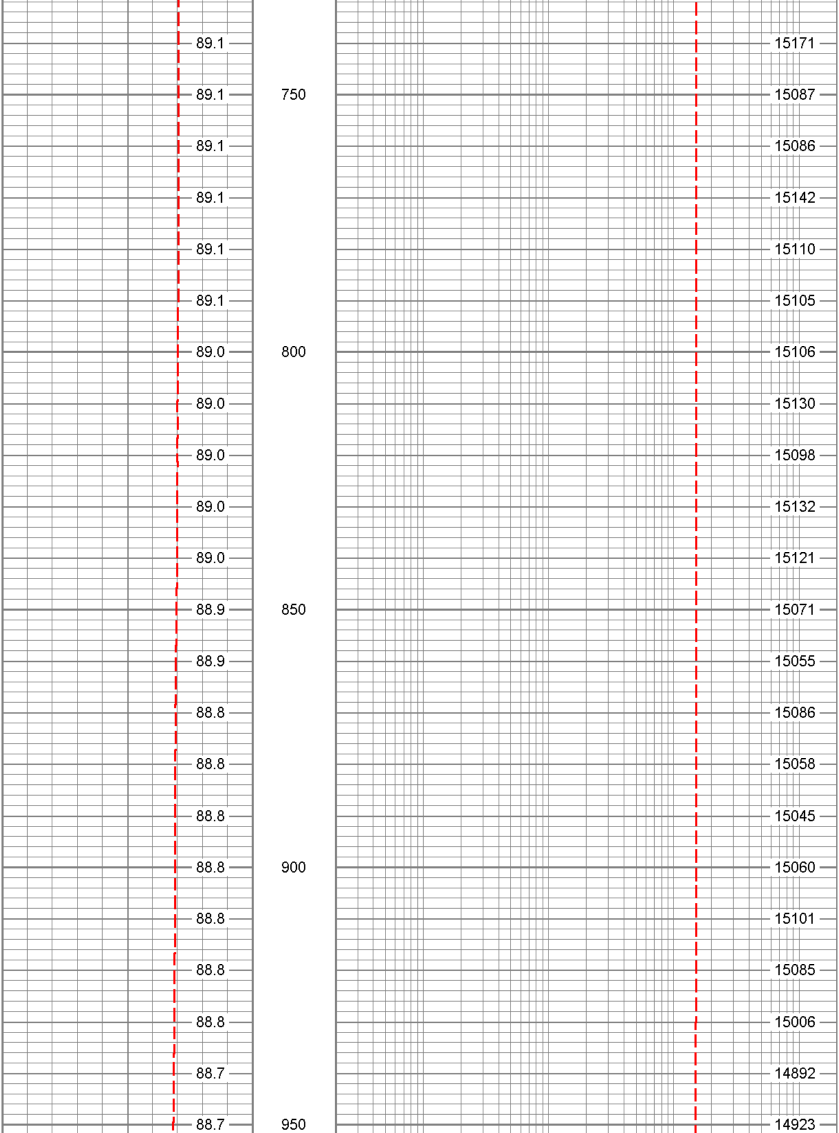
| | |
|---|---|
| Database File: | fplpw-1.db |
| Dataset Pathname: | run5/pass8 |
| Presentation Format: | FRT_MG |
| Dataset Creation: | Tue Sep 11 20:16:40 2007 by Log 6.2_B4 |
| Charted by: | Depth in Feet scaled 1:240 |

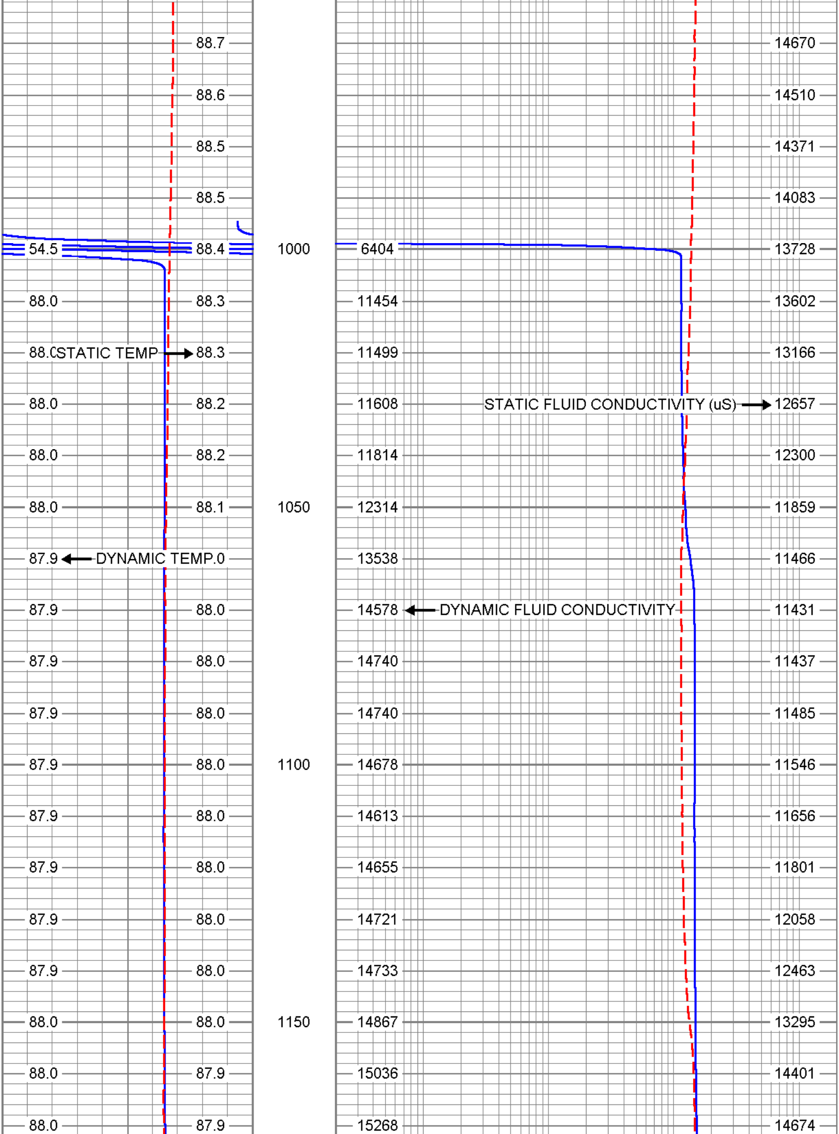
75 DYNAMIC TEMP (degF) 95
75 STATIC TEMP (degF) 95

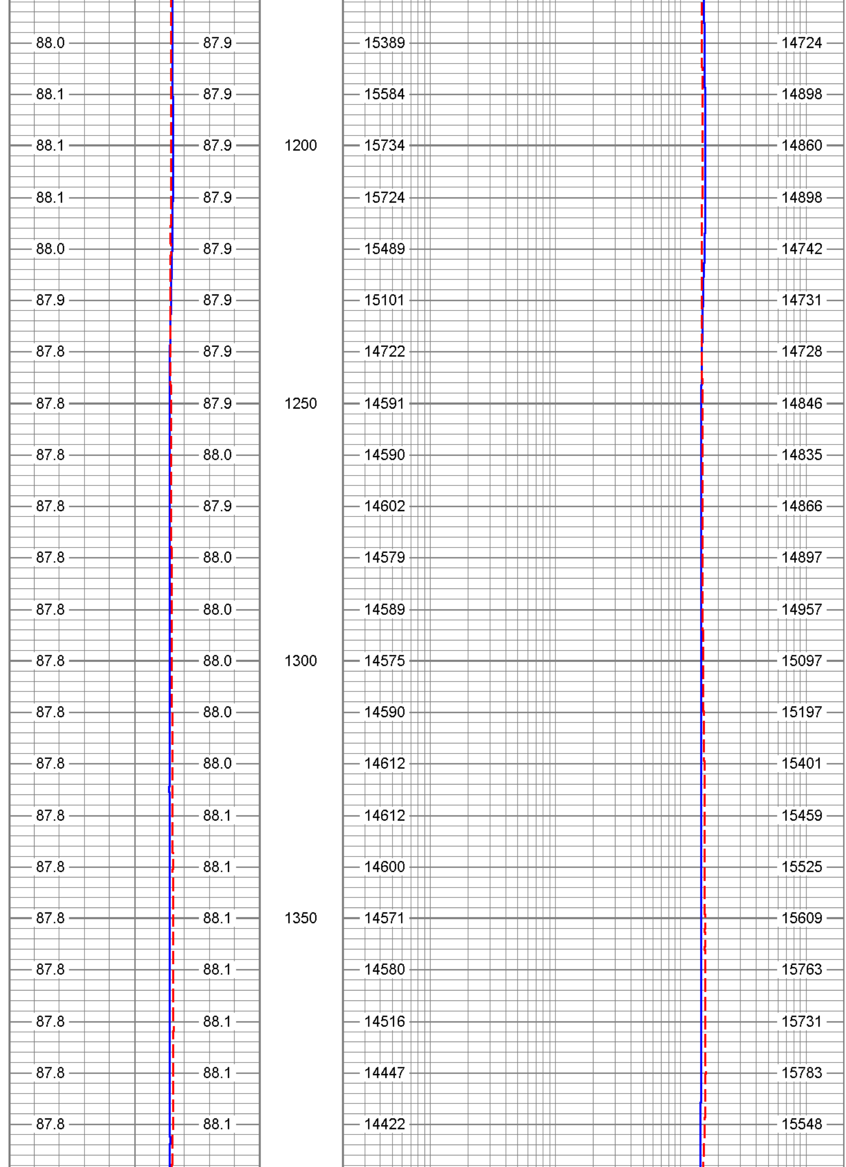
20 DYNAMIC FLUID CONDUCTIVITY (uS) 200000
20 STATIC FLUID CONDUCTIVITY (uS) 200000

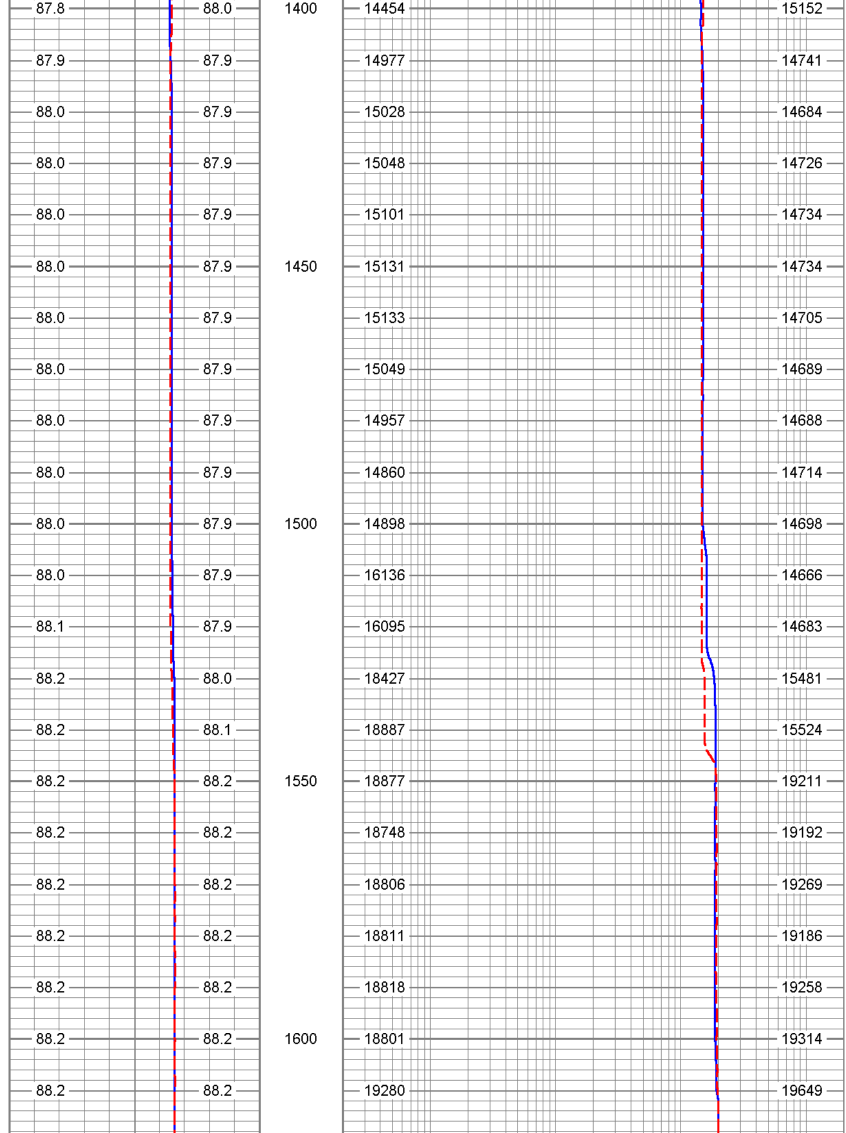


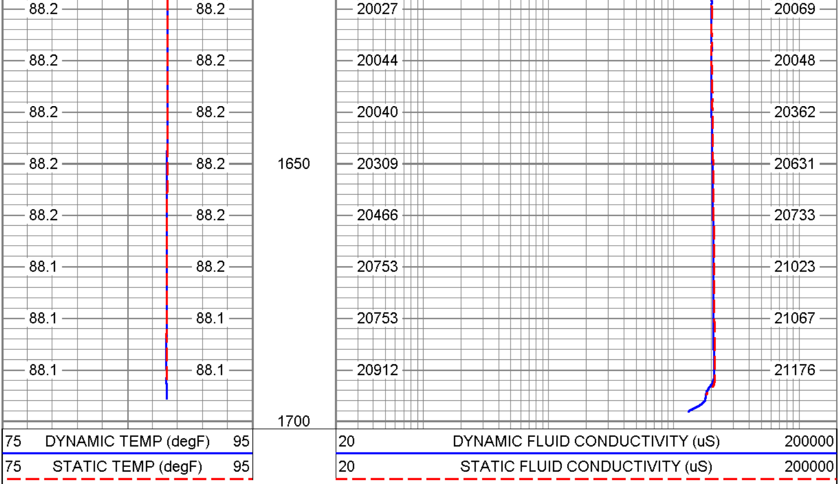












## FRT Calibration Report

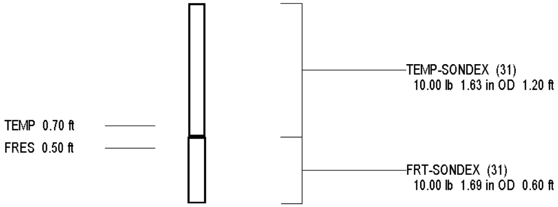
Serial Number: 31
Tool Model: SONDEX
Performed: Wed Jul 12 08:38:31 2006

| Point # | Reading | | Reference |
|---|---|---|---|
| 1 | 30.817 | cps | 1000.000 |
| 2 | 171.328 | cps | 10000.000 |
| 3 | 448.517 | cps | 25000.000 |
| 4 | 965.867 | cps | 50000.000 |
| 5 | | cps | |
| 6 | | cps | |

## Temperature Calibration Report

Serial Number: 31
Tool Model: SONDEX
Performed: Tue Feb 27 11:21:18 2007

| Point # | Reading | | Reference | |
|---|---|---|---|---|
| 1 | 128.595 | cps | 41 | degF |
| 2 | 265.492 | cps | 70 | degF |
| 3 | 697.392 | cps | 156 | degF |



| | |
|---|---|
| Dataset: | run5/pass8 |
| Total Length: | 1.80 ft |
| Total Weight: | 20.00 lb |
| O.D. | 1.69 in |