**YOUNGQUIST BROTHERS, Inc**
GEOPHYSICAL LOGGING DIVISION

# DUAL INDUCTION
# LL3 with SP
# LOG

| | |
|---|---|
| Company | FLORIDA POWER & LIGHT |
| Well | PW-1 |
| Field | WEST COUNTY ENERGY CENTER |
| County | PALM BEACH |
| State | FL |

Company FLORIDA POWER & LIGHT
Well PW-1
Field WEST COUNTY ENERGY CENTER
County PALM BEACH State FL

Location

Other Services
SEE
COMMENTS

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

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

| | | |
|---|---|---|
| Date | 27-JUNE-2007 | |
| Run Number | ONE | |
| Depth Driller | 1163' | |
| Depth Logger | 1163' | |
| Bottom Logged Interval | 1163' | |
| Top Log Interval | CASING | |
| Open Hole Size | 12.25" | |
| Type Fluid | MUD | |
| Density / Viscosity | N/A | |
| Max. Recorded Temp. | N/A | |
| Estimated Cement Top | N/A | |
| Time Well Ready | 0600 | |
| Time Logger on Bottom | 0630 | |
| Equipment Number | 103 | |
| Location | FT. MYERS | |
| Recorded By | GOODWIN | TELLEZ |
| Witnessed By | | |

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

| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | | | | |
| Prot. String | | | | |
| Production String | | | | |
| Liner | | | | |

<<< 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

OTHER SERVICES:

X-Y CALIPER GAMMA RAY

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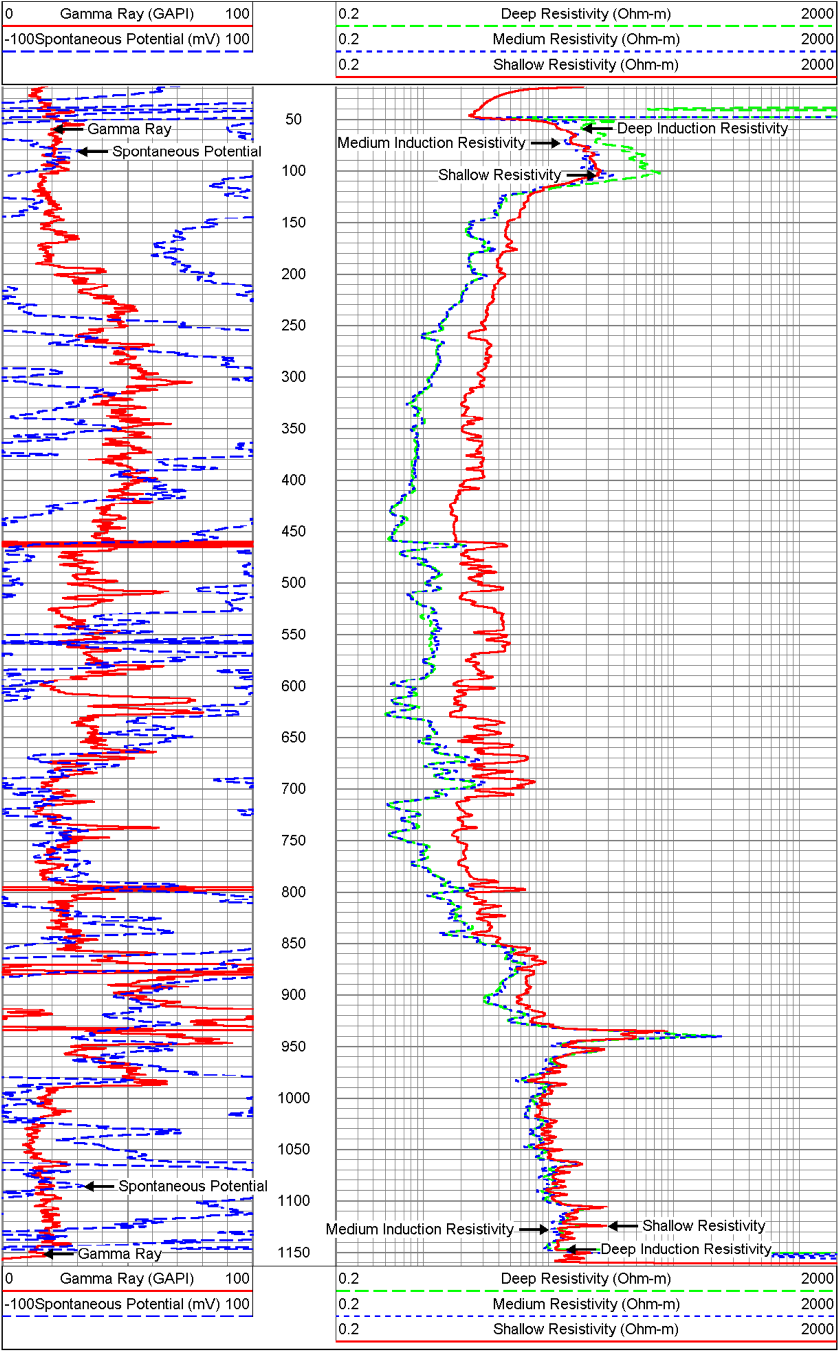
# MAIN PASS

| | |
|---|---|
| Database File: | fplpw-1.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | DIL |
| Dataset Creation: | Wed Jun 27 06:17:14 2007 by Log 6.2_B4 |
| Charted by: | Depth in Feet scaled 1:1200 |



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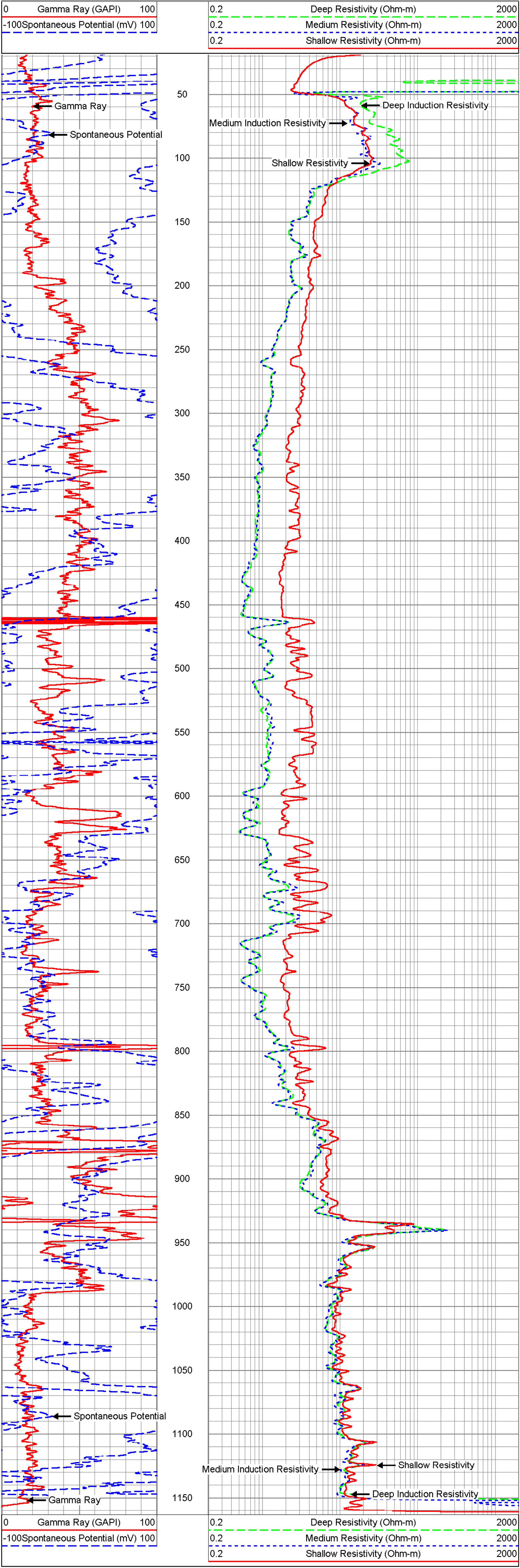
# MAIN PASS

| | |
|---|---|
| Database File: | fplpw-1.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | DIL |
| Dataset Creation: | Wed Jun 27 06:17:14 2007 by Log 6.2_B4 |
| Charted by: | Depth in Feet scaled 1:600 |



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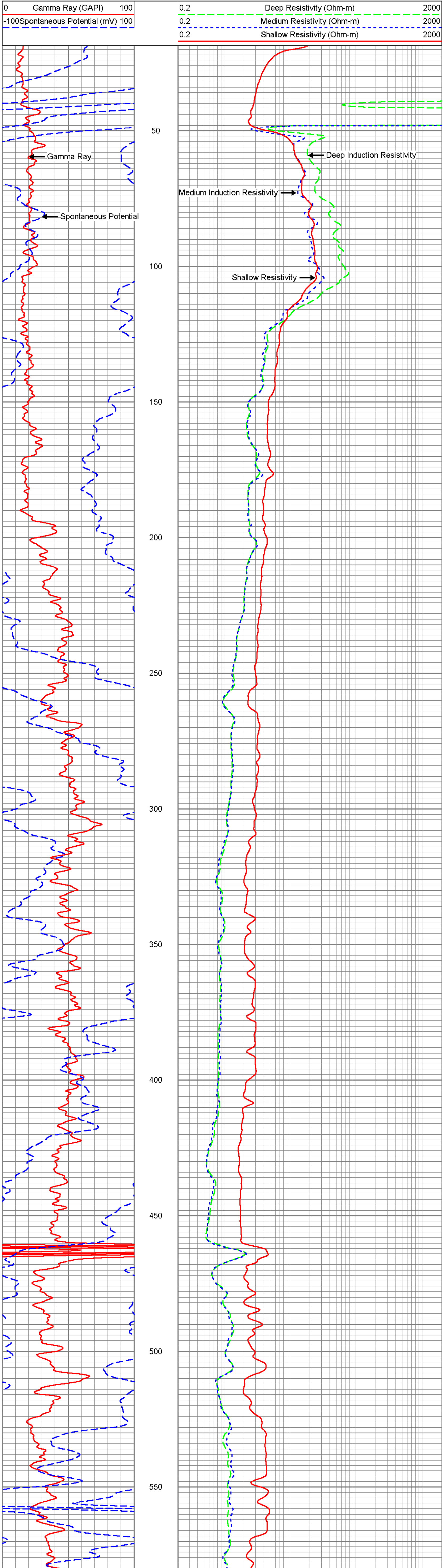
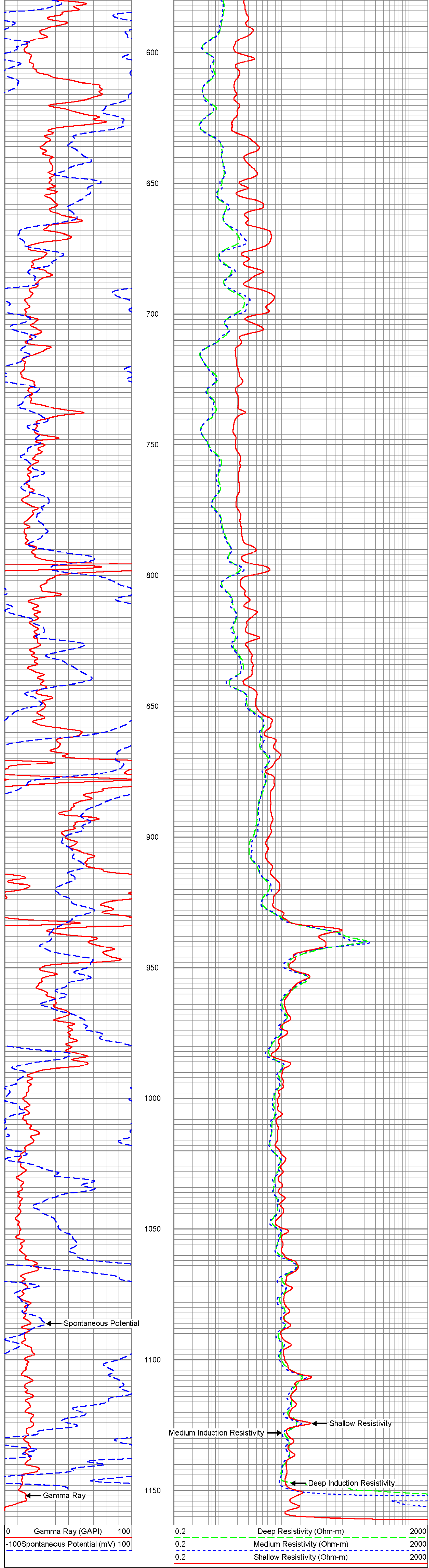
GEOPHYSICAL LOGGING DIVISION

# MAIN PASS

| | |
|---|---|
| Database File: | fplpw-1.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | DIL |
| Dataset Creation: | Wed Jun 27 06:17:14 2007 by Log 6.2_B4 |
| Charted by: | Depth in Feet scaled 1:240 |





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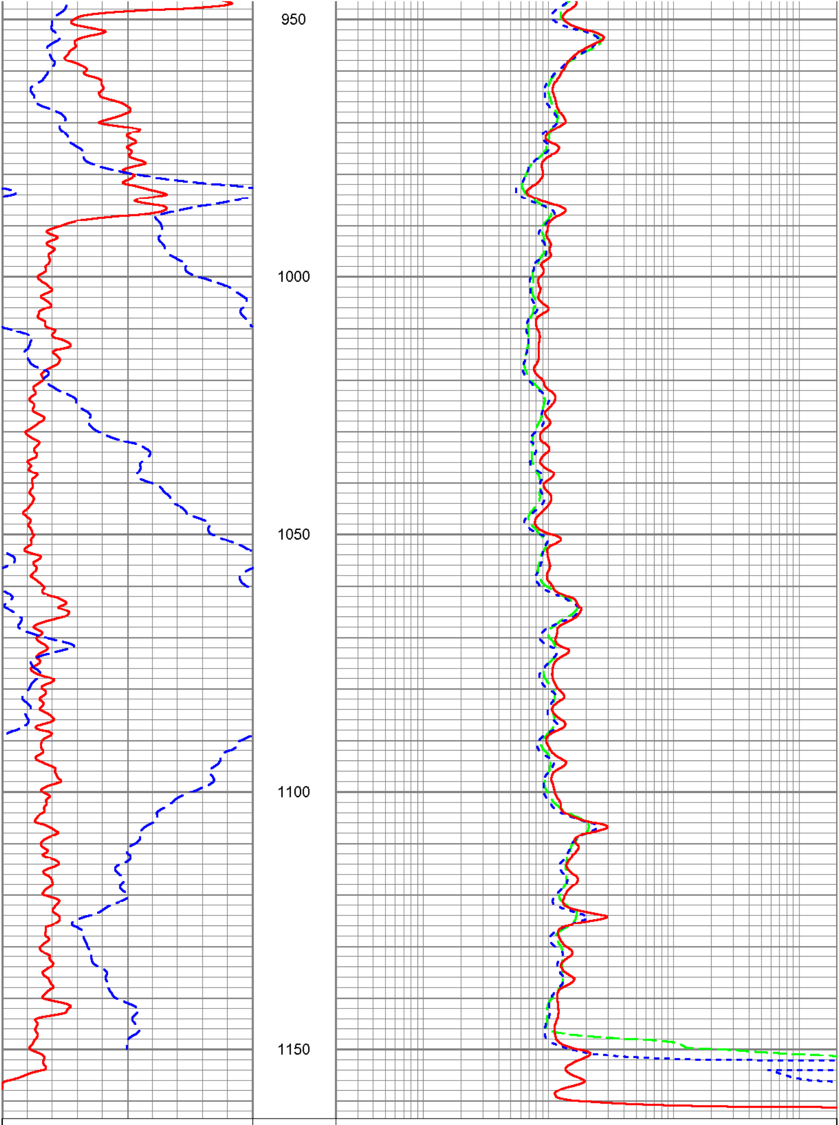
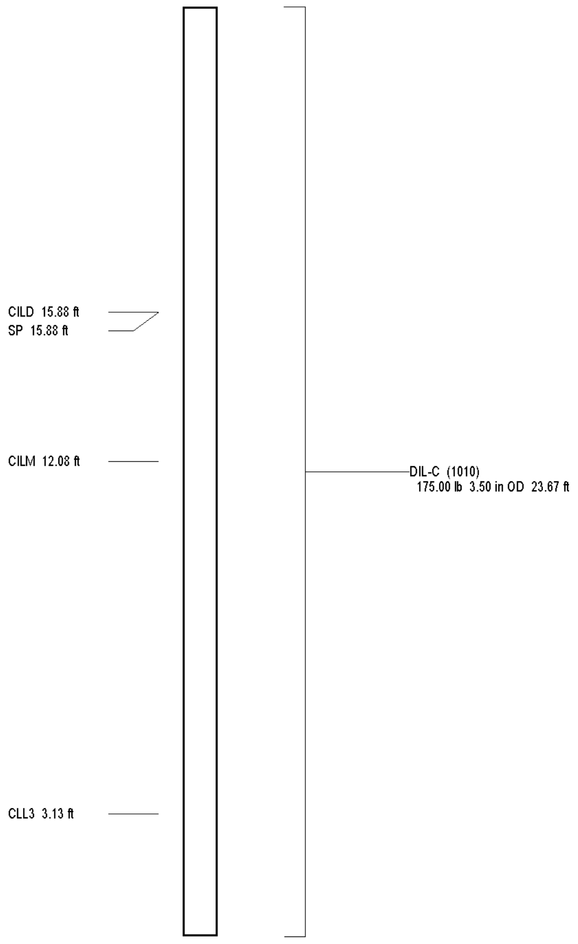
# REPEAT PASS

| | |
|---|---|
| Database File: | fplpw-1.db |
| Dataset Pathname: | pass1 |
| Presentation Format: | DIL |
| Dataset Creation: | Wed Jun 27 06:08:04 2007 by Log 6.2_B4 |
| Charted by: | Depth in Feet scaled 1:240 |

0 Gamma Ray (GAPI) 100
-100 Spontaneous Potential (mV) 100
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000



0 Gamma Ray (GAPI) 100
-100 Spontaneous Potential (mV) 100
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000



| | |
|---|---|
| Dataset: | run1/pass2 |
| Total Length: | 23.67 ft |
| Total Weight: | 175.00 lb |
| O.D. | 3.50 in |

## Dual Induction Calibration Report

| | |
|---|---|
| Serial-Model: | 1010-C |
| Surface Cal Performed: | Tue Feb 27 11:13:18 2007 |
| Downhole Cal Performed: | Tue Jun 26 23:05:32 2007 |
| After Survey Verification Performed: | Wed Jun 27 06:36:46 2007 |

### Surface Calibration

| | Readings | | | References | | | Results | |
|---|---|---|---|---|---|---|---|---|
| Loop: | Air | Loop | | Air | Loop | | m | b |
| Deep | -0.005 | 0.647 | V | 0.000 | 400.000 | mmho-m | 613.288 | 3.301 |
| Medium | 0.010 | 0.714 | V | 0.000 | 464.000 | mmho-m | 658.369 | -6.281 |
| Internal: | Zero | Cal | | Zero | Cal | | m | b |
| Deep | 0.009 | 0.641 | V | 8.610 | 397.880 | mmho-m | 615.374 | 3.164 |
| Medium | 0.007 | 0.710 | V | -1.120 | 462.890 | mmho-m | 659.667 | -5.714 |

### Downhole Calibration

| | Readings | | | References | | | Results | |
|---|---|---|---|---|---|---|---|---|
| Internal: | Zero | Cal | | Zero | Cal | | m | b |
| Deep | 9.066 | 402.171 | mmho-m | 8.729 | 396.680 | mmho-m | 0.987 | -0.218 |
| Medium | -1.692 | 469.924 | mmho-m | -1.696 | 461.400 | mmho-m | 0.982 | -0.035 |
| Shallow | 0.033 | 0.388 | | 3.000 | 88.900 | mmho-m | 241.371 | -4.865 |

### After Survey Verification

| | Readings | | | Targets | | | Results | |
|---|---|---|---|---|---|---|---|---|
| Internal: | Zero | Cal | | Zero | Cal | | m' | b' |
| Deep | 8.418 | 403.275 | mmho-m | 9.066 | 402.171 | mmho-m | 0.987 | -0.218 |
| Medium | -1.792 | 467.854 | mmho-m | -1.692 | 469.924 | mmho-m | 0.982 | -0.035 |
| Shallow | 3.816 | 93.057 | mmho-m | 3.000 | 88.900 | mmho-m | 0.963 | -0.673 |