J-W WIRELINE COMPANY

# GAMMA RAY CCL
# CEMENT BOND VDL

| | |
|---|---|
| Company | GREAT WESTERN OIL & GAS LLC. |
| Well | CACHE 8-33 |
| Field | WATTENBERG |
| County | WELD |
| State | CO |

Company GREAT WESTERN OIL & GAS LLC.
Well CACHE 8-33
Field WATTENBERG
County WELD State CO

Location: API #: 05-123-25665-00
1616' FSL & 2335' FEL
NW/SE
SEC 8 TWP 6N RGE 63W

Other Services

Permanent Datum GL Elevation 4700
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4712
D.F. 4711
G.L. 4700

| | | |
|---|---|---|
| Date | APRIL-3-2008 | |
| Run Number | ONE | TWO |
| Depth Driller | 6980 | |
| Depth Logger | 6908 | |
| Bottom Logged Interval | 6905 | 5000 |
| Top Log Interval | 5000 | 3050 |
| Open Hole Size | ---------- | |
| Type Fluid | WATER | |
| Density / Viscosity | ---------- | |
| Max. Recorded Temp. | 216 F | |
| Estimated Cement Top | 3270 | |
| Time Well Ready | ---------- | |
| Time Logger on Bottom | ---------- | |
| Equipment Number | 581 | |
| Location | STERLING CO | |
| Recorded By | MIKE MEISNER | |
| Witnessed By | JAY PAPE | |

| Borehole Record | | | Tubing Record | | | |
|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |

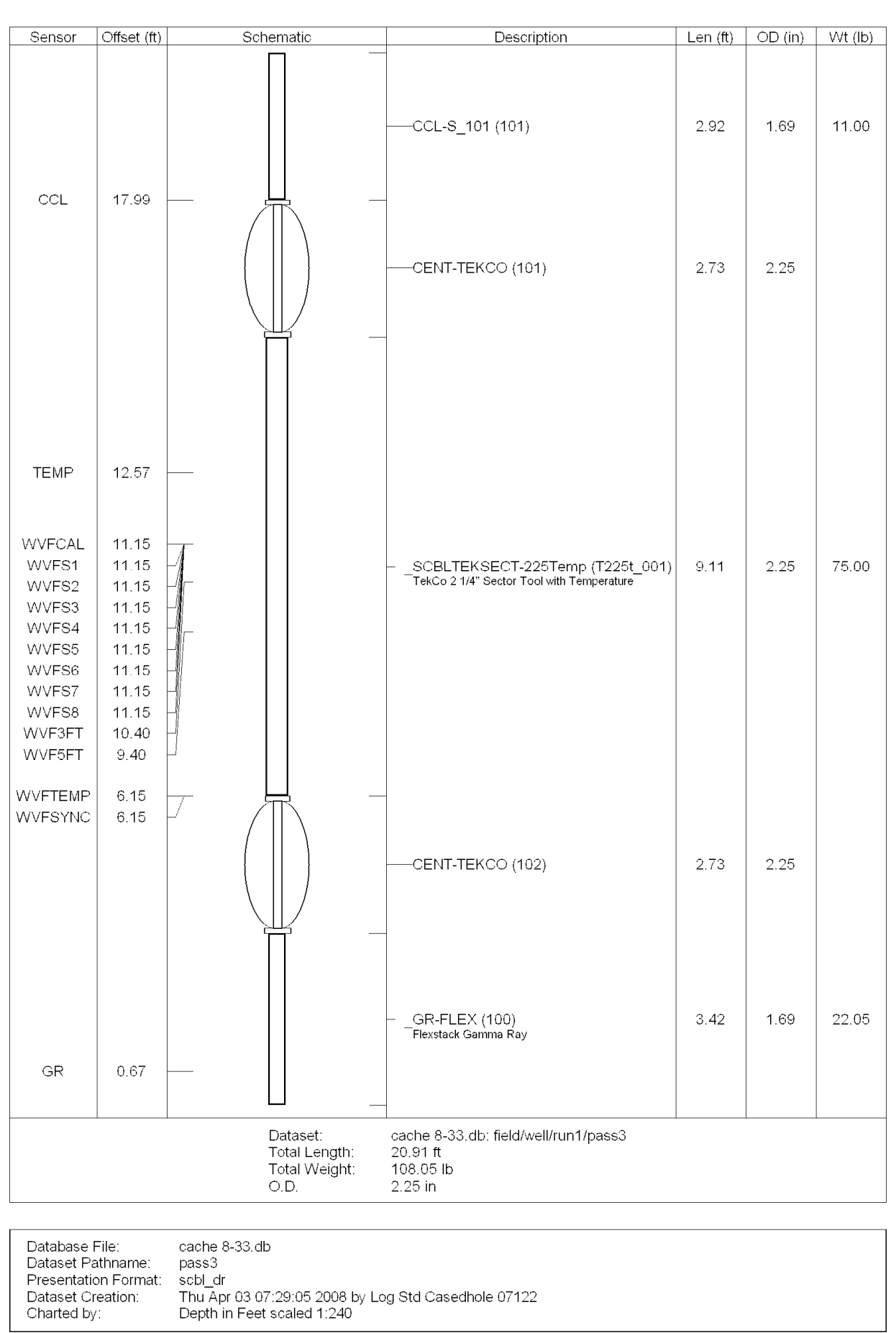
| Casing Record | Size | Wgt/Ft | Top | Bottom |
|---|---|---|---|---|
| Surface String | | | | |
| Prot. String | | | | |
| Production String | 4.5 | | | |
| Liner | | | | |

<<< 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

CORRECTED DOWN 13' TO OPENHOLE LOG DATED 3-30-2008



| Sensor | Offset (ft) | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|
| | | CCL-S_101 (101) | 2.92 | 1.69 | 11.00 |
| CCL | 17.99 | | | | |
| | | CENT-TEKCO (101) | 2.73 | 2.25 | |
| TEMP | 12.57 | | | | |
| WVFCAL | 11.15 | | | | |
| WVFS1 | 11.15 | _SCBLTEKSECT-225Temp (T225t_001)<br>TekCo 2 1/4" Sector Tool with Temperature | 9.11 | 2.25 | 75.00 |
| WVFS2 | 11.15 | | | | |
| WVFS3 | 11.15 | | | | |
| WVFS4 | 11.15 | | | | |
| WVFS5 | 11.15 | | | | |
| WVFS6 | 11.15 | | | | |
| WVFS7 | 11.15 | | | | |
| WVFS8 | 11.15 | | | | |
| WVF3FT | 10.40 | | | | |
| WVF5FT | 9.40 | | | | |
| WVFTEMP | 6.15 | | | | |
| WVFSYNC | 6.15 | | | | |
| | | CENT-TEKCO (102) | 2.73 | 2.25 | |
| | | _GR-FLEX (100)<br>Flexstack Gamma Ray | 3.42 | 1.69 | 22.05 |
| GR | 0.67 | | | | |

Dataset: cache 8-33.db: field/well/run1/pass3
Total Length: 20.91 ft
Total Weight: 108.05 lb
O.D. 2.25 in

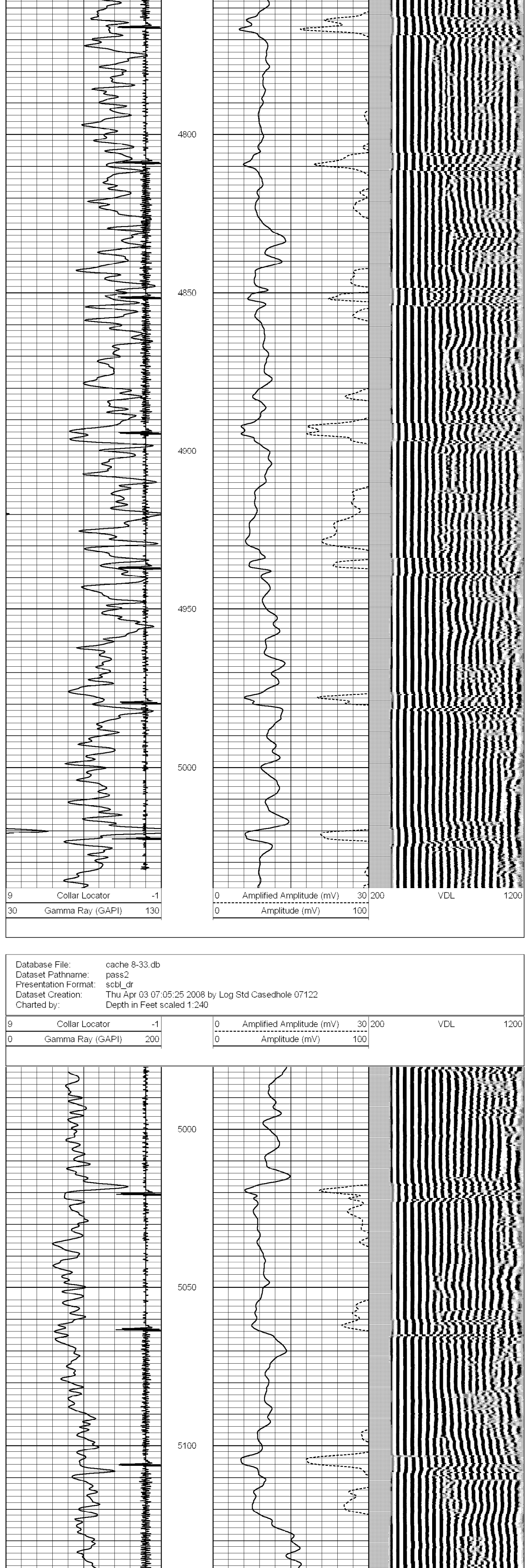
| | |
|---|---|
| Database File: | cache 8-33.db |
| Dataset Pathname: | pass3 |
| Presentation Format: | scbl_dr |
| Dataset Creation: | Thu Apr 03 07:29:05 2008 by Log Std Casedhole 07122 |
| Charted by: | Depth in Feet scaled 1:240 |

9 Collar Locator -1
30 Gamma Ray (GAPI) 130
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200

9 Collar Locator -1
30 Gamma Ray (GAPI) 130
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200

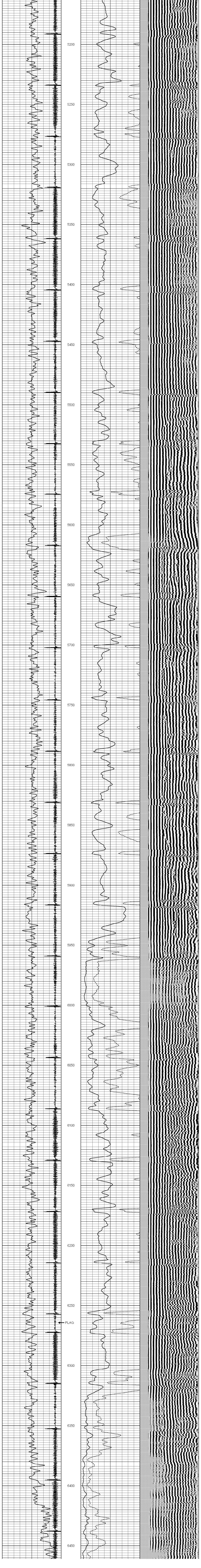
| | |
|---|---|
| Database File: | cache 8-33.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | scbl_dr |
| Dataset Creation: | Thu Apr 03 07:05:25 2008 by Log Std Casedhole 07122 |
| Charted by: | Depth in Feet scaled 1:240 |

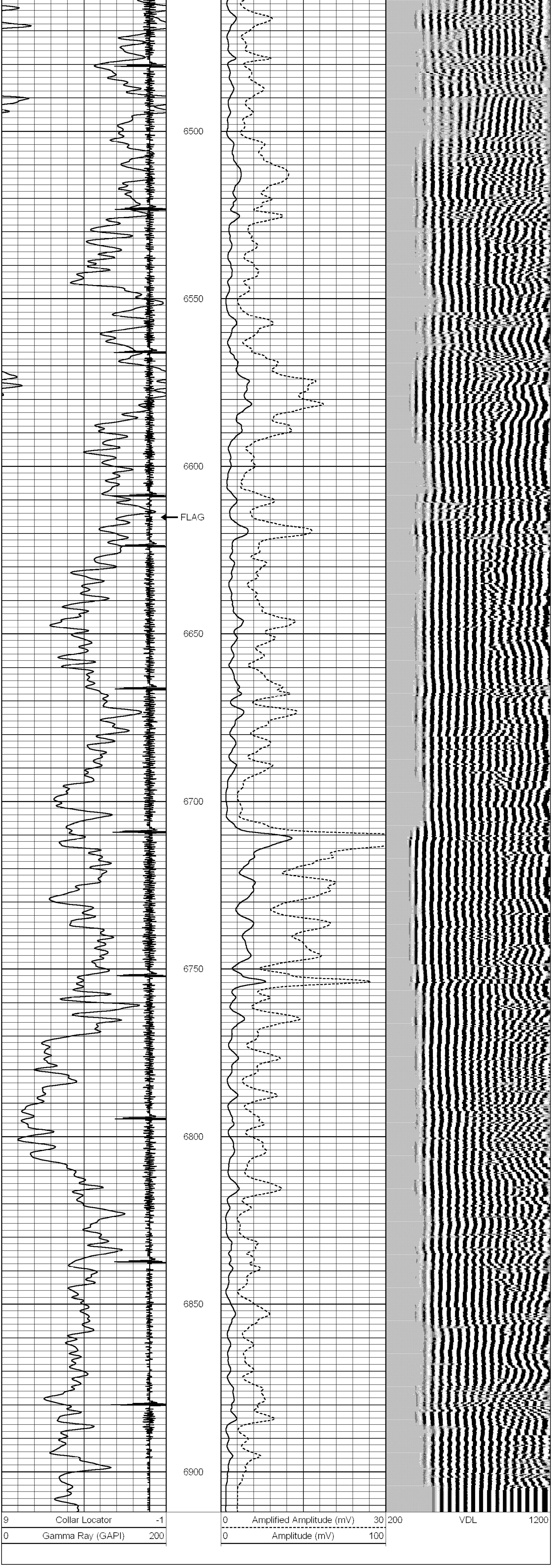
9 Collar Locator -1
0 Gamma Ray (GAPI) 200
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200



| | |
|---|---|
| Database File: | cache 8-33.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | scbl_dr |
| Dataset Creation: | Thu Apr 03 07:05:25 2008 by Log Std Casedhole 07122 |
| Charted by: | Depth in Feet scaled 1:240 |

9 Collar Locator -1
0 Gamma Ray (GAPI) 200
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200




6500
6550
6600
FLAG
6650
6700
6750
6800
6850
6900
9 Collar Locator -1
0 Gamma Ray (GAPI) 200
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 VDL 1200