# BRAN-DEX

**WIRELINE SERVICES**

# GAMMA RAY C.C.L.
# CEMENT BOND V.D.L.
# SECTOR MAP

Company ENCANA OIL & GAS (USA) INC.
Well STATE PETERSON21 -20
Field WATTENBERG
County WELD
State CO

| | |
|---|---|
| Company | ENCANA OIL & GAS (USA) INC. |
| Well | STATE PETERSON21 -20 |
| Field | WATTENBERG |
| County | WELD State CO |

Location: API # :

660' FNL & 1980' FWL
NE NW
SEC 20 TWP 5N RGE 63W

Other Services

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4588' |
| Log Measured From | KB | | |
| Drilling Measured From | KB | | |

Elevation
K.B. 4604
D.F. 4603
G.L. 4588

| | | | |
|---|---|---|---|
| Date | MAY 9 2006 | MAY 9 2006 | |
| Run Number | ONE | TWO | |
| Depth Driller | 7239 | 7239 | |
| Depth Logger | 7201 | 7201 | |
| Bottom Logged Interval | 7196 | 4120 | |
| Top Log Interval | 5593 | 2851 | |
| Open Hole Size | | | |
| Type Fluid | WATER | WATER | |
| Density / Viscosity | | | |
| Max. Recorded Temp. | 246 | | |
| Estimated Cement Top | | | |
| Time Well Ready | | | |
| Time Logger on Bottom | | | |
| Equipment Number | 454 | 454 | |
| Location | STERLING | STERLING | |
| Recorded By | DIZMANG | DIZMANG | |
| Witnessed By | BRAD BOEHM | BRAD BOEHM | |

| 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 1/2" | | | |
| Liner | | | | |
| | | | | |

<<< Fold Here >>>

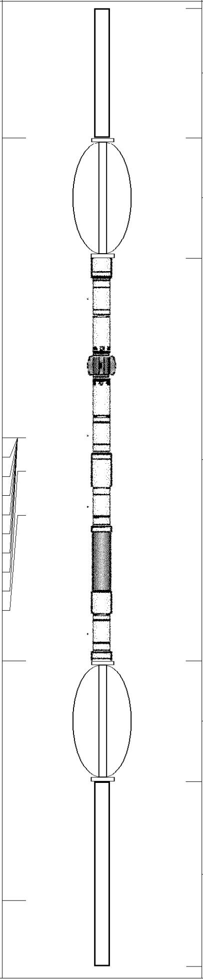
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 UPHOLE 1FT TO CORRELATE TO
PSI OPEN HOLE DATED MAY 4 2006
PERFORATE 7058-7070, 7090- 7108, 7120- 7142
19GM .42" EH 36.70" PEN 120DEG PHASE 2SPF
LOGGED UNDER 1000PSI PRESSURE

| Sensor | Offset (ft) |
|---|---|
| CCL | 18.71 |
| WVFS1 | 11.94 |
| WVFS2 | 11.94 |
| WVFS3 | 11.94 |
| WVFS4 | 11.94 |
| WVFS5 | 11.94 |
| WVFS6 | 11.94 |
| WVFS7 | 11.94 |
| WVFS8 | 11.94 |
| WVF3FT | 11.19 |
| WVF5FT | 10.19 |
| WVFCAL | 6.90 |
| GR | 1.50 |

Schematic

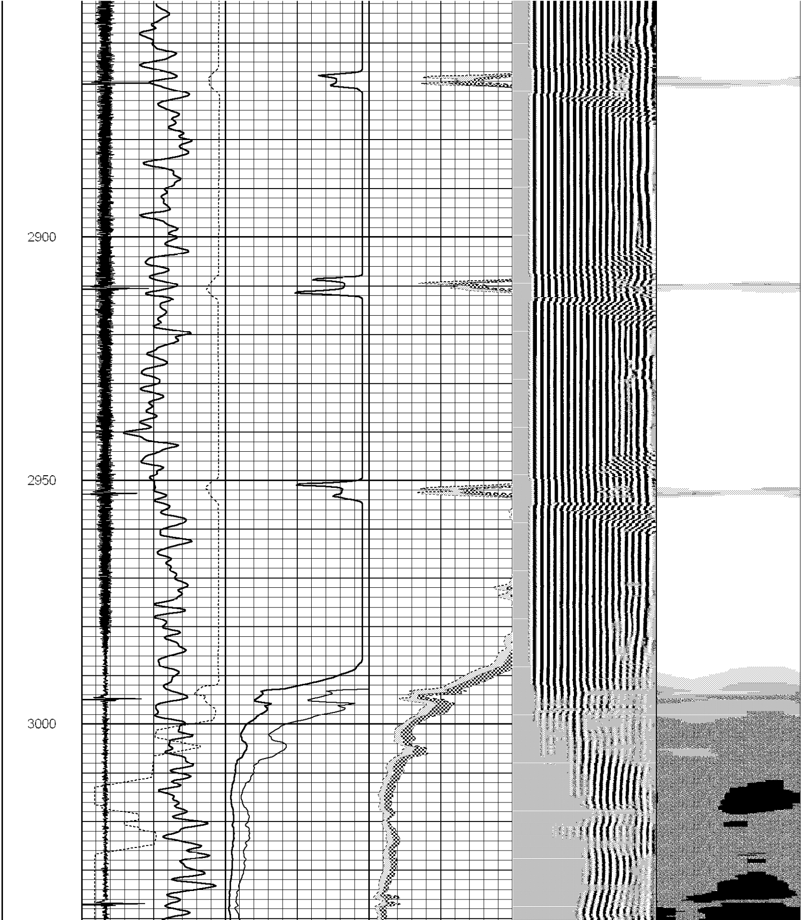


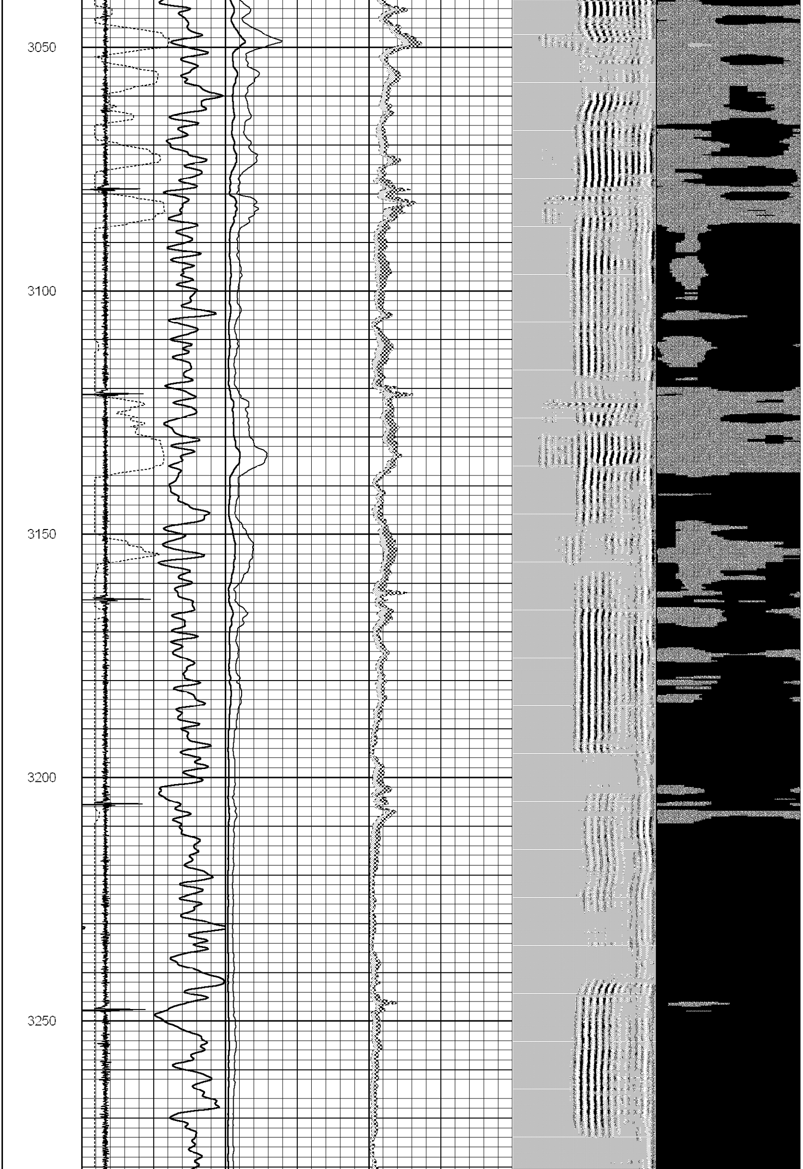
| Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|
| CCL-S_101 (101) | 2.92 | 1.69 | 11.00 |
| CENT-TEKCO (101) | 2.73 | 2.75 | 10.00 |
| SCBL-TEKCO-CT (101) TEKCO 2.75<br>RIB - CT | 9.08 | 2.75 | 108.00 |
| CENT-TEKCO (102) | 2.73 | 2.75 | 10.00 |
| GR-S_101 (101) | 4.17 | 1.69 | 25.00 |

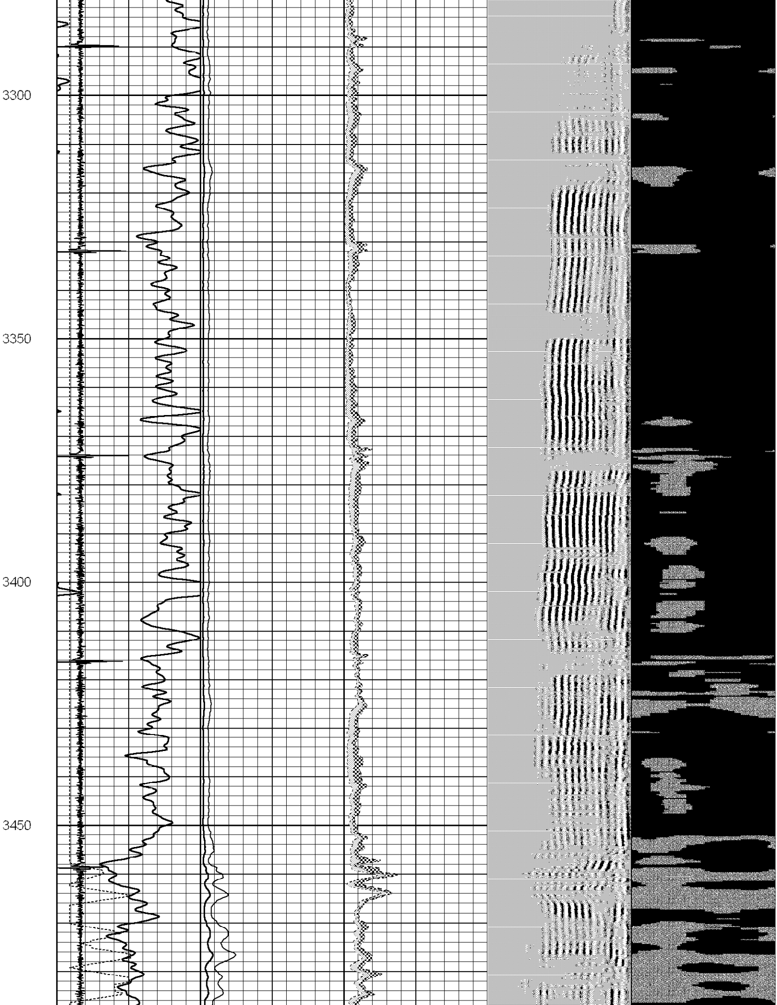
| | |
|---|---|
| Dataset: | /field/well/run/_plots_/_jobs_/job1BW |
| Total Length: | 21.63 ft |
| Total Weight: | 164.00 lb |
| O.D. | 2.75 in |

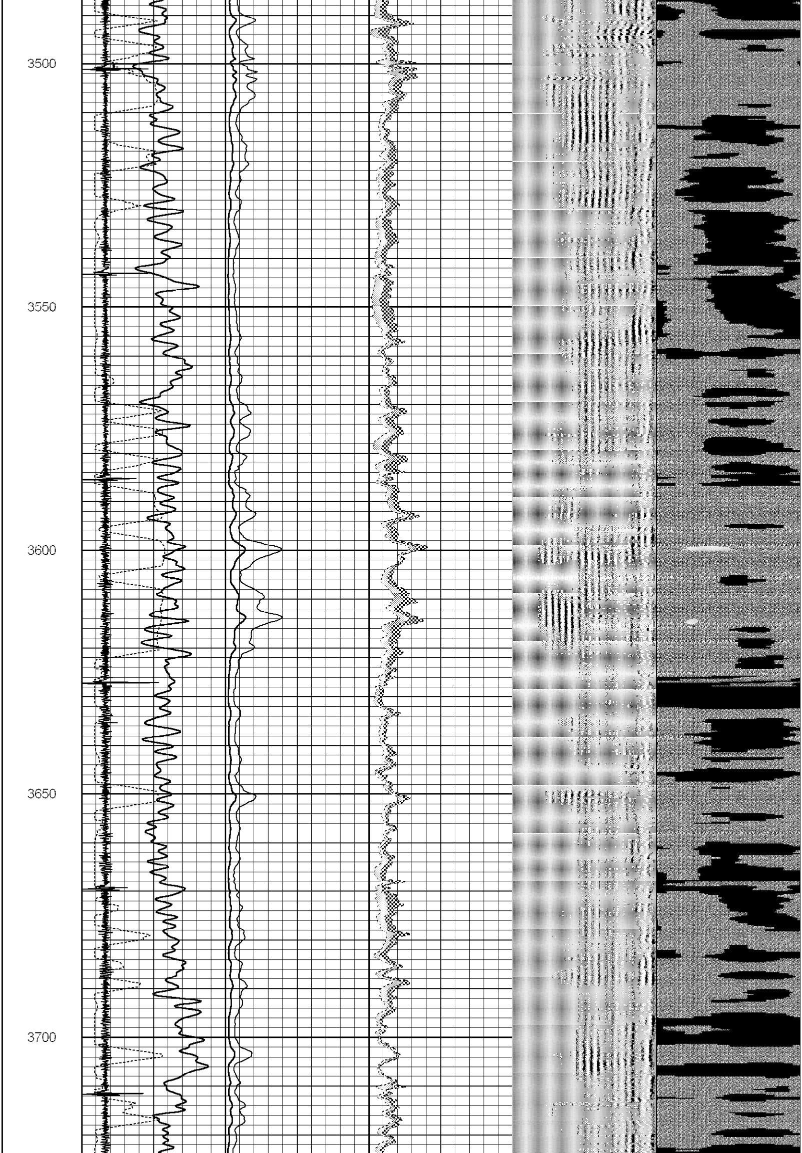
| | |
|---|---|
| Database File: | statepeterson21-20cbl.db |
| Dataset Pathname: | pass4 |
| Presentation Format: | scbl |
| Dataset Creation: | Thu Jan 02 00:39:16 2003 by Log Warrior 7.0 STD Cas |
| Charted by: | Depth in Feet scaled 1:240 |

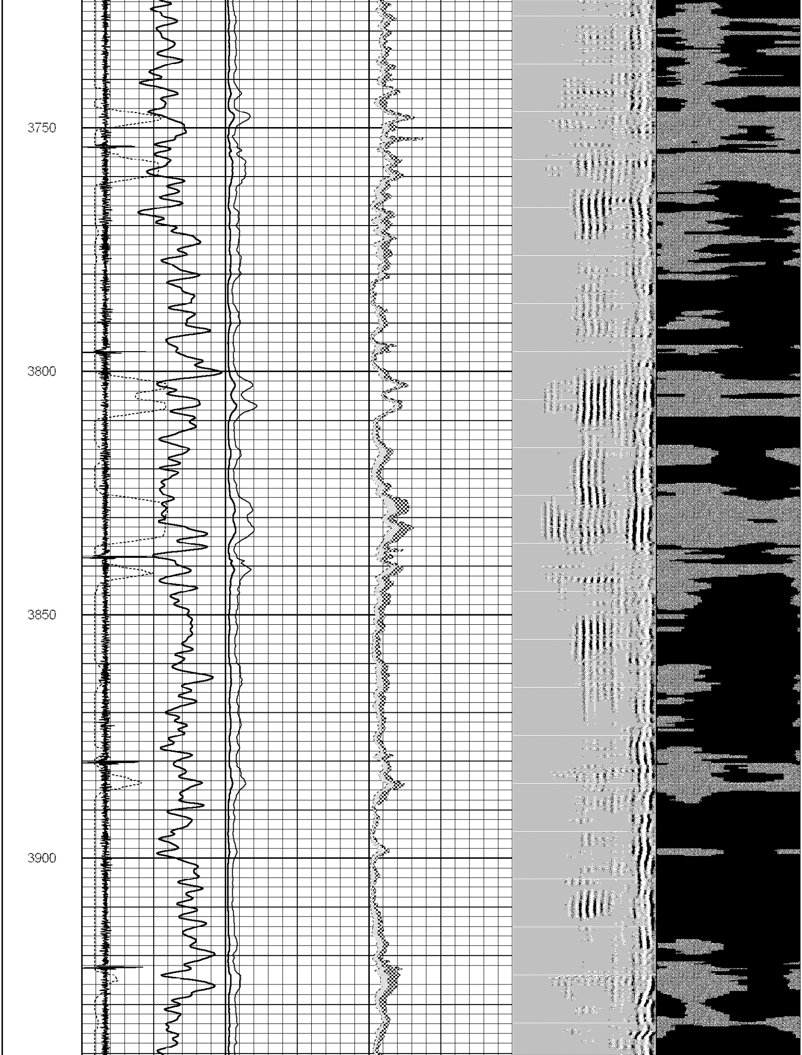
| | | | | | |
|---|---|---|---|---|---|
| | 330 TT (usec) 220 | 0 AMP (mV) 85 | 0 AMPAVG 100 | 200 VDL 1200 | 1 SECTORS 8 |
| | -1 CCL 5 | 0 AMPx5 (mV) 30 | 0 AMPMAX 100 | | 10 85 |
| | 30 GR (GAPI) 130 | | 0 AMPMIN 100 | | |

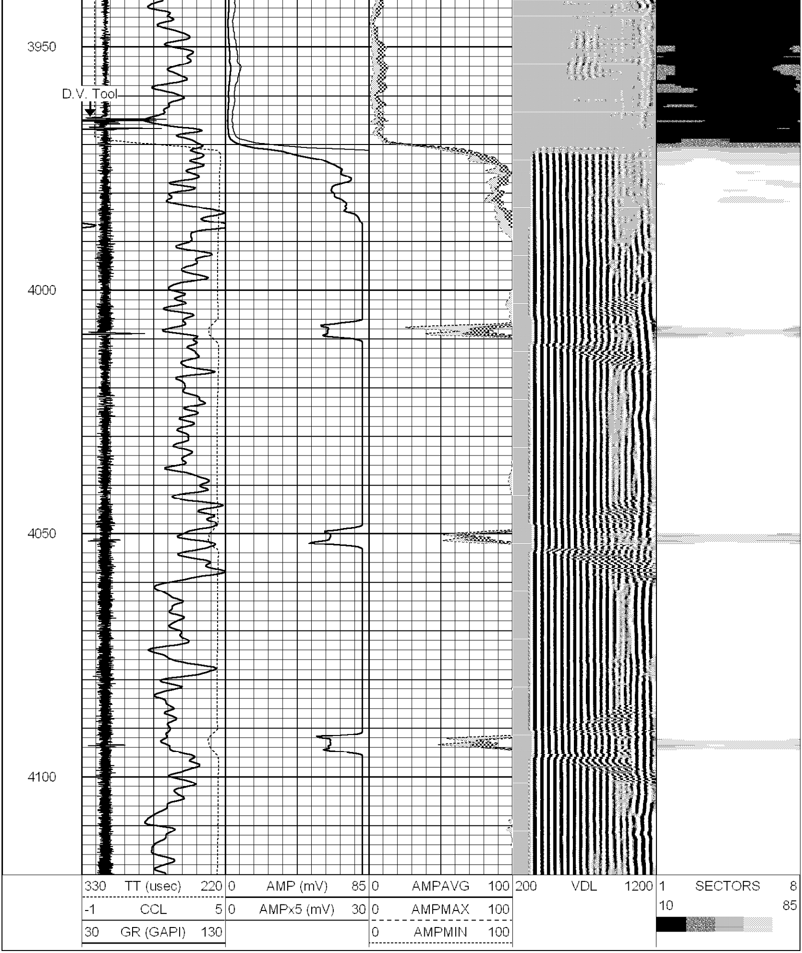


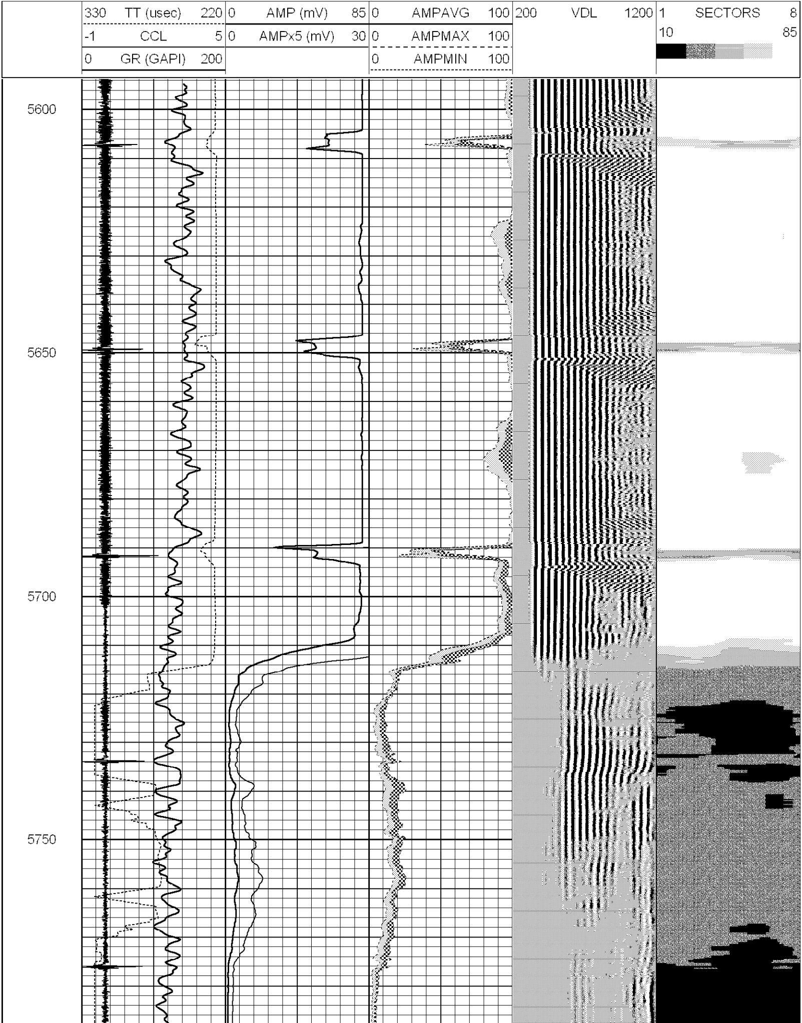
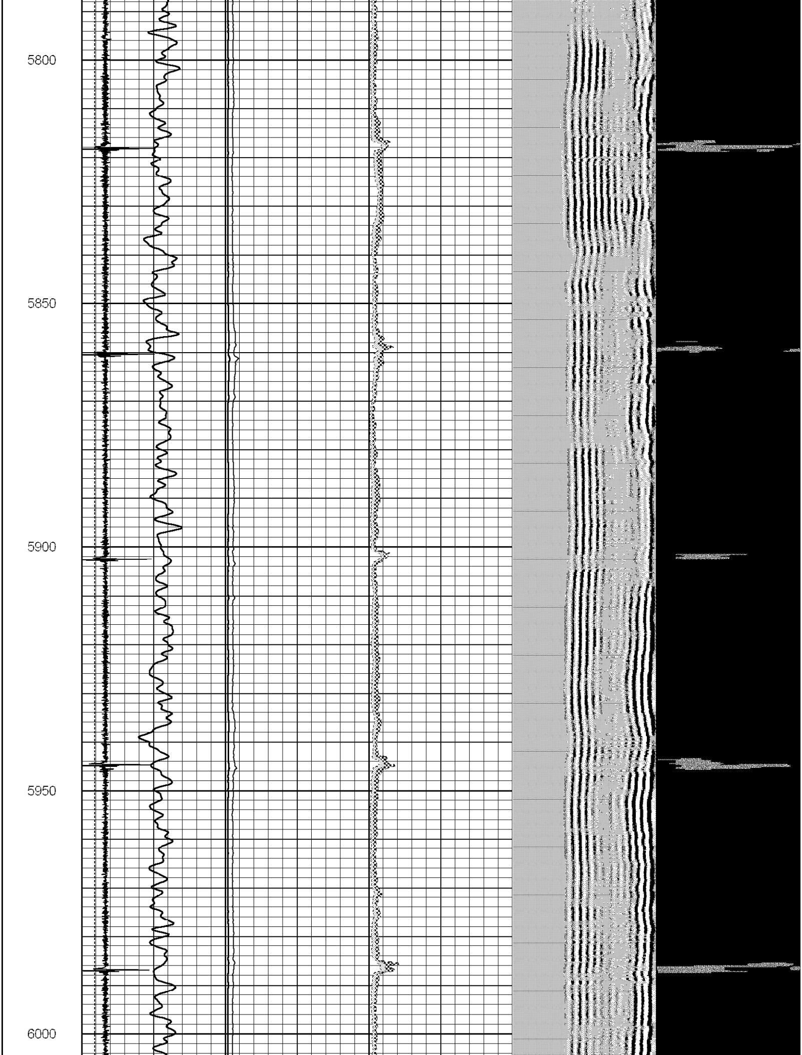
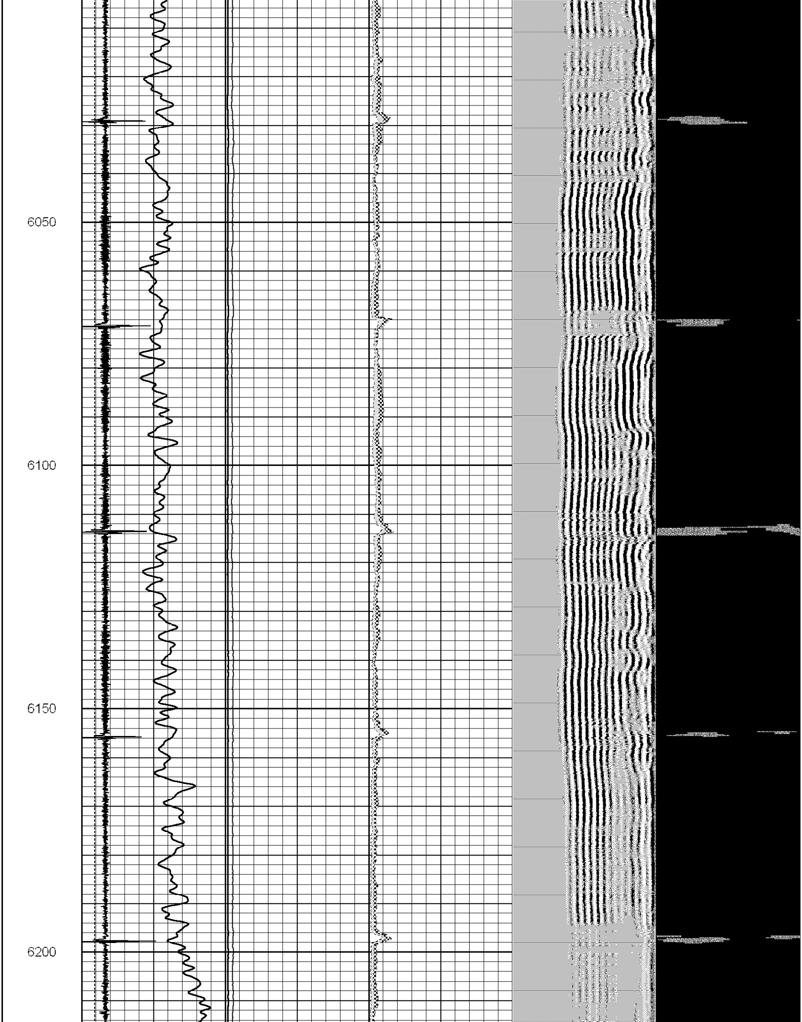
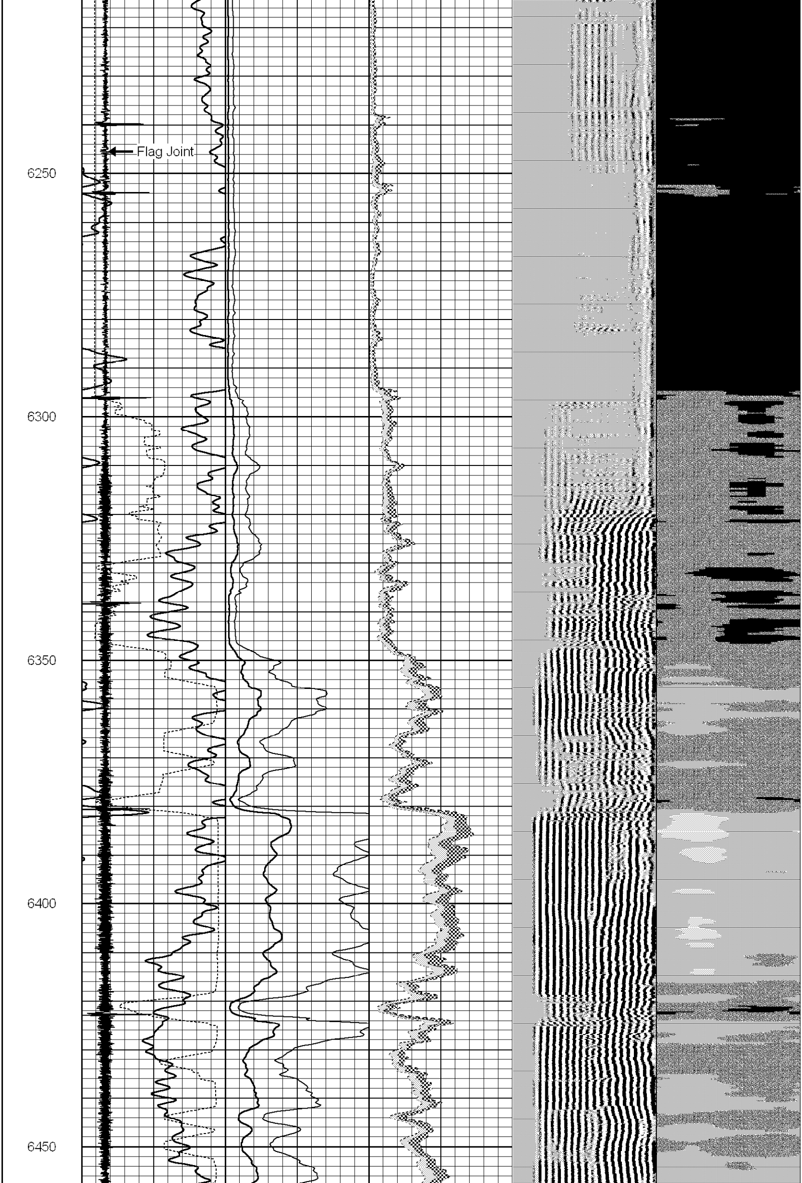
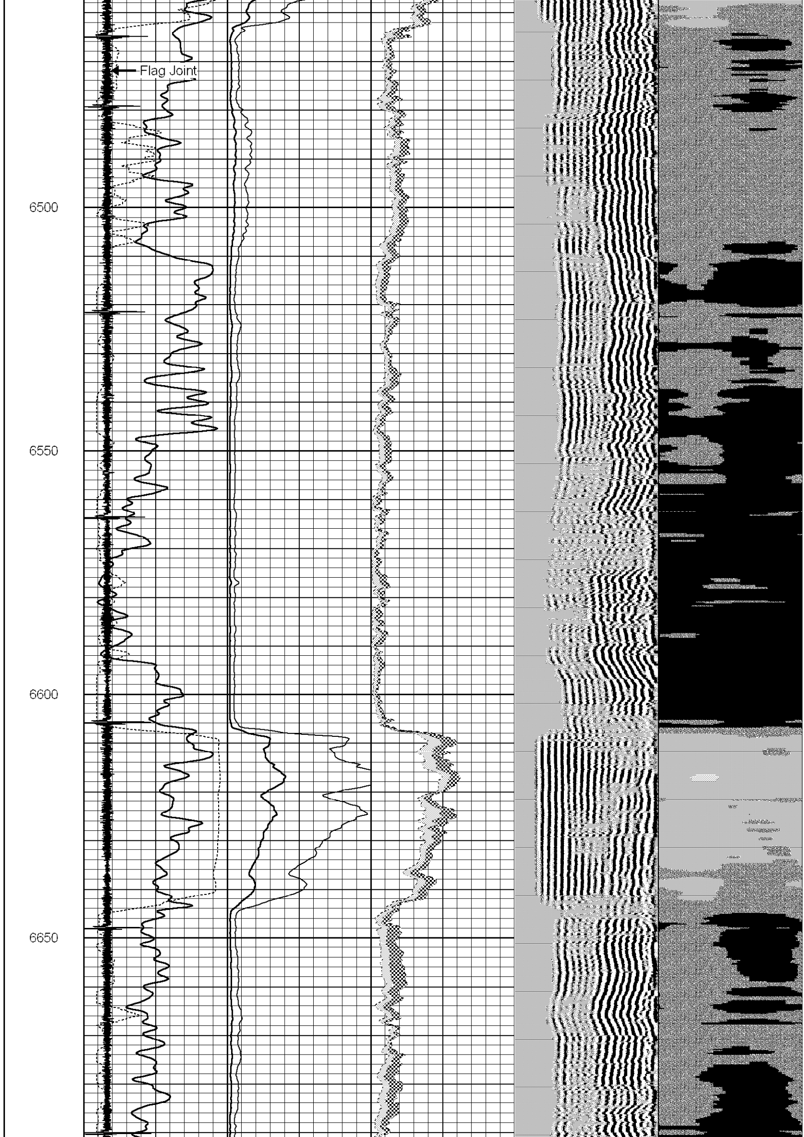
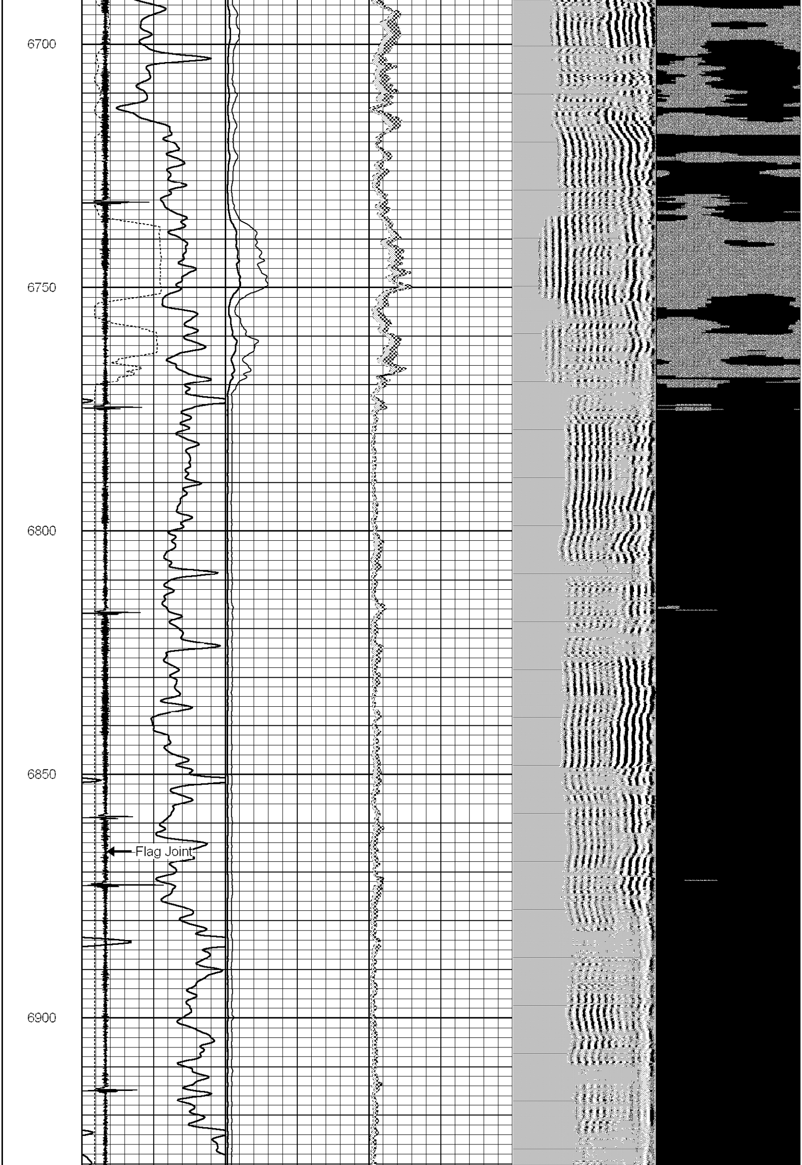
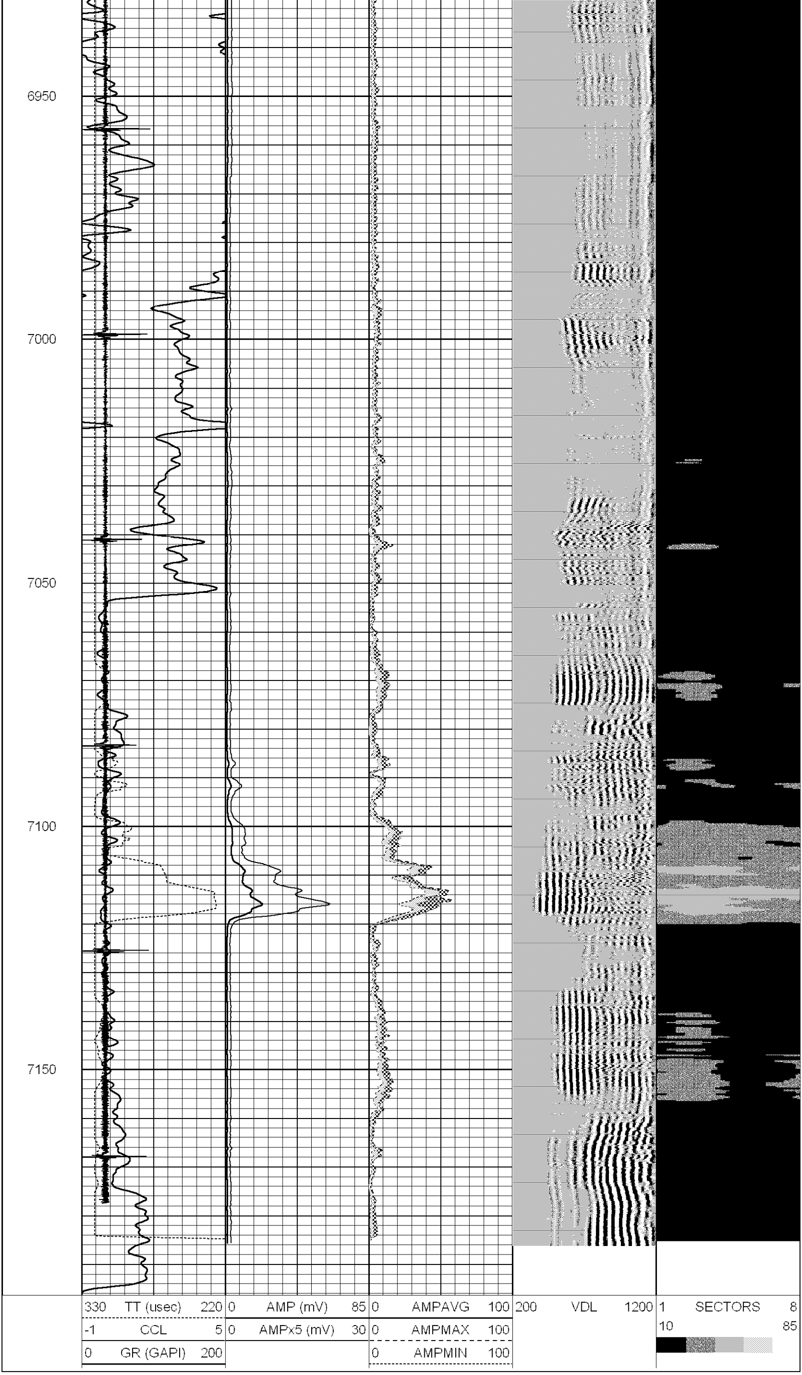










Database File: statepeterson21-20cbl.db
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