**J-W WIRELINE COMPANY**

# CEMENT BOND GAMMA RAY VDL COLLAR CORRELATION LOG

| | |
|---|---|
| Company | KERR-McGEE OIL AND GAS ONSHORE LP |
| Well | ST. VRAIN LAND CO. UT #1 |
| Field | WATTENBERG |
| County | WELD |
| State | COLORADO |

Location: API #: 05-123-07920-0000
SW/NE
LAT: 40.21510 LONG: -104. 96680
SEC 23 TWP 3N RGE 68W

Other Services
NONE

| | | | |
|---|---|---|---|
| Permanent Datum | GL | Elevation | 4947 |
| Log Measured From | GL | | |
| Drilling Measured From | KB | | |

Elevation
K.B. 4957
D.F. 4956
G.L. 4947

Company KERR-McGEE OIL AND GAS ONSHORE LP
Well ST. VRAIN LAND CO. UT #1
Field WATTENBERG
County WELD
State COLORADO

| | |
|---|---|
| Date | SEPT. 23, 2013 |
| Run Number | ONE |
| Depth Driller | 7898 |
| Depth Logger | 6957 |
| Bottom Logged Interval | 6954 |
| Top Log Interval | 5800 |
| Open Hole Size | 8 7/8" |
| Type Fluid | WATER |
| Density / Viscosity | -- |
| Max. Recorded Temp. | NOT RECORDED |
| Estimated Cement Top | |
| Time Well Ready | -- |
| Time Logger on Bottom | -- |
| Equipment Number | 2400 |
| Location | STERLING CO. |
| Recorded By | PHIL LOPEZ |
| Witnessed By | RODRIGO VIERA |

| 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 | 4.50 | | | |
| Liner | | | | |

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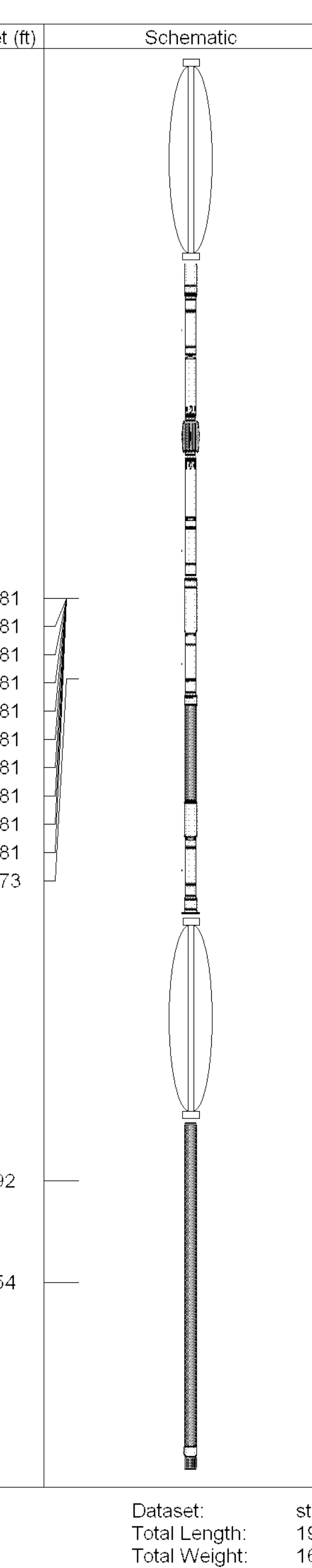
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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

THANK YOU FOR CHOOSING J-W WIRELINE

TOOL ZEROED AT GROUND LEVEL



| Sensor | Offset (ft) |
|---|---|
| WVF3FT | 11.81 |
| WVFCAL | 11.81 |
| WVFS1 | 11.81 |
| WVFS2 | 11.81 |
| WVFS3 | 11.81 |
| WVFS4 | 11.81 |
| WVFS5 | 11.81 |
| WVFS6 | 11.81 |
| WVFS7 | 11.81 |
| WVFS8 | 11.81 |
| WVF5FT | 10.73 |
| CCL | 3.92 |
| GR | 2.54 |

| Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|
| CENT-TEKCO (101) | 2.73 | 2.75 | 10.00 |
| RBT-Probe (4.5040904)<br>Probe Radii Bond Tool with Digital Telemetry | 8.92 | 2.75 | 90.00 |
| CENT-TEKCO (101) | 2.73 | 2.75 | 10.00 |
| GR-Probe275dig (pr051112)<br>Probe Digital Gamma CCL | 4.75 | 2.75 | 57.00 |

| | |
|---|---|
| Dataset: | st vrain land co ut #1.db: field/well/run1/pass10 |
| Total Length: | 19.13 ft |
| Total Weight: | 167.00 lb |
| O.D. | 2.75 in |

| | |
|---|---|
| Database File: | st vrain land co ut #1.db |
| Dataset Pathname: | pass10 |
| Presentation Format: | scbl_sr |
| Dataset Creation: | Mon Sep 23 08:31:06 2013 by Log SCH 111116 |
| Charted by: | Depth in Feet scaled 1:240 |