ROCKY MOUNTAIN WIRELINE SERVICE

# TEMPERATURE LOG

| | |
|---|---|
| Company | URSA OPERATING COMPANY |
| Well | VALLEY FARMS L 44 D-11-06-92 |
| Field | GRAVEL TREND |
| County | GARFIELD |
| State | COLORADO |
| Location: | API #: 05 - 045 - 22361 - 00<br>SHL: 1246' FSL & 1112' FEL<br>BHL: 0190' FSL & 660' FEL |
| | SEC 11 TWP 6S RGE 92W |
| Other Services | |

| | | | | |
|---|---|---|---|---|
| Permanent Datum | G.L. | Elevation | 5577' | Elevation<br>K.B. 5592'<br>D.F. 5591'<br>G.L. 5577' |
| Log Measured From | K.B. | Ft Above PD | 15.0' | |
| Drilling Measured From | K.B. | | | |

| | |
|---|---|
| Date | 12-15-2014 |
| Run Number | ONE |
| Depth Driller | 7450' |
| Present Depth Driller | NA |
| Depth Logger | 7388' |
| Bottom Logged Interval | 7388' |
| Top Log Interval | SURFACE |
| Fluid Level | SURFACE |
| Type Fluid | WATER |
| Max. Recorded Temp. | 199.2 Deg. F |
| Estimated Cement Top | 1880' |
| Equipment Number | 219 |
| Location | GRAND JCT. |
| Recorded By | MCBROOM |
| Witnessed By | MR. GILL |

| Borehole Record | | | Casing Record | | | |
|---|---|---|---|---|---|---|
| Run Number | Bit | From | To | Size | Weight | From | To |
| | | | | 8.625" | 32# | SURFACE | 1013' |
| | | | | 4.5" | 13.5 # | SURFACE | 7430.6' |

<<< 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.

WARRIOR 7.0 SOFTWARE - Comments

**NOTE:THERE WAS NO LOG TO CORRELATE WITH**

**MAX TEMP: 199.2 Deg. F**

**MAIN PASS 5" = 100'**

**CSG PSI = STATIC**

## Calibration Report

Database File: 12152014_ursa_vfl 44d.db
Dataset Pathname: pass3
Dataset Creation: Mon Dec 15 09:14:02 2014

## Temperature Calibration Report

Serial Number: 16-53
Tool Model: APPLIED
Performed: Tue Jan 31 09:43:33 2012

| | Reference | | Reading | |
|---|---|---|---|---|
| Low Reference: | 0.00 | degF | 0.00 | cps |
| High Reference: | 1.00 | degF | 1.00 | cps |

Gain: 0.10
Offset: 0.00
Delta Spacing 2

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# MAIN PASS

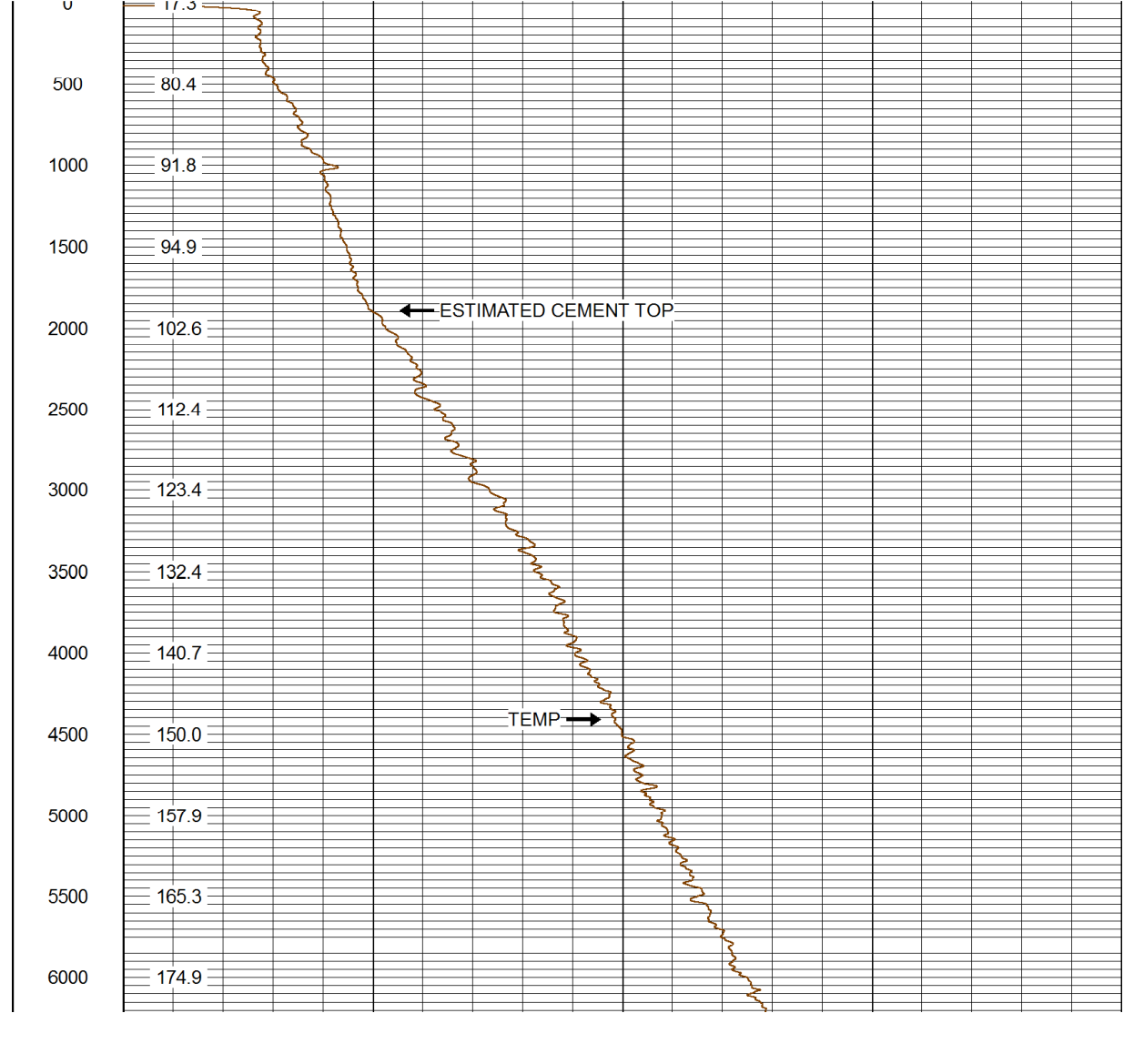
Database File: 12152014_ursa_vfl 44d.db
Dataset Pathname: pass3
Presentation Format: RMWS_T~1
Dataset Creation: Mon Dec 15 09:14:02 2014
Charted by: Depth in Feet scaled 1:240

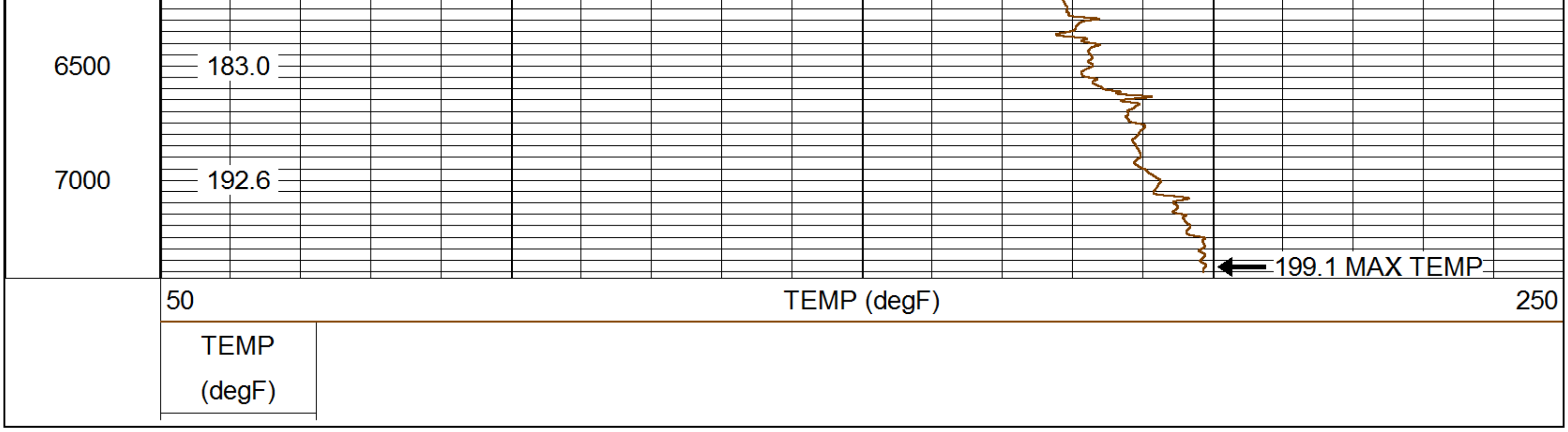
| -27 CCL 3 | LTEN<br>0 (lb) 1000 | 70 TEMP (degF) 90<br>-1 DTMP (degF) 1 |
|---|---|---|
| | TEMP2 (degF) | |

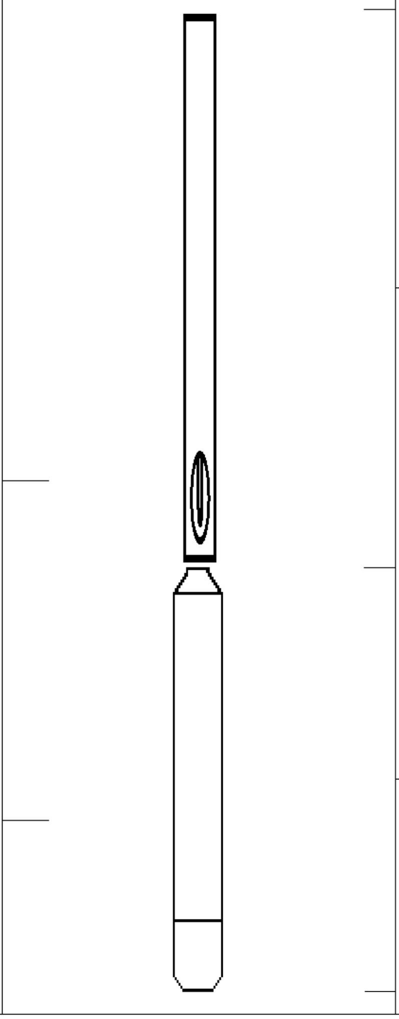
# MAIN PASS QUICK LOOK

ROCKY MOUNTAIN WIRELINE SERVICE

| | |
|---|---|
| Database File: | 12152014_ursa_vfl 44d.db |
| Dataset Pathname: | pass2 |
| Presentation Format: | rmtemp_q |
| Dataset Creation: | Mon Dec 15 09:02:51 2014 |
| Charted by: | Depth in Feet scaled 1:10000 |





| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
| TEMP | 2.44 |  | TEMP-APPLIED (16-53) | 2.67 | 1.38 | 11.00 |
| CCL | 0.81 | | CCL-APPLIED (Applied_2.75)<br>positive or negative voltage logging ccl | 2.02 | 2.75 | 34.00 |

Dataset: 12152014_ursa_vfl 44d.db: field/well/run1/pass3
Total Length: 4.69 ft
Total Weight: 45.00 lb
O.D. 2.75 in

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