

# Diamond Testing

## General information Report

### General Information

**Company Name** GRAND MESA OPERATING COMPANY

**Contact** RICHARD J. REILLY  
**Well Name** E&E #2-34  
**Unique Well ID** DST #3, JOHNSON, 4485-4525  
**Surface Location** SEC 34-13S-32W, LOGAN CO. KS.  
**Well License Number**  
**Field** WILDCAT  
**Well Type** Vertical

**Job Number** T212  
**Representative** TIM VENTERS  
**Well Operator** GRAND MESA OPERATING COMPANY  
**Report Date** 2013/05/24  
**Prepared By** TIM VENTERS

**Test Type** CONVENTIONAL  
**Formation** DST #3, JOHNSON, 4485-4525  
**Well Fluid Type** 01 Oil  
**Start Test Date** 2013/05/24  
**Final Test Date** 2013/05/24

**Start Test Time** 06:58:00  
**Final Test Time** 15:25:00

**Gauge Name** 8457  
**Gauge Serial Number**

### Test Results

**RECOVERED: 1' CO 100% OIL, GRAVITY: 25**  
**60' O&WCM, 22% OIL, 18% WATER, 60% MUD**  
**61' TOTAL FLUID**

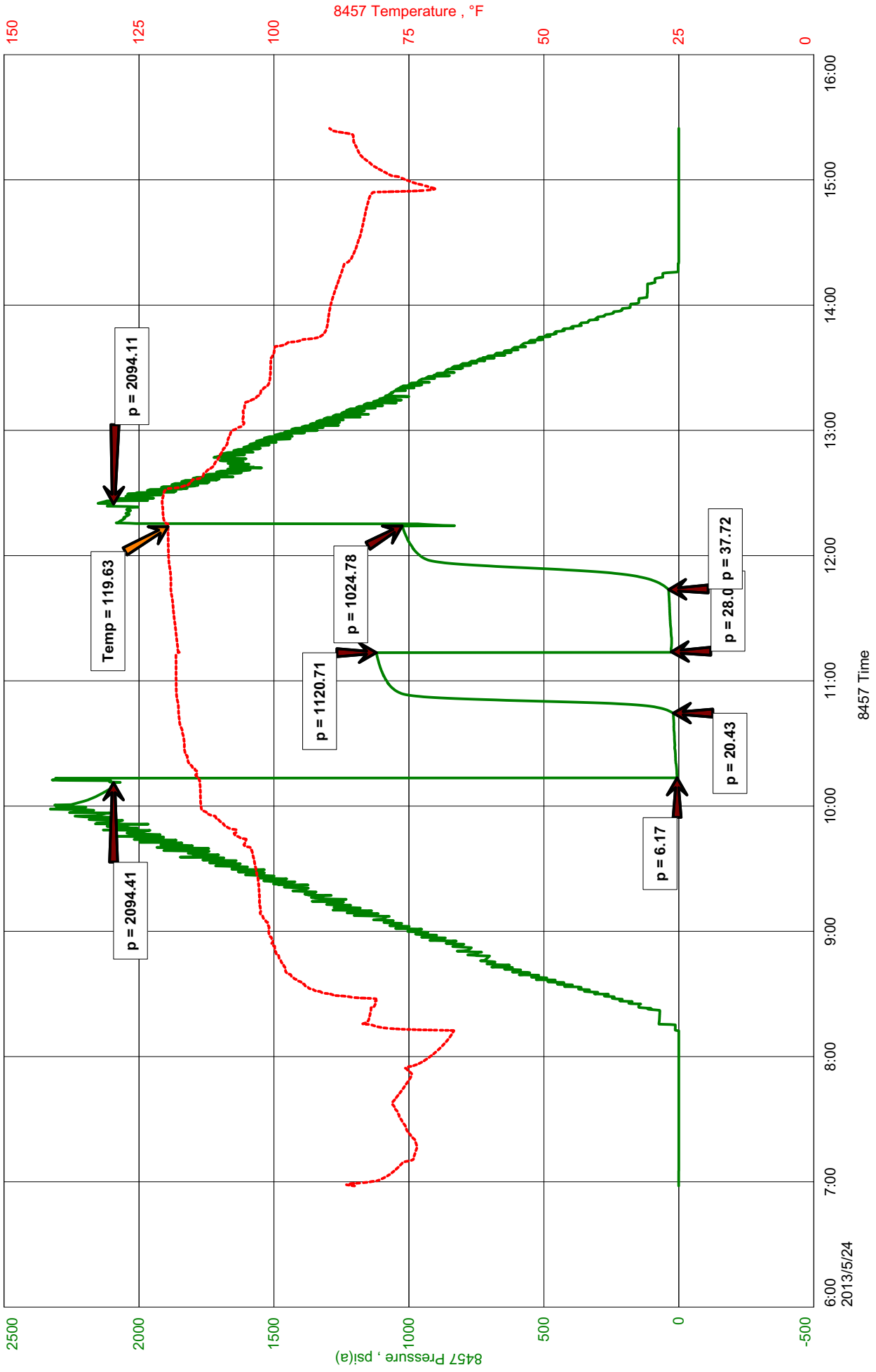
**TOOL SAMPLE: 44% OIL, 12% WATER, 44% MUD**

**CHLORIDES: 30,000 ppm**  
**PH: 7.0**  
**RW: .28 @ 82 deg.**

GRAND MESA OPERATING COMPANY  
DST #3, JOHNSON, 4485-4525  
Start Test Date: 2013/05/24  
Final Test Date: 2013/05/24

E&E #2-34  
Formation: DST #3, JOHNSON, 4485-4525  
Pool: WILDCAT  
Job Number: T212

# E&E #2-34





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: E&E2-34DST3

TIME ON: 06:58  
TIME OFF: 15:25

Company GRAND MESA OPERATING COMPANY Lease & Well No. E&E #2-34  
Contractor H2 DRILLING, LLC RIG #2 Charge to GRAND MESA OPERATING COMPANY  
Elevation 2917 KB Formation JOHNSON Effective Pay -- Ft. Ticket No. T212  
Date 5-24-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS  
Test Approved By STEVE CARL Diamond Representative TIM VENTERS

Formation Test No. 3 Interval Tested from 4485 ft. to 4525 ft. Total Depth 4525 ft.  
Packer Depth 4480 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.  
Packer Depth 4485 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4466 ft. Recorder Number 8457 Cap. 10,000 P.S.I.  
Bottom Recorder Depth (Outside) 4522 ft. Recorder Number 11030 Cap. 5,025 P.S.I.  
Below Straddle Recorder Depth          ft. Recorder Number          Cap.          P.S.I.

Mud Type CHEMICAL Viscosity 57 Drill Collar Length 238 ft. I.D. 2 1/4 in.  
Weight 9.5 Water Loss 9.6 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.  
Chlorides 5,000 P.P.M. Drill Pipe Length 4214 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 40 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 2 INCHES. (NO B.B.)  
2nd Open: VERY WEAK SURFACE BLOW, BUILDING TO 3/4 INCH. (NO B.B.)

Recovered 1 ft. of CO 100% OIL, GRAVITY: 25  
Recovered 60 ft. of O&WCM, 22% OIL, 18% WATER, 60% MUD  
Recovered 61 ft. of TOTAL FLUID

Recovered <u>        </u> ft. of <u>        </u>	CHLORIDES: 30,000 ppm	Price Job
Recovered <u>        </u> ft. of <u>        </u>	PH: 7.0	Other Charges
Remarks: <u>        </u>	RW: .28 @ 82 deg.	Insurance
Tool Sample: 44% OIL, 12% WATER, 44% MUD		Total

Time Set Packer(s) 10:13 AM <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 12:13 PM <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 120 deg.

Initial Hydrostatic Pressure..... (A) 2094 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 6 P.S.I. to (C) 20 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 1121 P.S.I.  
Final Flow Period..... Minutes 30 (E) 28 P.S.I. to (F) 38 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 1025 P.S.I.  
Final Hydrostatic Pressure..... (H) 2094 P.S.I.

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