

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 #2, FT. SCOTT, 4380-4436

Surface Location SEC 34-13S-32W, LOGAN CO. KS.

Well License Number

Field WILDCAT

Well Type Vertical

Job Number T211

Representative TIM VENTERS

Well Operator GRAND MESA OPERATING COMPANY

Report Date 2013/05/23

Prepared By TIM VENTERS

Test Type CONVENTIONAL

Formation DST #2, FT. SCOTT, 4380-4436

Well Fluid Type 01 Oil

Start Test Time 10:01:00

Final Test Time 17:15:00

Start Test Date 2013/05/23

Final Test Date 2013/05/23

Gauge Name 8457

Gauge Serial Number

Test Results

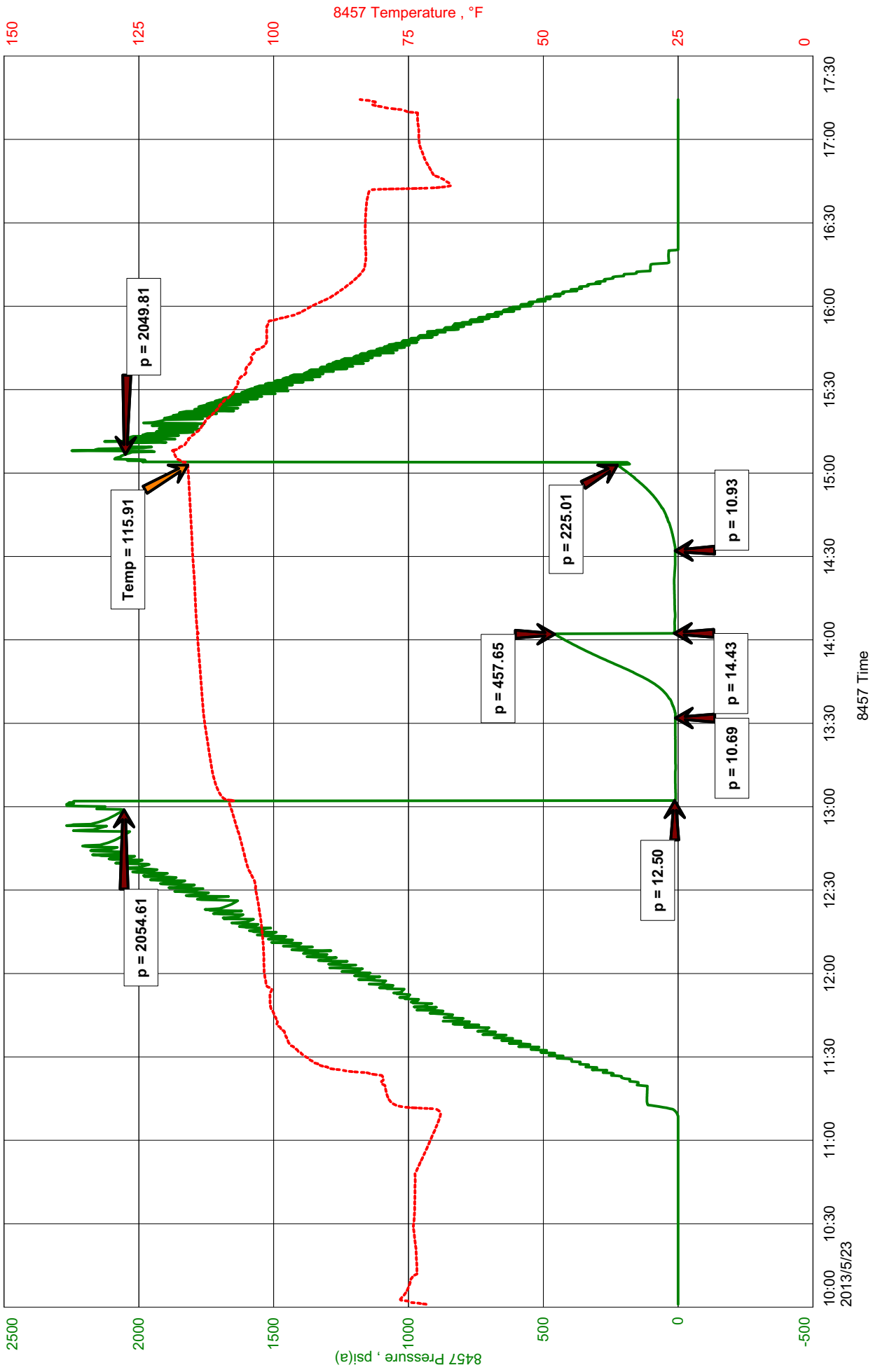
RECOVERED: 5' MW/SP. O, SPOTTY OIL 100% MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD

GRAND MESA OPERATING COMPANY
DST #2, FT. SCOTT, 4380-4436
Start Test Date: 2013/05/23
Final Test Date: 2013/05/23

E&E #2-34
Formation: DST #2, FT. SCOTT, 4380-4436
Pool: WILDCAT
Job Number: T211

E&E #2-34





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: E&E2-34DST2

TIME ON: 10:01
TIME OFF: 17:15

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 FT. SCOTT Effective Pay -- Ft. Ticket No. T211
Date 5-23-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS
Test Approved By STEVE CARL Diamond Representative TIM VENTERS

Formation Test No. 2 Interval Tested from 4380 ft. to 4436 ft. Total Depth 4436 ft.
Packer Depth 4375 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 4380 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4361 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4433 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 55 Drill Collar Length 238 ft. I.D. 2 1/4 in.
Weight 9.3 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in.
Chlorides 4,500 P.P.M. Drill Pipe Length 4109 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 24 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO B.B.)
2nd Open: VERY WEAK SURFACE BLOW LASTING 10-15 MIN. (NO B.B.)

Recovered 5 ft. of MW/SP. O, SPOTTY OIL, 100% MUD
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Remarks:

	Price Job
	Other Charges
	Insurance
Tool Sample: <u>SPOTTY OIL, 100% MUD</u>	Total

Time Set Packer(s) 1:01 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 3:01 PM ^{A.M.}/_{P.M.} Maximum Temperature 116 deg.

Initial Hydrostatic Pressure..... (A) 2055 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 11 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 458 P.S.I.
Final Flow Period..... Minutes 30 (E) 14 P.S.I. to (F) 11 P.S.I.
Final Closed In Period..... Minutes 30 (G) 225 P.S.I.
Final Hydrostatic Pressure..... (H) 2050 P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.