

Diamond Testing

General information Report

General Information

Company Name GRAND MESA OPERATING COMPANY

Contact MICHAEL J. REILLY

Well Name E&E #2-34

Unique Well ID DST #1, LKC "L", 4220-4272

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

Well License Number

Field WILDCAT

Well Type Vertical

Job Number T210

Representative TIM VENTERS

Well Operator GRAND MESA OPERATING COMPANY

Report Date 2013/05/22

Prepared By TIM VENTERS

Test Type CONVENTIONAL

Formation DST #1, LKC "L", 4220-4272

Well Fluid Type 01 Oil

Start Test Time 23:44:00

Final Test Time 08:29:00

Start Test Date 2013/05/21

Final Test Date 2013/05/22

Gauge Name 8457

Gauge Serial Number

Test Results

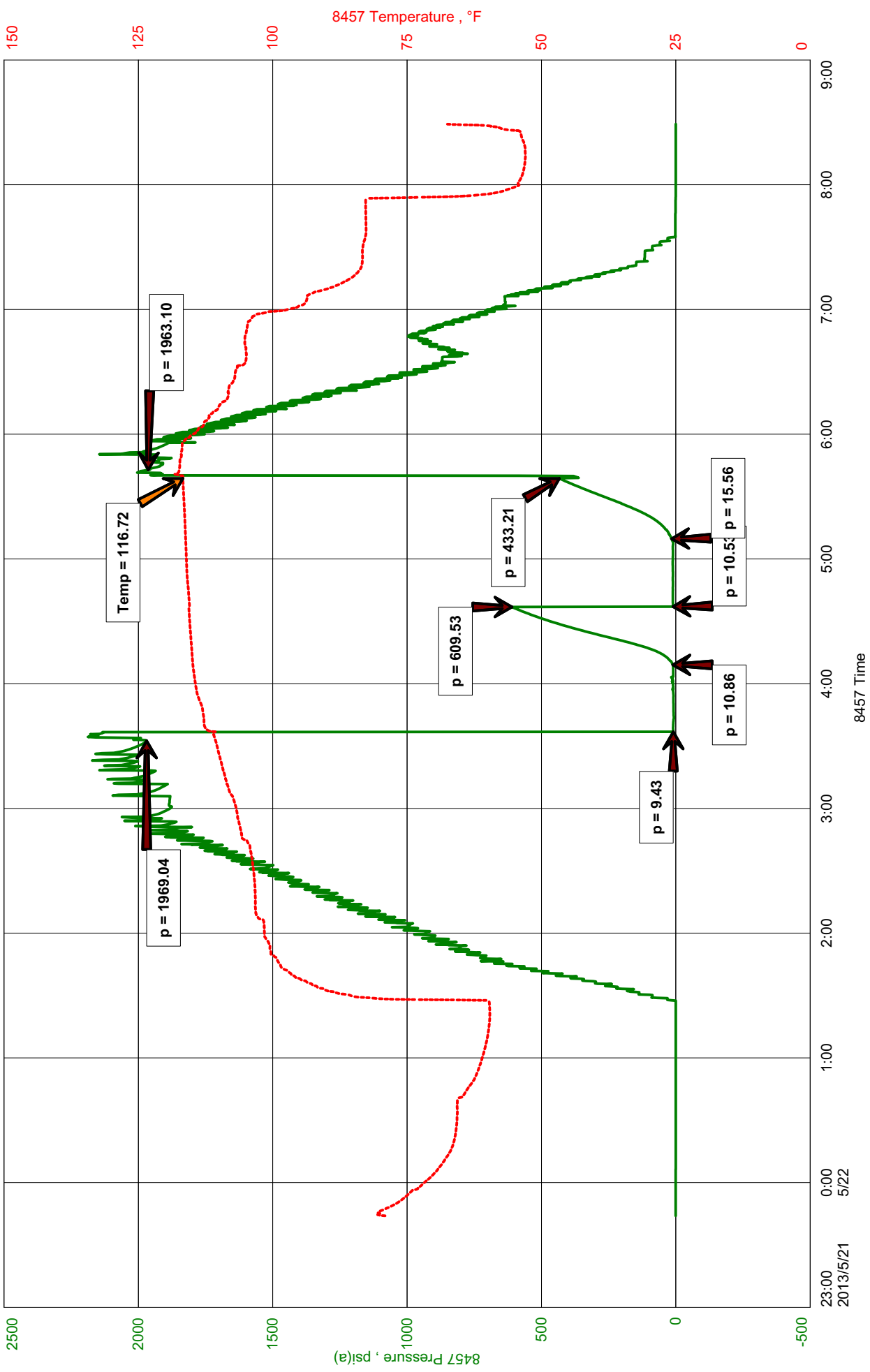
RECOVERED; 5' MW/TR. O, TRACE OIL, 100% MUD

TOOL SAMPLE: 1% OIL, 99% MUD

GRAND MESA OPERATING COMPANY
DST #1, LKC "L", 4220-4272
Start Test Date: 2013/05/21
Final Test Date: 2013/05/22

E&E #2-34
Formation: DST #1, LKC "L", 4220-4272
Pool: WILDCAT
Job Number: T210

E&E #2-34





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: E&E2-34DST1

TIME ON: 23:44 5-21-13
TIME OFF: 08:29 5-22-13

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 LKC "L" Effective Pay -- Ft. Ticket No. T210
Date 5-22-13 Sec. 34 Twp. 13 S Range 32 W County LOGAN State KANSAS
Test Approved By BOB SCHREIBER Diamond Representative TIM VENTERS

Formation Test No. 1 Interval Tested from 4220 ft. to 4272 ft. Total Depth 4272 ft.

Packer Depth 4215 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 4220 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4206 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 4269 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 9.2 Water Loss 8.0 cc. Weight Pipe Length -- ft. I.D. 2 7/8 in

Chlorides 5,000 P.P.M. Drill Pipe Length 3949 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 21 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/2 INCH. (NO B.B.)

2nd Open: VERY WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO B.B.)

Recovered 5 ft. of MW/TR. O, TRACE OIL, 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

Tool Sample: 1% OIL, 99% MUD

Time Set Packer(s) 3:36 AM ^{A.M.} P.M. Time Started Off Bottom 5:38 AM ^{A.M.} P.M. Maximum Temperature 117 deg.

Initial Hydrostatic Pressure..... (A) 1969 P.S.I.

Initial Flow Period..... Minutes 30 (B) 9 P.S.I. to (C) 11 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 610 P.S.I.

Final Flow Period..... Minutes 30 (E) 11 P.S.I. to (F) 16 P.S.I.

Final Closed In Period..... Minutes 32 (G) 433 P.S.I.

Final Hydrostatic Pressure..... (H) 1963 P.S.I.

Price Job
Other Charges
Insurance
Total

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.