

DIAMOND TESTING

General Information Report

General Information

Company Name GRAND MESA OPERATING CO.
Contact MICHAEL REILLY
Well Name GRIFFITH #2-23
Unique Well ID DST #7, FT. SC.-JOHN., 4416-4550
Surface Location SEC 23-16S-33W, SCOTT CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #7, FT. SC.-JOHN., 4416-4550
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2013/10/16
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2013/10/16
Final Test Date 2013/10/16

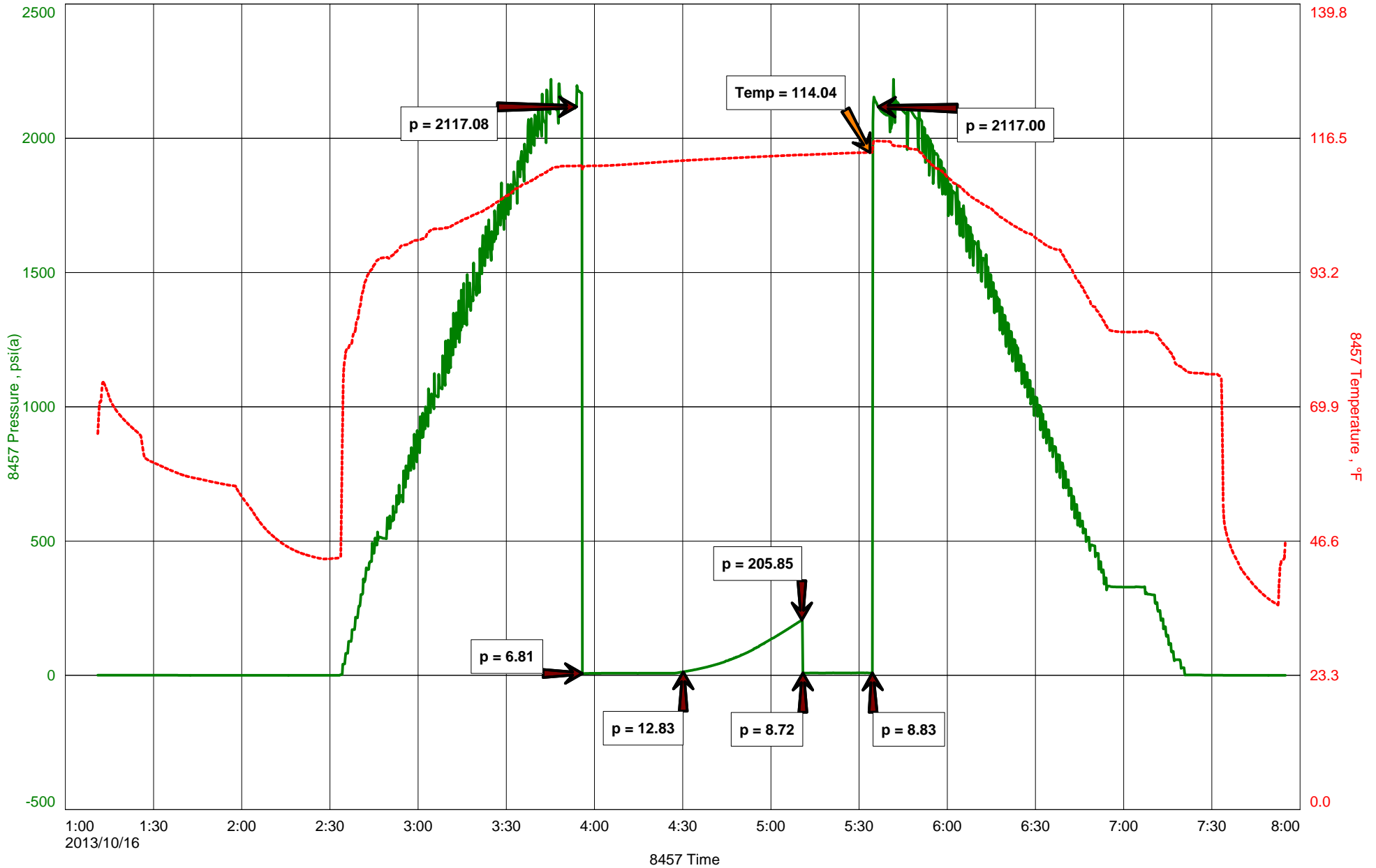
Start Test Time 01:11:00
Final Test Time 07:55:00

Test Recovery:

RECOVERED: 10' M W/TR. O, TRACE OIL, 100% MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

GRIFFITH #2-23





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GRIFFITH2-23DST7

TIME ON: 01:11
TIME OFF: 07:05

Company GRAND MESA OPERATING CO. Lease & Well No. GRIFFITH #2-23
Contractor DUKE DRILLING CO., INC. RIG #4 Charge to GRAND MESA OPERATING CO.
Elevation 2978 KB Formation FT. SCOTT-JOHNSON Effective Pay _____ Ft. Ticket No. T270
Date 10-16-13 Sec. 23 Twp. _____ 16 S Range _____ 33 W County SCOTT State KANSAS
Test Approved By KENT MATSON Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 7 Interval Tested from 4416 ft. to 4550 ft. Total Depth 4550 ft.
Packer Depth 4411 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4416 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4397 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4547 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 _____ ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 9.6 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 5,000 P.P.M. Drill Pipe Length 4383 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. ^{94' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK 1/4 INCH BLOW, BUILDING TO 1/2 INCH. (NO BB)
2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered <u>10</u> ft. of <u>M W/TR. O, TRACE OIL, 100% MUD</u>	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: <u>TRACE OIL, 100% MUD</u>	Total

Time Set Packer(s) 3:55 AM ^{A.M.} P.M. Time Started Off Bottom 5:30 AM ^{A.M.} P.M. Maximum Temperature 114 deg.
Initial Hydrostatic Pressure..... (A) 2117 P.S.I.
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 13 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 206 P.S.I.
Final Flow Period..... Minutes 20 (E) 9 P.S.I. to (F) 9 P.S.I.
Final Closed In Period..... Minutes 0 (G) N/A P.S.I.
Final Hydrostatic Pressure..... (H) 2117 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.