

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 #6, LEN./ALT./PAWN., 4332-4410
Surface Location SEC 23-16S-33W, SCOTT CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #6, LEN./ALT./PAWN., 4332-4410
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2013/10/15
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2013/10/14
Final Test Date 2013/10/15

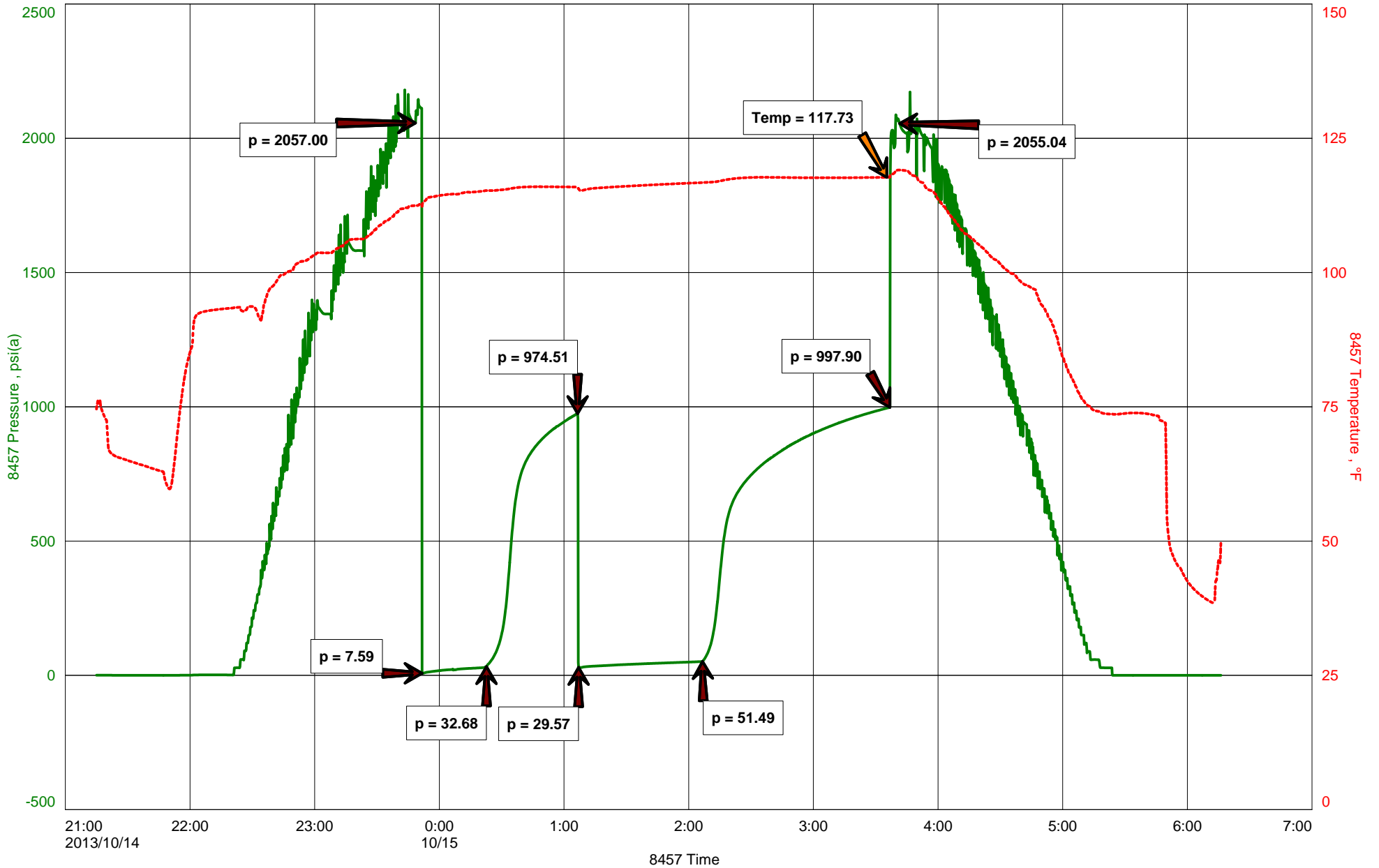
Start Test Time 21:15:00
Final Test Time 06:17:00

Test Recovery:

RECOVERED: 380' GAS IN PIPE
40' CLEAN OIL, 100% OIL, GRAVITY: 37
80' VHMCO, 51% OIL, 49% MUD
120' TOTAL FLUID

TOOL SAMPLE: 96% OIL, 4% MUD

GRIFFITH #2-23





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GRIFFITH2-23DST6

TIME ON: 21:15 10-14-13
TIME OFF: 06:17 10-15-13

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 LEN./ALT./PAWN. Effective Pay _____ Ft. Ticket No. T269
Date 10-14-13 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. 6 Interval Tested from 4332 ft. to 4410 ft. Total Depth 4410 ft.
Packer Depth 4327 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4332 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4313 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4407 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 _____ 0 ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length _____ 0 ft. I.D. 2 7/8 in.
Chlorides 4,400 P.P.M. Drill Pipe Length 4299 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 15 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{63' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 11 1/2 INCHES. (NO BB)
2nd Open: GOOD 1 INCH BLOW, BUILDING, REACHING BOB 23 1/2 MIN. (NO BB)

Recovered 380 ft. of GAS IN PIPE
Recovered 40 ft. of CLEAN OIL, 100% OIL, GRAVITY: 37
Recovered 80 ft. of VHMCO, 51% OIL, 49% MUD
Recovered 120 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 96% OIL, 4% MUD	Total

Time Set Packer(s) 11:51 PM A.M. P.M. Time Started Off Bottom 3:36 AM A.M. P.M. Maximum Temperature 118 deg.

Initial Hydrostatic Pressure..... (A) 2057 P.S.I.
Initial Flow Period..... Minutes 30 (B) 8 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 975 P.S.I.
Final Flow Period..... Minutes 60 (E) 30 P.S.I. to (F) 51 P.S.I.
Final Closed In Period..... Minutes 90 (G) 998 P.S.I.
Final Hydrostatic Pressure..... (H) 2055 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.