

DIAMOND TESTING

General Information Report

General Information

Company Name GRAND MESA OPERATING COMPANY
Contact MICHAEL REILLY
Well Name BSB #1-22
Unique Well ID DST #2, CHEROKEE, 4332-4390
Surface Location SEC 22-19S-23W, NESS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, CHEROKEE, 4332-4390
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2014/12/04
Prepared By TIM VENTERS
Qualified By STEVE CARL

Start Test Date 2014/12/04
Final Test Date 2014/12/04

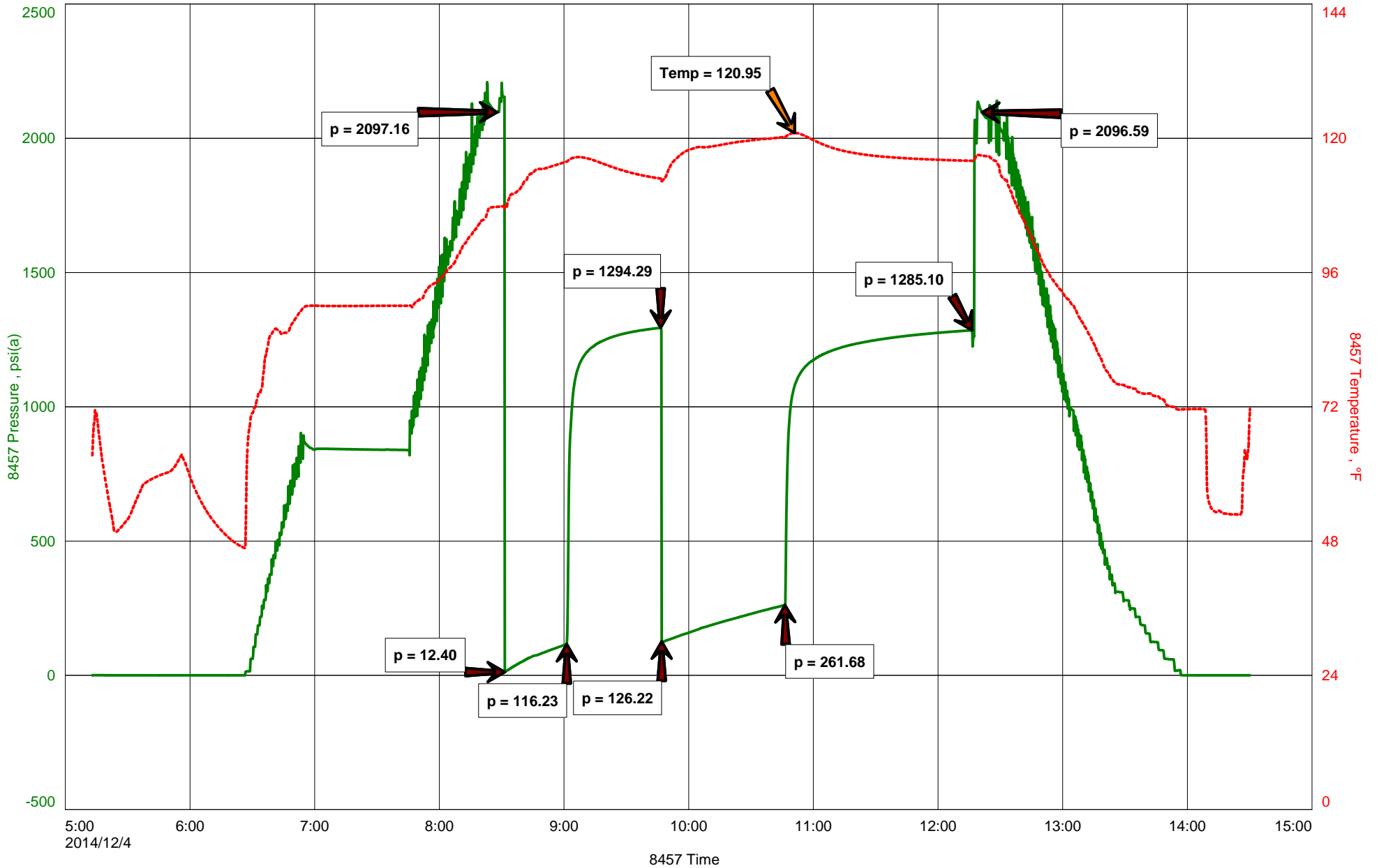
Start Test Time 05:13:00
Final Test Time 14:30:00

Test Recovery:

RECOVERED: 440' GAS IN PIPE
315' GO, 8% GAS, 92% OIL, GRAVITY: 37
255' G,SMCO, 3% GAS, 93% OIL, 4% MUD
125' G,HMCO, 18% GAS, 48% OIL, 34% MUD
695' TOTAL FLUID

TOOL SAMPLE: 4% GAS, 88% OIL, 8% MUD

BSB #1-22





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BSB1-22DST2

TIME ON: 05:13
TIME OFF: 14:30

Company GRAND MESA OPERATING COMPANY Lease & Well No. BSB #1-22
Contractor DUKE DRILLING CO., INC. RIG #4 Charge to GRAND MESA OPERATING COMPANY
Elevation 2278 KB Formation CHEROKEE Effective Pay _____ Ft. Ticket No. T423
Date 12-4-14 Sec. 22 Twp. _____ 19 S Range _____ 23 W County NESS State KANSAS
Test Approved By STEVE CARL Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 4332 ft. to 4390 ft. Total Depth 4390 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) 4387 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 56 Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.45 Water Loss 8.8 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 4,600 P.P.M. Drill Pipe Length 4299 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 26 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 1/2 INCH BLOW, BUILDING, REACHING BOB 9 1/2 MIN. (1/4" BB)
2nd Open: GOOD 1 INCH BLOW, BUILDING, REACHING BOB 11 MIN. (NO BB)

Recovered 440 ft. of GAS IN PIPE
Recovered 315 ft. of GO, 8% GAS, 92% OIL, GRAVITY: 37
Recovered 255 ft. of G, SMCO, 3% GAS, 93% OIL, 4% MUD
Recovered 125 ft. of G, HMCO, 18% GAS, 48% OIL, 34% MUD
Recovered 695 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Remarks: _____	Other Charges
TOOL SAMPLE: <u>4% GAS, 88% OIL, 8% MUD</u>	Insurance
	Total

Time Set Packer(s) 8:31 AM ^{A.M.} P.M. Time Started Off Bottom 12:16 PM ^{A.M.} P.M. Maximum Temperature 121 deg.

Initial Hydrostatic Pressure..... (A) 2097 P.S.I.
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 116 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1294 P.S.I.
Final Flow Period..... Minutes 60 (E) 126 P.S.I. to (F) 262 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1285 P.S.I.
Final Hydrostatic Pressure..... (H) 2097 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.