

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 #3, CHEROKEE, 4388-4415
Surface Location SEC 22-19S-23W, NESS CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, CHEROKEE, 4388-4415
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2014/12/05
Prepared By TIM VENTERS
Qualified By STEVE CARL

Start Test Date 2014/12/04
Final Test Date 2014/12/05

Start Test Time 22:00:00
Final Test Time 07:05:00

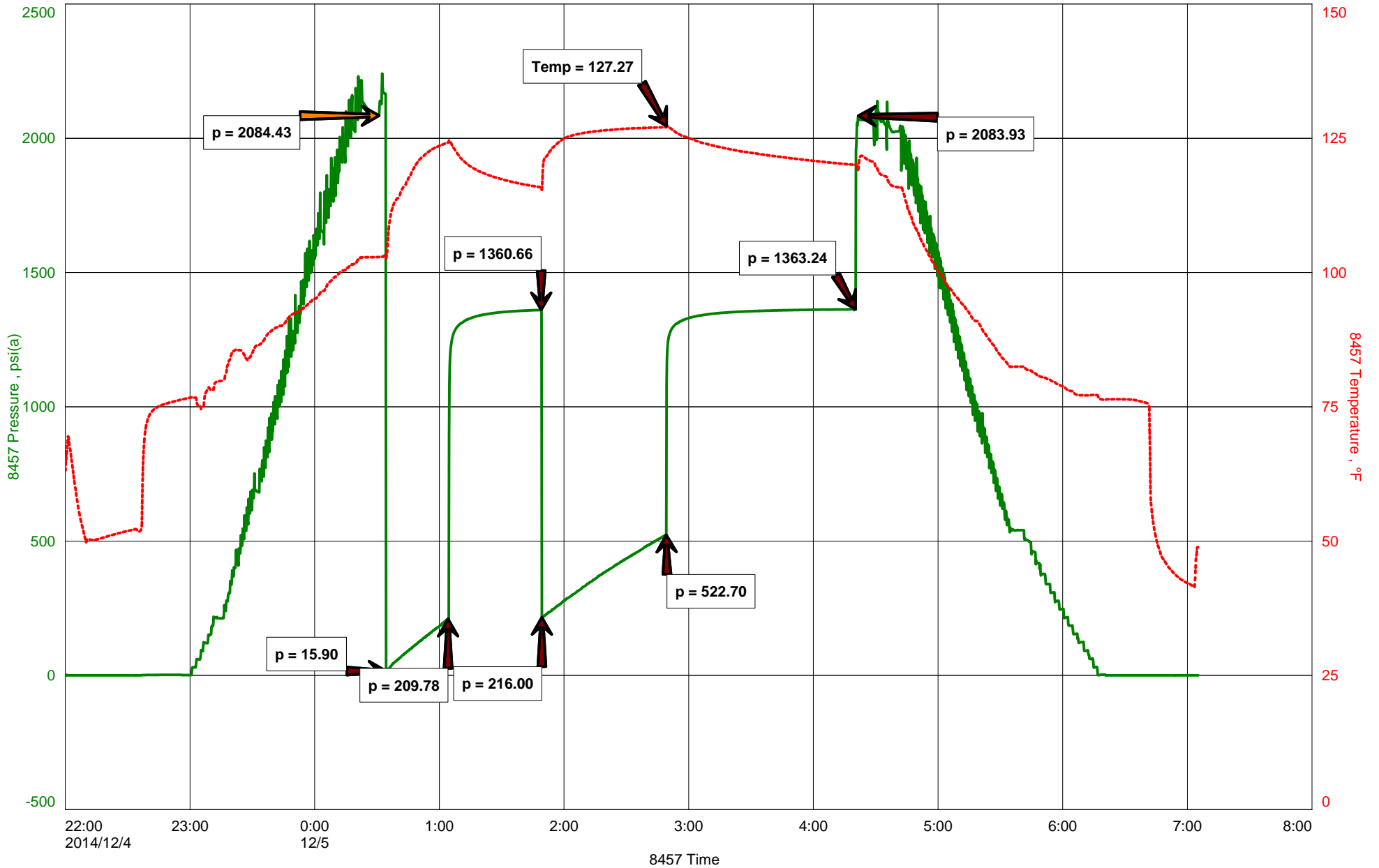
Test Recovery:

RECOVERED: 2' CLEAN OIL
250' SO,HMCW, 4% OIL, 51% WATER, 45% MUD
760' SO&MCW, 4% OIL, 93% WATER, 3% MUD
65' WATER
65' SMCW, 91% WATER, 9% MUD
1142' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 98% WATER, 2% MUD

CHLORIDES: 23,000 ppm
PH: 6.5
RW: .25 @ 74 deg.

BSB #1-22





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: BSB1-22DST3

TIME ON: 22:00 12-4-14
TIME OFF: 07:05 12-5-14

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. T424
Date 12-5-14 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. 3 Interval Tested from 4388 ft. to 4415 ft. Total Depth 4415 ft.
Packer Depth 4383 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4388 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
Top Recorder Depth (Inside) 4369 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4412 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 4355 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 27 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 1 INCH BLOW, BUILDING, REACHING BOB 8 MIN. (NO BB)
2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 9 MIN. (NO BB)

Recovered <u>2</u> ft. of <u>CLEAN OIL</u>	
Recovered <u>250</u> ft. of <u>SOCHMCW, 4% OIL, 51% WATER, 45% MUD</u>	
Recovered <u>760</u> ft. of <u>SO&MCW, 4% OIL, 93% WATER, 3% MUD</u>	
Recovered <u>65</u> ft. of <u>WATER</u>	
Recovered <u>65</u> ft. of <u>SMCW, 912% WATER, 9% MUD</u>	Price Job
Recovered <u>1142</u> ft. of <u>TOTAL FLUID</u>	Other Charges
Remarks: _____	Insurance
_____	Total

TOOL SAMPLE: TRACE OIL, 98% WATER, 2% MUD
Time Set Packer(s) 12:33 AM A.M. P.M. Time Started Off Bottom 4:18 AM A.M. P.M. Maximum Temperature 127 deg.

Initial Hydrostatic Pressure..... (A) 2084 P.S.I.
Initial Flow Period..... Minutes 30 (B) 16 P.S.I. to (C) 210 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1361 P.S.I.
Final Flow Period..... Minutes 60 (E) 216 P.S.I. to (F) 523 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1363 P.S.I.
Final Hydrostatic Pressure..... (H) 2084 P.S.I.

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