

DIAMOND TESTING

General Information Report

General Information

Company Name GRAND MESA OPERATING CO.
Contact MICHAEL RIELLY
Well Name GRIFFITH #2-23
Unique Well ID DST #5, LKC "K", 4194-4220
Surface Location SEC 23-16S-33W, SCOTT CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #5, LKC "K", 4194-4220
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator GRAND MESA OPERATING CO.
Report Date 2013/10/13
Prepared By TIM VENTERS
Qualified By KENT MATSON

Start Test Date 2013/10/13
Final Test Date 2013/10/13

Start Test Time 13:35:00
Final Test Time 21:19:00

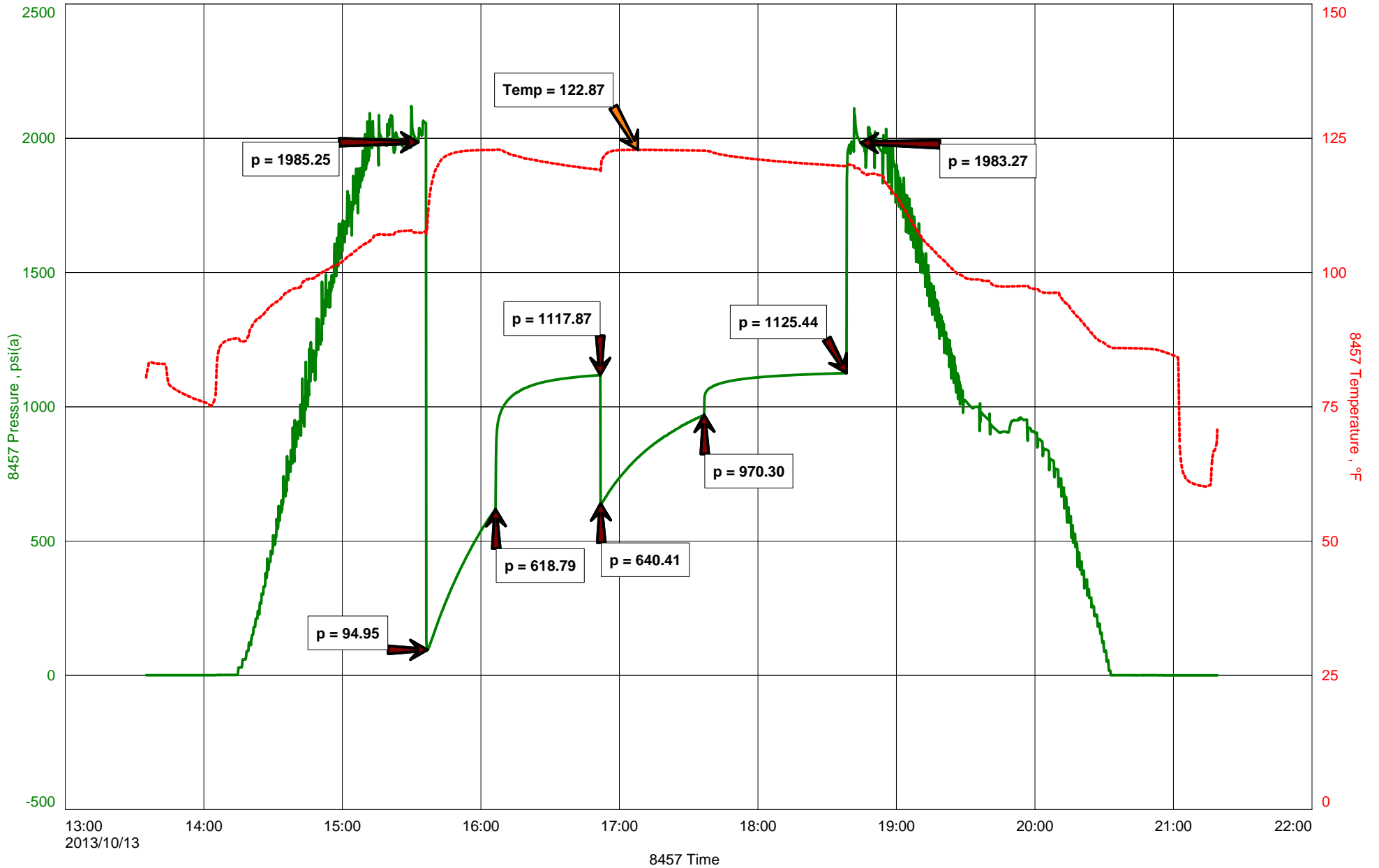
Test Recovery:

RECOVERED; 140' MCW W/TR. O, TRACE OIL, 71% WATER, 29% MUD
1985' VSMCW W/TR. O, TRACE OIL, 96% WATER, 4% MUD
2125' TOTAL FLUID

TOOL SAMPLE: SPOTTY OIL, 97% WATER, 3% MUD

CHLORIDES: 39,000 ppm
PH: 7.5
RW: .32 @ 70 deg.

GRIFFITH #2-23





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: GRIFFITH2-23DST5

TIME ON: 13:35
TIME OFF: 21:19

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 LKC "K" Effective Pay _____ Ft. Ticket No. T268
Date 10-13-13 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. 5 Interval Tested from 4194 ft. to 4220 ft. Total Depth 4220 ft.
Packer Depth 4189 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4194 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4175 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
Bottom Recorder Depth (Outside) 4217 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 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 9.0 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3,000 P.P.M. Drill Pipe Length 4161 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 YES Anchor Length 26 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 2 INCH BLOW, BUILDING, REACHING BOB 1 1/2 MIN. (NO BB)
2nd Open: GOOD 1 1/2 INCH BLOW, BUILDING, REACHING BOB 3 MIN. (NO BB)

Recovered 140 ft. of MCW W/TR. O, TRACE OIL, 71% WATER, 29% MUD
Recovered 1985 ft. of VSMCW W/TR. O, TRACE OIL, 96% WATER, 4% MUD
Recovered 2125 ft. of TOTAL FLUID

Recovered _____ ft. of _____	CHLORIDES: 39,000 ppm	Price Job
Recovered _____ ft. of _____	PH: 7.5	Other Charges
Remarks: _____	RW: .32 @ 70 deg.	Insurance
TOOL SAMPLE: SPOTTY OIL, 97% WATER, 3% MUD		Total

Time Set Packer(s) 3:36 PM A.M. P.M. Time Started Off Bottom 6:36 PM A.M. P.M. Maximum Temperature 123 deg.

Initial Hydrostatic Pressure..... (A) 1985 P.S.I.
Initial Flow Period..... Minutes 30 (B) 95 P.S.I. to (C) 619 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1118 P.S.I.
Final Flow Period..... Minutes 45 (E) 640 P.S.I. to (F) 970 P.S.I.
Final Closed In Period..... Minutes 60 (G) 1125 P.S.I.
Final Hydrostatic Pressure..... (H) 1983 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.