

# DIAMOND TESTING GENERAL REPORT

**Jake Fahrenbruch, Tester**

Cell: (620) 282-8977 / Office: (800) 542-7313



## TEST INFORMATION

<b>Well Name</b>	Parkinson-Gough #1-8
<b>Formation</b>	Pleasanton-Pawnee 4400'-4490'
<b>Surface Location</b>	Sec 8-17s-33w-Scott Co-KS
<b>Company Name</b>	Grand Mesa Operating Company
<b>Test Type</b>	Bottom-Hole W/J&J
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/10/25
<b>Start Test Time</b>	18:29:00
<b>Final Test Date</b>	2014/10/26
<b>Final Test Time</b>	03:05:00
<b>Job Number</b>	F340
<b>Contact</b>	Steve Stribling
<b>Site Contact</b>	Kent Matson

## TEST RESULTS

Initial flow, blow increased to BOB in 6 minutes. Blowback increased to 8".  
 Final flow, blow increased to BOB in 7 minutes. Blowback increased to BOB in 60 minutes.

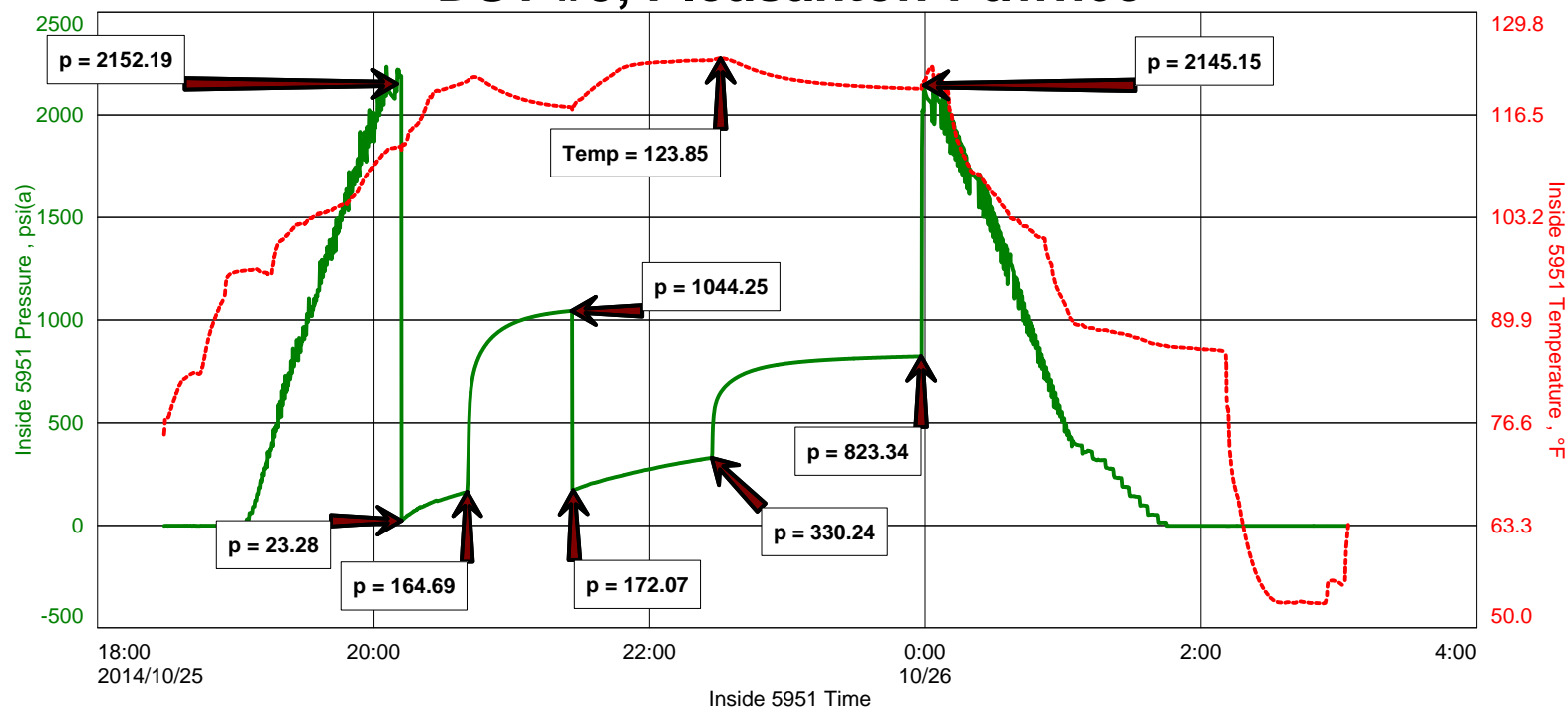
**TOTAL RECOVERED FLUID: 850'**

600' Clean Oil 100% oil  
 250' GCMO 15% gas, 45% oil, 40% mud  
 ----- 500' GAS IN PIPE  
 ----- GRAVITY: 34.5 @ 60F

Grand Mesa Operating Company  
 Start Test Date: 2014/10/25  
 Final Test Date: 2014/10/26

Parkinson-Gough #1-8  
 Formation: Pleasanton-Pawnee 4400'-4490'  
 Job Number: F340

## DST #5, Pleasanton-Pawnee







**DIAMOND TESTING**  
 P.O. Box 157  
 HOISINGTON, KANSAS 67544  
 (800) 542-7313  
**DRILL-STEM TEST TICKET**  
 FILE: PAGO10ST5

ON LOCATION: 18:05 10-25  
 START RECORDERS: 18:29 10-25  
 STOP RECORDERS: 03:05 10-26

Company GRAND MESA OP. Co. Lease & Well No. PARKINSON-GOUGH #1-8  
 Contractor DUKE DRUG REG #4 Charge to G.M.O.C.  
 Elevation 3089' KB Formation PLEASANTON - PAWNEE Ft. Ticket No. F340  
 Date 10-25-14 Sec. 8 Twp. 17s Range 33w County SCOTT State KS  
 Test Approved By KENT MATSON Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 5 Interval Tested from 4400 ft. to 4490 ft. Total Depth 4490 ft.  
 Packer Depth 4395 ft. Size 6 3/4 in. Packer depth — ft. Size 6 3/4 in.  
 Packer Depth 4400 ft. Size 6 3/4 in. Packer depth — ft. Size 6 3/4 in.  
 Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4378 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4403 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth — ft. Recorder Number — Cap. — P.S.I.

Mud Type CHEMICAL Viscosity 50 (1" LCM) Drill Collar Length — ft. I.D. 2 1/4 in.  
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length — ft. I.D. 2 7/8 in.  
 Chlorides 8000 P.P.M. Drill Pipe Length — ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number #5 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? — Reversed Out — Anchor Length 90 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 x 1 1/2 in. 26" PERF IN HOLES Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 6 MINUTES. BB INC TO 8"  
 2nd Open: BLOW INCREASED TO BOB IN 7 MINUTES. BB @ BOB 1 HOUR.

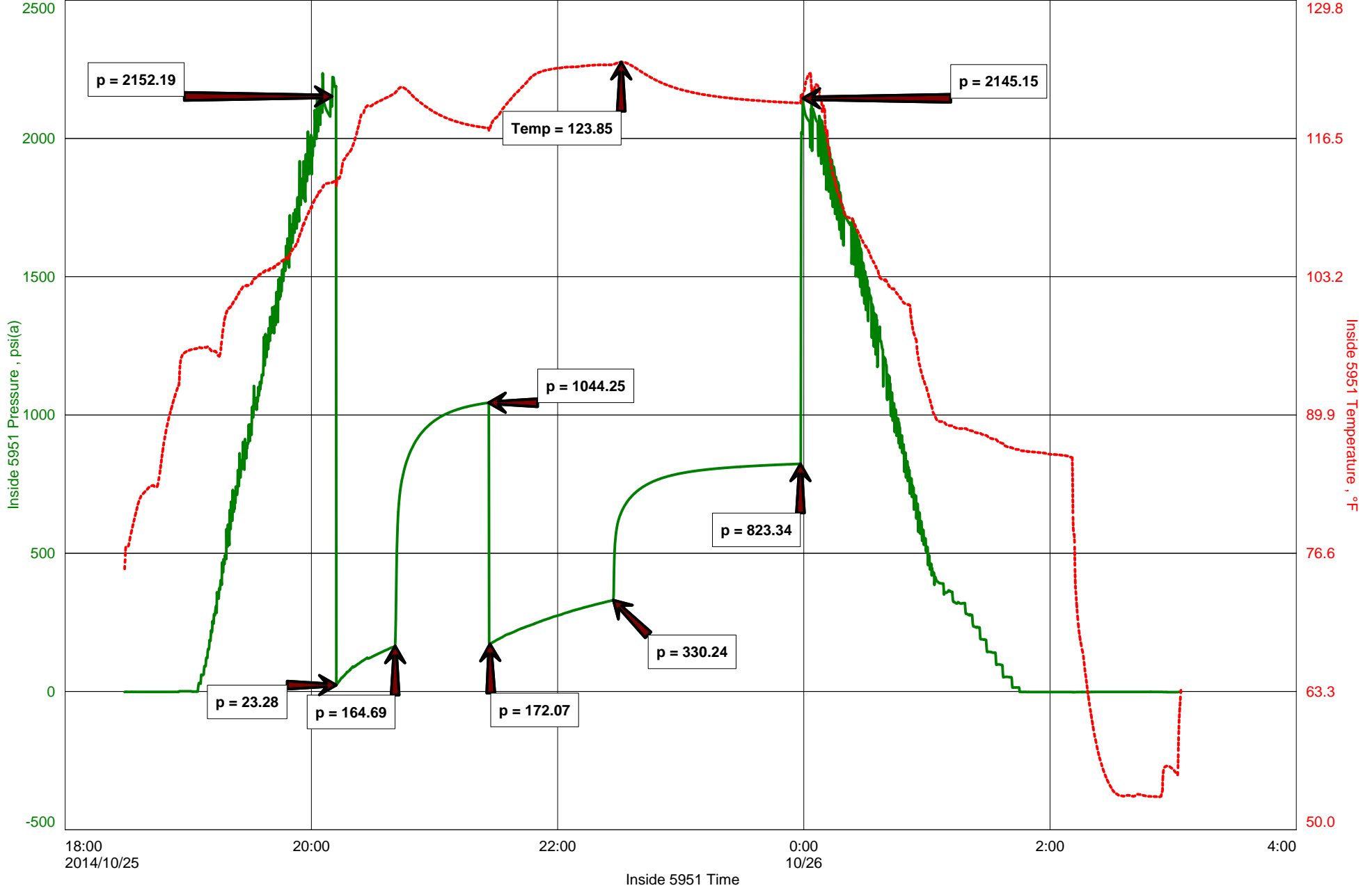
Recovered 600 ft. of CLEAN OIL 100' OIL  
 Recovered 250 ft. of GCMO 15" gas, 45" oil, 40" mud  
 Recovered — ft. of 500 GAS IN PIPE  
 Recovered — ft. of TOTAL RECOVERED FLUID: 850'  
 Recovered — ft. of GRAVITY: 34 1/2 @ 60F

Recovered <u>—</u> ft. of <u>—</u>	Price Job
Remarks: <u>JARS 5 JOINT</u>	Other Charges
	<u>35 MRT (SCOT CITY)</u>
	Total

Time Set Packer(s) 8:13 A.M. Time Started Off Bottom 11:58 P.M. Maximum Temperature 124°F  
 Initial Hydrostatic Pressure..... (A) 2152 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 23 P.S.I. to (C) 165 P.S.I.  
 Initial Closed In Period..... Minutes 45 (D) 1044 P.S.I.  
 Final Flow Period..... Minutes 60 (E) 172 P.S.I. to (F) 330 P.S.I.  
 Final Closed In Period..... Minutes 90 (G) 823 P.S.I. Thanks!  
 Final Hydrostatic Pressure..... (H) 2145 P.S.I. Jacob J...

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.

# DST #5, Pleasanton-Pawnee







**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: \_\_\_\_\_

TIME ON: \_\_\_\_\_  
TIME OFF: \_\_\_\_\_

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State **KANSAS**  
Test Approved By \_\_\_\_\_ Diamond Representative \_\_\_\_\_

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Packer Depth \_\_\_\_\_ ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
2nd Open: \_\_\_\_\_

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_  
Initial Hydrostatic Pressure..... (A) \_\_\_\_\_ P.S.I.  
Initial Flow Period..... Minutes \_\_\_\_\_ (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.  
Initial Closed In Period..... Minutes \_\_\_\_\_ (D) \_\_\_\_\_ P.S.I.  
Final Flow Period..... Minutes \_\_\_\_\_ (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.  
Final Closed In Period..... Minutes \_\_\_\_\_ (G) \_\_\_\_\_ P.S.I.  
Final Hydrostatic Pressure..... (H) \_\_\_\_\_ P.S.I.

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