

# 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>	Lansing "L" 4334'-4371'
<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 DST W/J&J
<b>Gauge Name</b>	Inside 5951
<b>Start Test Date</b>	2014/10/24
<b>Start Test Time</b>	12:38:00
<b>Final Test Date</b>	2014/10/24
<b>Final Test Time</b>	20:28:00
<b>Job Number</b>	F339
<b>Contact</b>	Steve Stribling
<b>Site Contact</b>	Kent Matson

## TEST RESULTS

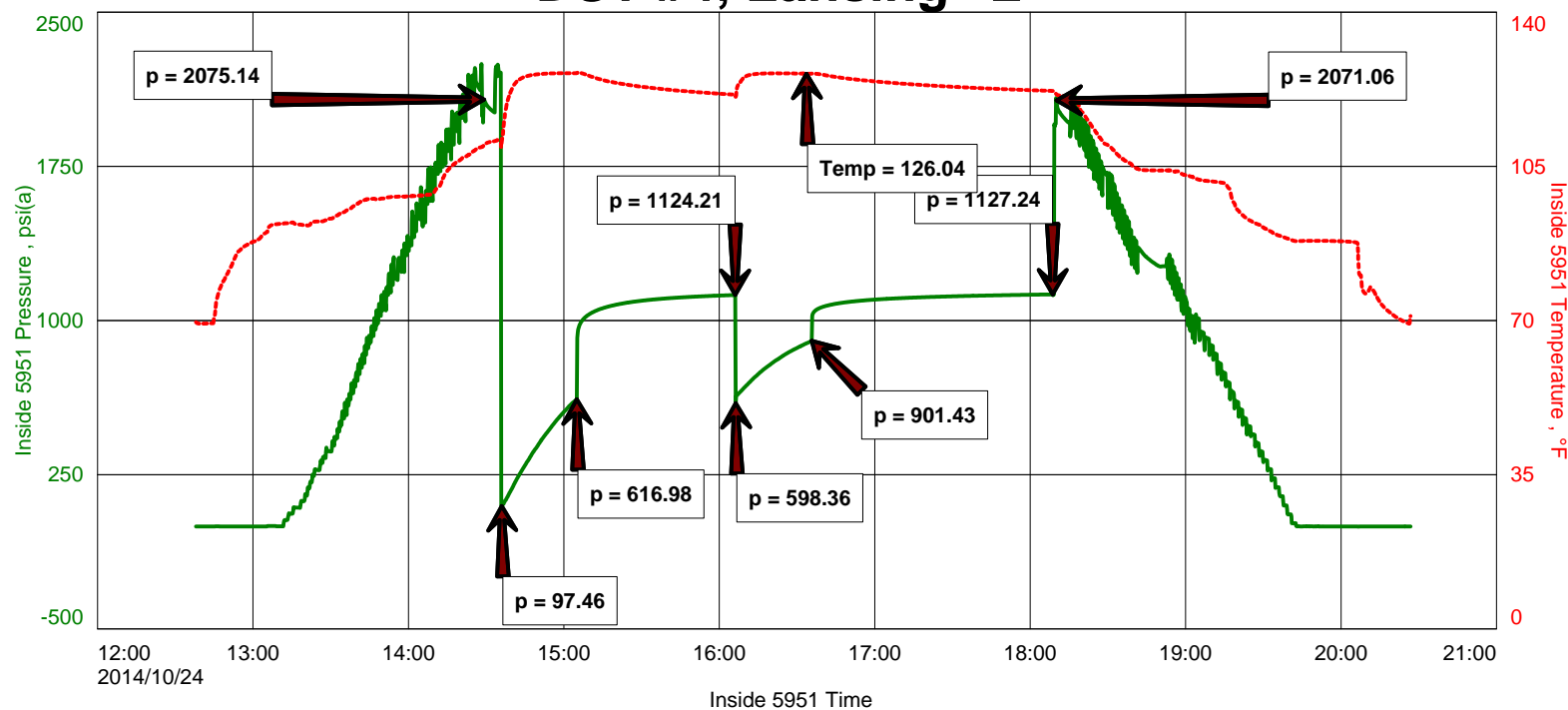
Initial flow, strong blow @ BOB in 2 minutes. No blowback.  
 Final flow, strong blow @ BOB in 2 3/4 minutes. No blowback.

RECOVERED 1,980' OF SALT WATER  
 Chlorides: 43,000 PPM  
 RW: .14 ohm @ 85 Deg F  
 PH: 7.5

Grand Mesa Operating Company  
 Start Test Date: 2014/10/24  
 Final Test Date: 2014/10/24

Parkinson-Gough #1-8  
 Formation: Lansing "L" 4334'-4371'  
 Job Number: F339

## DST #4, Lansing "L"





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

ON LOCATION: 11:45  
 START RECORDERS: 12:38  
 STOP RECORDERS: 20:28

Company GRAND MESA OPERATING CO. Lease & Well No. PARKINSON-GOUGH #1-8  
 Contractor DUNE DRILL REG #4 Charge to G.M.O.C.  
 Elevation 3089' NB Formation LANSING "L" Effective Pay \_\_\_\_\_ Ft. Ticket No. F939  
 Date 10-24-14 Sec. 8 Twp. 17S Range 33W County SCOTT State KANSAS  
 Test Approved By KENT MATSON Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 4 Interval Tested from 4334 ft. to 4371 ft. Total Depth 4371 ft.  
 Packer Depth 4329 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Packer Depth 4334 ft. Size 6 3/4 in. Packer depth \_\_\_\_\_ ft. Size 6 3/4 in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4312 ft. Recorder Number 5951 Cap. 5000 P.S.I.  
 Bottom Recorder Depth (Outside) 4335 ft. Recorder Number 5584 Cap. 5000 P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEMICAL Viscosity 54 (1%CM) Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight 9.2 Water Loss 8.8 cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides 7400 P.P.M. Drill Pipe Length 4301 ft. I.D. 3 1/2 in.  
 Jars: Make STERLING Serial Number 5 J#5 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length 37 ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" X 1" Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: STRONG BLOW @ BOB IN 2 MINUTES. NO BLOWBACK.  
 2nd Open: STRONG BLOW @ BOB IN 2 3/4 MINUTES. NO BLOWBACK.

Recovered 1980 ft. of SALT WATER 100" WTR  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

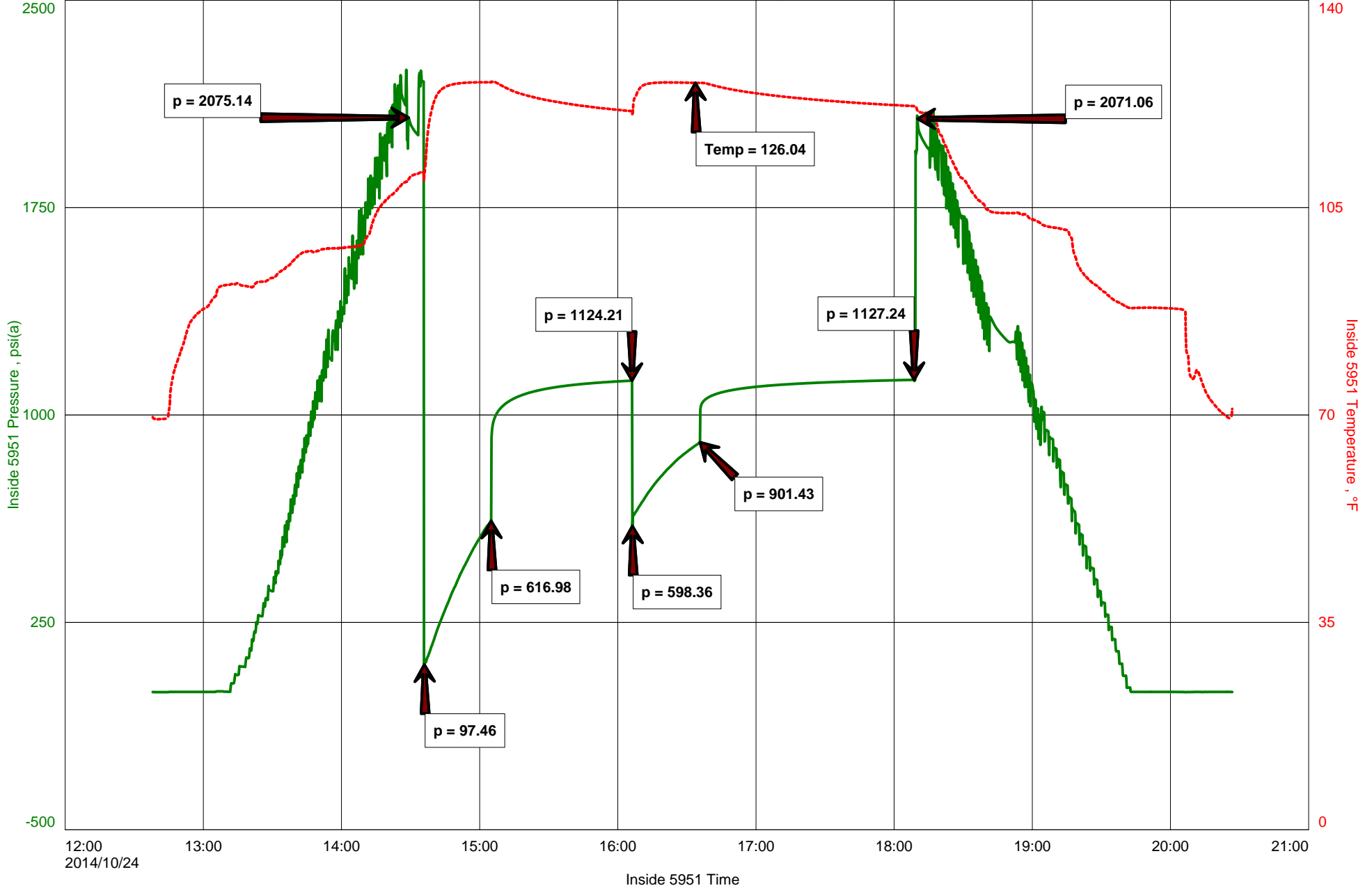
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>CHLORIDES: 43,000 PPM</u> <u>RW: .14 @ 86 F</u> <u>PH: 7 1/2</u>	<u>JARS, S. JOINT</u> <u>35 MRT (SCOTT CITY)</u>
	Total

Time Set Packer(s) 2:38 <sup>AM</sup>/<sub>PM</sub> Time Started Off Bottom 6:08 <sup>AM</sup>/<sub>PM</sub> Maximum Temperature 126 F

Initial Hydrostatic Pressure..... (A) 2075 P.S.I.  
 Initial Flow Period..... Minutes 30 (B) 97 P.S.I. to (C) 617 P.S.I.  
 Initial Closed In Period..... Minutes 60 (D) 1124 P.S.I.  
 Final Flow Period..... Minutes 30 (E) 598 P.S.I. to (F) 901 P.S.I.  
 Final Closed In Period..... Minutes 90 (G) 1127 P.S.I. Thanks!  
 Final Hydrostatic Pressure..... (H) 2071 P.S.I. Jake Fahrenbruch

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 #4, Lansing "L"





**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.

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.