

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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TEST INFORMATION

Well Name	Parkinson-Gough #1-8
Formation	Lansing "E" 4092'-4120'
Surface Location	Sec 8-17s-33w-Scott Co-KS
Company Name	Grand Mesa Operating Company
Test Type	Bottom-Hole DST W/J&J
Gauge Name	Inside 5951
Start Test Date	2014/10/22
Start Test Time	17:38:00
Final Test Date	2014/10/23
Final Test Time	01:04:00
Job Number	F337
Contact	Steve Stribling
Site Contact	Kent Matson

TEST RESULTS

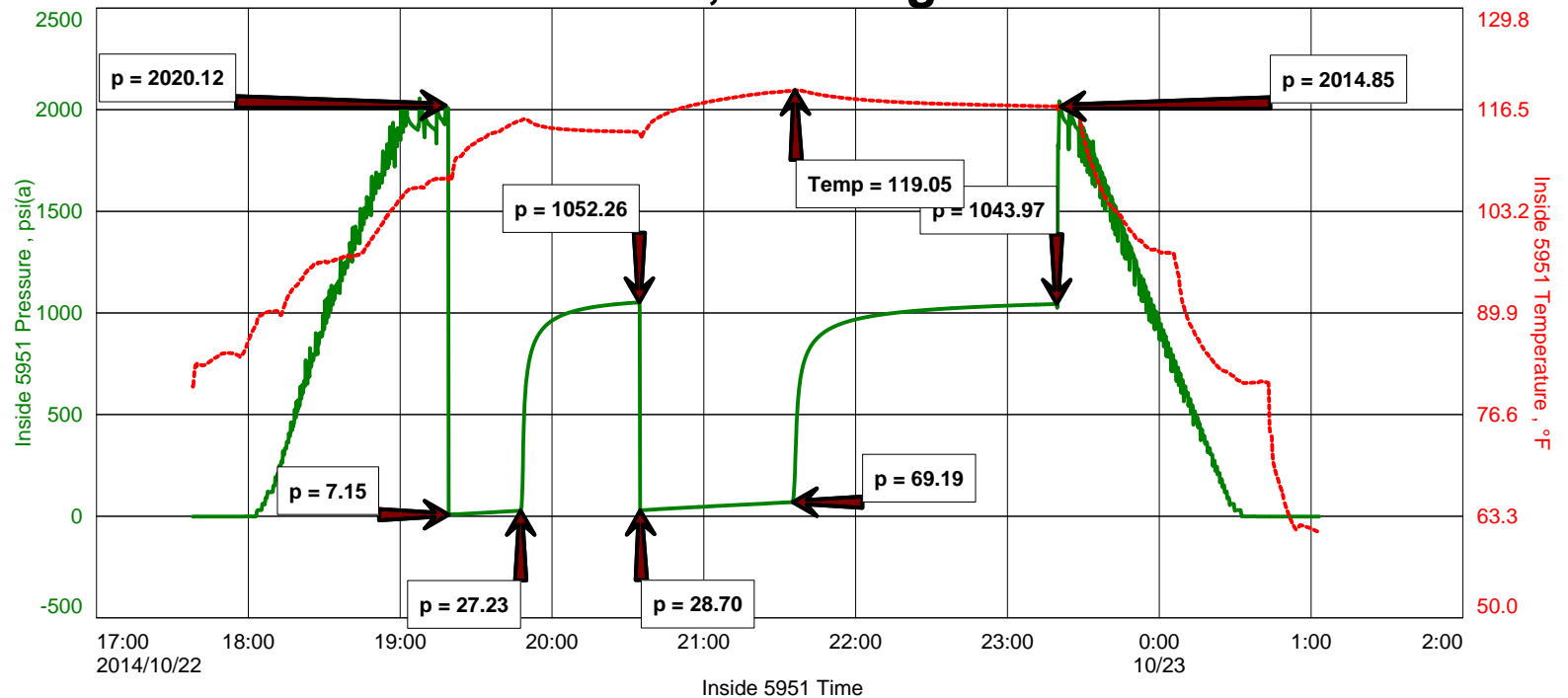
Initial flow, surface blow, increased to 3.5", no blowback.
 Final flow, surface blow, increased to 6.25", no blowback.

RECOVERED 125' OF SMCW 93% wtr, 7% mud
 Tool Sample: SOSW <1% oil, >99% wtr
 Chlorides: 57,000 PPM
 RW: .15 ohm @ 58 F
 PH: 7.0

Grand Mesa Operating Company
 Start Test Date: 2014/10/22
 Final Test Date: 2014/10/23

Parkinson-Gough #1-8
 Formation: Lansing "E" 4092'-4120'
 Job Number: F337

DST #2, Lansing "E"





DIAMOND TESTING

P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

DRILL-STEM TEST TICKET
FILE: PAG01DST2

ON LOCATION: 17:15 10/22
START RECORDERS: 17:38 10/22
STOP RECORDERS: 01:04 10/23

Company GRAND MESA OPERATING Co Lease & Well No. PARKINSON-GOUGH #1-8
Contractor DUKE DRUG #4 Charge to G.M.O.C.
Elevation 3089' NB Formation LANSING E Effective Pay _____ Ft. Ticket No. F337
Date 10/22/14 Sec. 8 Twp. 17S Range 33W County SCOTT State KS
Test Approved By _____ Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 4092 ft. to 4120 ft. Total Depth 4120 ft.
Packer Depth 4087 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Packer Depth 4092 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4070 ft. Recorder Number 5951 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) 4093 ft. Recorder Number 5584 Cap. 5000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 64 (2" CGM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
Weight 9.2 Water Loss 8.0 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
Chlorides 4500 P.P.M. Drill Pipe Length 4059 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 45 J&J Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
Did Well Flow? _____ Reversed Out _____ Anchor Length 28 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2" x 4 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SURFACE BLOW, INC TO 3 1/2". NO BLOWBACK.
2nd Open: SURFACE BLOW, INC TO 6 1/4". NO BLOWBACK.

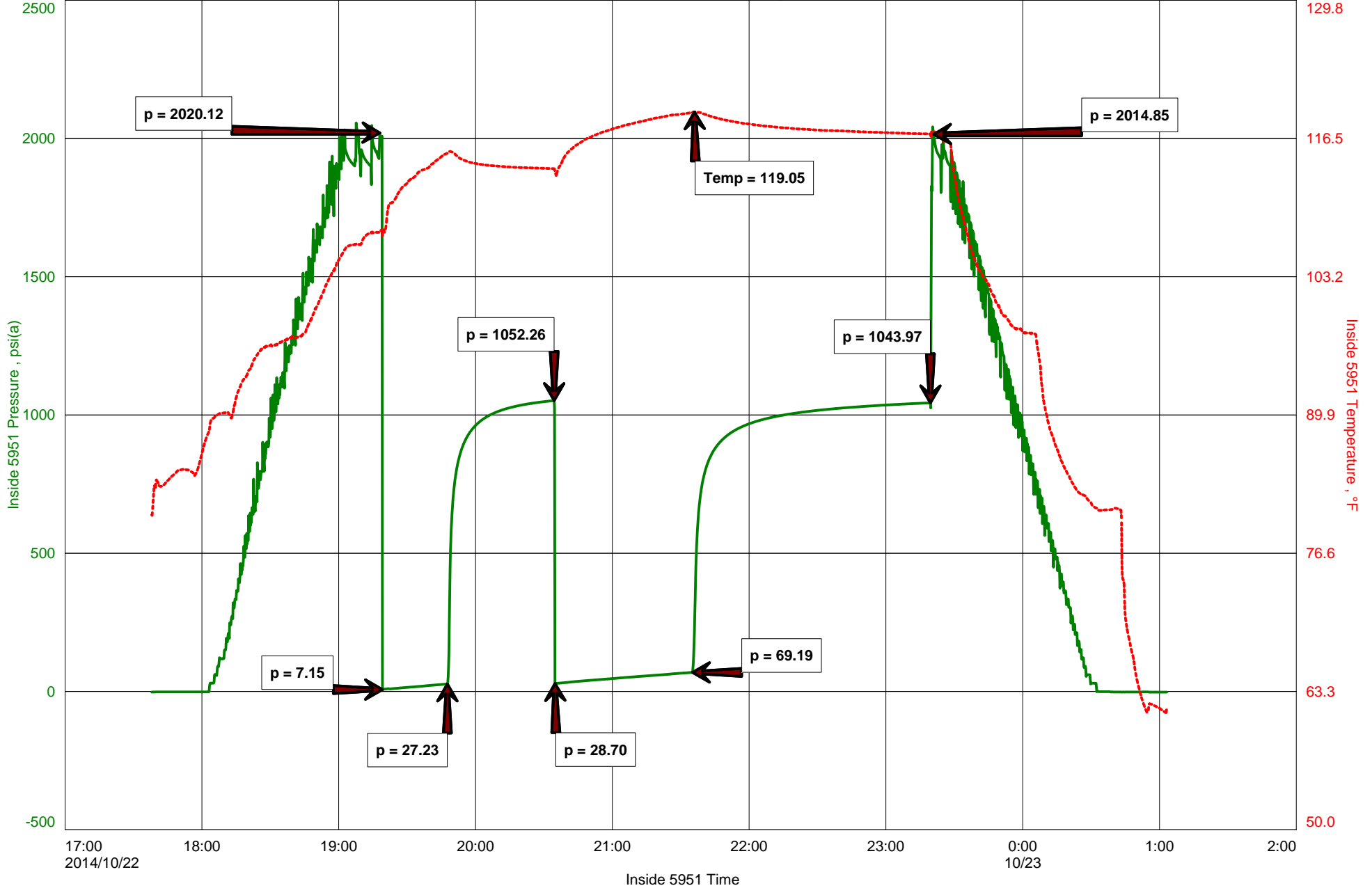
Recovered 125 ft. of SMCW 93" WTR, 7% MUD
Recovered _____ ft. of TOOL SAMPLE: SDSW <1" oil, >99" WTR
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks: CHLORIDES: 57,000 PPM
RW: .15 Ω @ 58°F
PH: 7.0
Price Job _____
Other Charges _____
JARS, S. JOINT
35 ART (SCOT CITY)
Total _____

Time Set Packer(s) 7:20 AM Time Started Off Bottom 11:05 AM Maximum Temperature 119 F
Initial Hydrostatic Pressure..... (A) 2020 P.S.I.
Initial Flow Period..... Minutes 30 (B) 7 P.S.I. to (C) 27 P.S.I.
Initial Closed In Period..... Minutes 45 (D) 1052 P.S.I.
Final Flow Period..... Minutes 60 (E) 29 P.S.I. to (F) 69 P.S.I.
Final Closed In Period..... Minutes 90 (G) 1044 P.S.I. THANKS!
Final Hydrostatic Pressure..... (H) 2015 P.S.I. Jacob & Jan

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 #2, Lansing "E"





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

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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