

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

Well Name	Gudenkauf #1
Formation	Arbuckle 3299'-3314' (3400' TD)
Surface Location	Sec 32-12s-15w-Russell Co.-KS
Company Name	MG Oil Inc
Test Type	Tailpipe Straddle
Gauge Name	Inside 5951
Start Test Date	2014/10/21
Start Test Time	04:14:00
Final Test Date	2014/10/21
Final Test Time	10:23:00
Job Number	F334
Contact	Curt Counts
Site Contact	Steve Reed

TEST RESULTS

Initial flow, blow increased to BOB in 20 minutes. No blowback.
 Final flow, Blow increased to BOB in 25 minutes. No blowback.

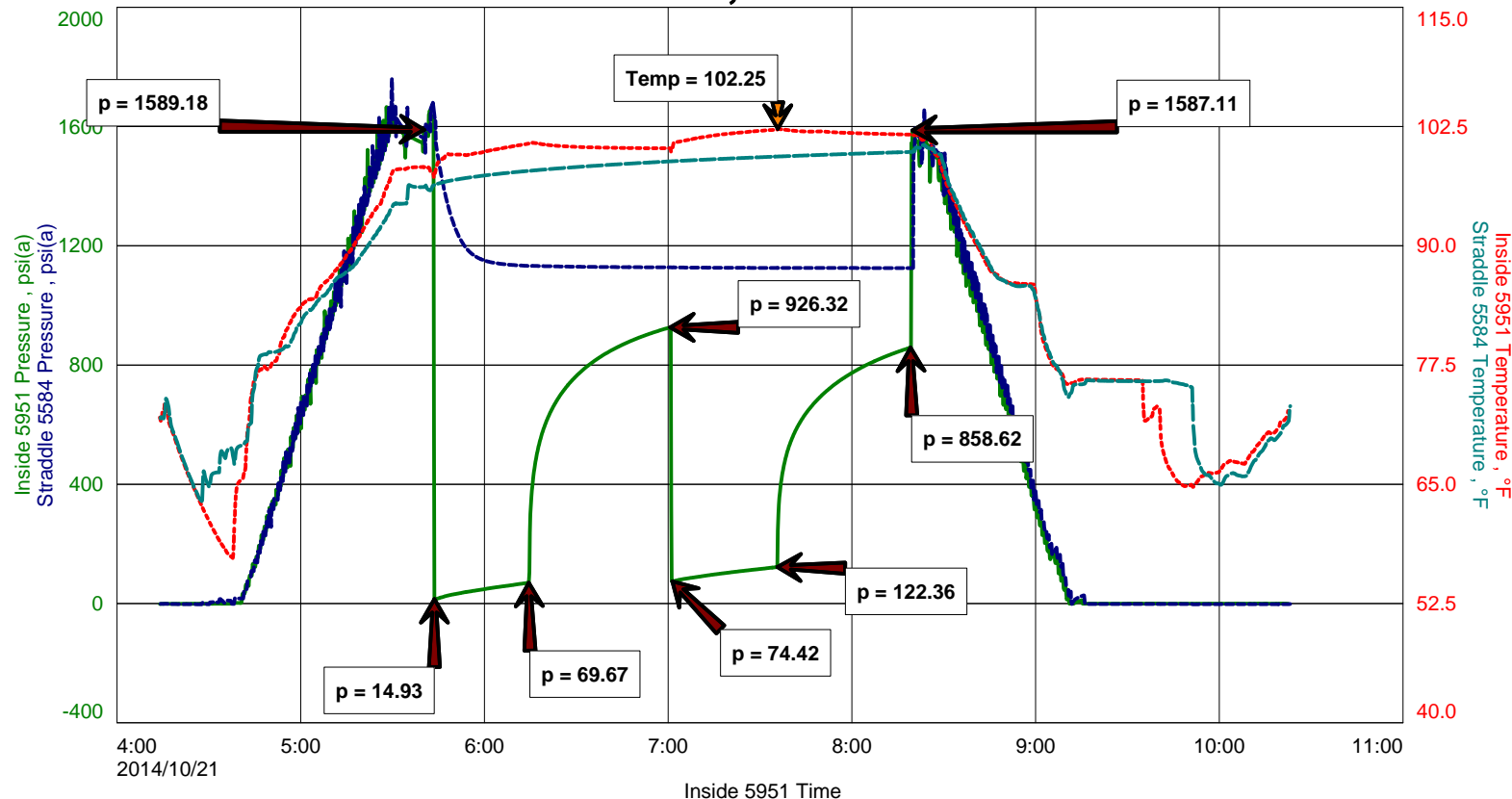
RECOVERED 260' TOTAL FLUID

30'	OIL	100% oil
35'	SWCOM	40% oil, 10% wtr, 50% mud
65'	OCWM	10% oil, 25% wtr, 65% mud
65'	OS SMCW	1% oil, 89% wtr, 10% mud
65'	OSW	1% oil, 99% wtr
GRAVITY: 21 @ 60F RW: .37 ohm @ 53F TOOL SAMPLE: OSW CHLORIDES: 18,000 PPM		

MG Oil Inc
 Start Test Date: 2014/10/21
 Final Test Date: 2014/10/21

Gudenkauf #1
 Formation: Arbuckle 3299'-3314' (3400' TD)
 Job Number: F334

DST #2, Arbuckle





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: GUDF1DST2

ON LOCATION:	<u>02:30</u>
START RECORDERS:	<u>09:14</u>
STOP RECORDERS:	<u>10:23</u>

Company MG OIL INC Lease & Well No. GUDENKAUF #1
 Contractor ROYAL DRILL RIG #2 Charge to MG OIL INC
 Elevation 1841' NB Formation ARBUCKLE Effective Pay _____ Ft. Ticket No. F334
 Date 10-21-14 Sec. 32 Twp. 12S Range 15W County RUSSELL State KANSAS
 Test Approved By STEVE REED Diamond Representative JAKE FAHRENBRUCH

Formation Test No. 2 Interval Tested from 3299 ft. to 3314 ft. Total Depth 3400 ft.
 Packer Depth 3294 ft. Size 6 3/4 in. Packer depth 3314 ft. Size 6 3/4 in.
 Packer Depth 3299 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3285 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3317 ft. Recorder Number 113304 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth 3420 ft. Recorder Number 5584 Cap. 5000 P.S.I.

Mud Type CHEMICAL Viscosity 52 (1 1/2" LCM) Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 8.8 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 9000 P.P.M. Drill Pipe Length 3174 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number _____ Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? _____ Reversed Out _____ Anchor Length 15 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2" X 11 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO B.O.B. IN 20 MIN. NBB
 2nd Open: BLOW INCREASED TO B.O.B. IN 25 MIN. NBB

Recovered <u>30</u> ft. of <u>OIL</u>	<u>100% OIL</u>	
Recovered <u>35</u> ft. of <u>SWCOM</u>	<u>40% OIL, 10% WTR, 50% MUD</u>	
Recovered <u>65</u> ft. of <u>CCWM</u>	<u>10% OIL, 25% WTR, 65% MUD</u>	
Recovered <u>65</u> ft. of <u>OS SMCW</u>	<u>1% OIL, 89% WTR, 10% MUD</u>	
Recovered <u>65</u> ft. of <u>OSW</u>	<u>1% OIL, 99% WTR</u>	Price Job
Recovered _____ ft. of <u>TOTAL RECOVERED FLUID: 260'</u>		Other Charges

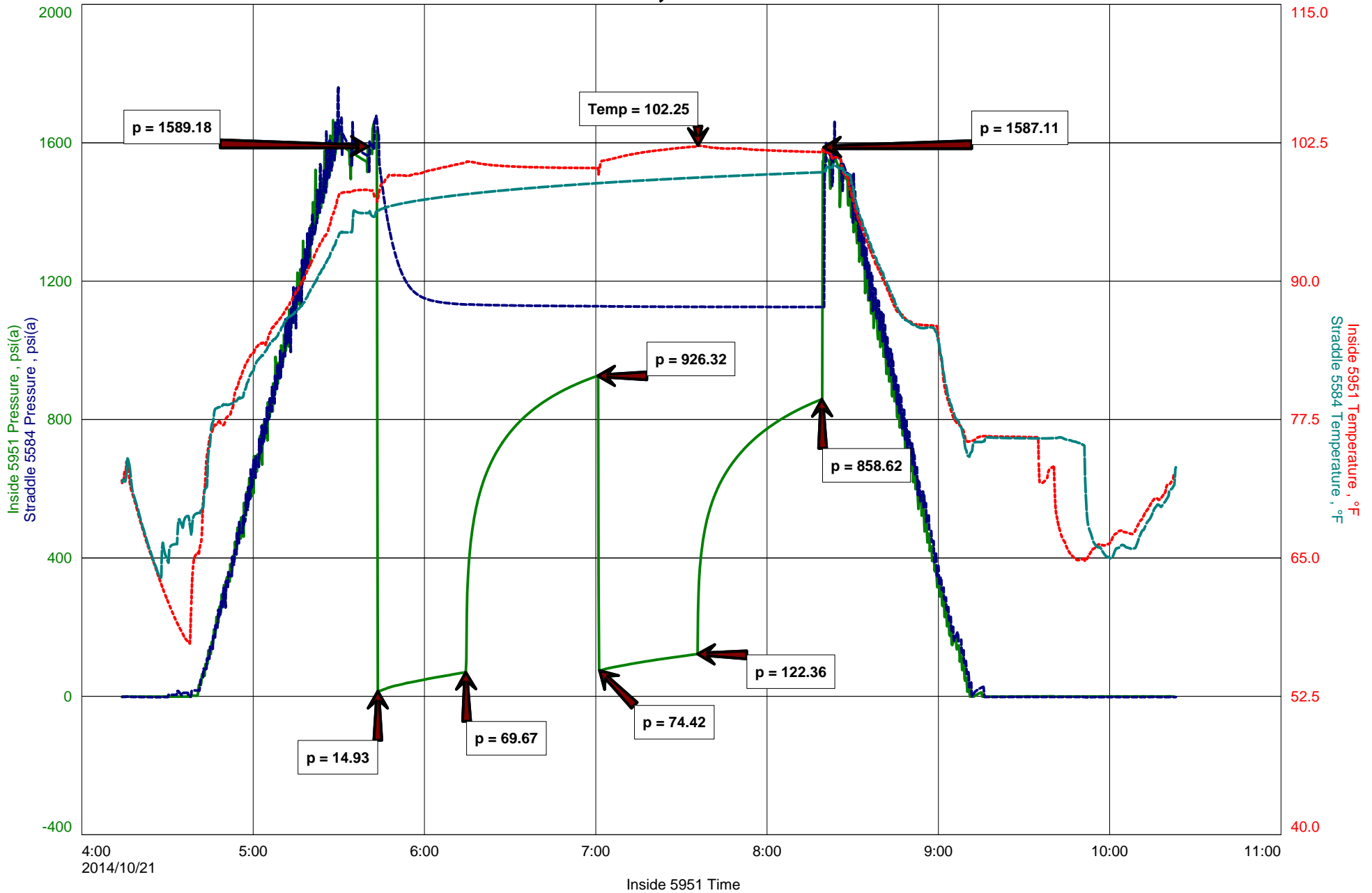
Remarks: GRAVITY: 21 @ 60F
RW: .37 SL @ 53F CHLORIDES: 18,000 PPM
TOOL SAMPLE: OSW
STRADDLE
222 MAT (PRAT)
 Total

Time Set Packer(s) 5:45 ^{AM} ~~PM~~ Time Started Off Bottom 8:15 ^{AM} ~~PM~~ Maximum Temperature 102F

Initial Hydrostatic Pressure.....	(A) <u>1589</u>	P.S.I.
Initial Flow Period..... Minutes	<u>30</u>	(B) <u>15</u> P.S.I. to (C) <u>70</u> P.S.I.
Initial Closed In Period..... Minutes	<u>45</u>	(D) <u>926</u> P.S.I.
Final Flow Period..... Minutes	<u>30</u>	(E) <u>74</u> P.S.I. to (F) <u>122</u> P.S.I.
Final Closed In Period..... Minutes	<u>45</u>	(G) <u>859</u> P.S.I. <u>Thanks!</u>
Final Hydrostatic Pressure.....	(H) <u>1587</u>	P.S.I. <u>Jake Fahrenbruch</u>

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, Arbuckle





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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