

DIAMOND TESTING GENERAL REPORT

Jake Fahrenbruch, Tester

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



TEST INFORMATION

Well Name	Gudenkauf #1
Formation	L,KC "I&J" 3152'-3199' (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	12:01:00
Final Test Date	2014/10/21
Final Test Time	18:22:00
Job Number	F335
Contact	Curt Counts
Site Contact	Steve Reed

TEST RESULTS

Initial flow, blow increased to BOB in 9 minutes. Surface blowback.
Final flow, blow increased to BOB in 3.75 minutes. Blowback @ .5".

TOTAL RECOVERED FLUID: 165'

GAS IN PIPE: 640'

15' Clean Oil

100% oil

110' HGCOM

25% gas, 30% oil, 45% mud

40' GCOSWM

10% gas, 2% oil, 43% wtr, 45% mud

TOOL SAMPLE: MCWO 50% oil, 35% wtr, 15% mud

GRAVITY: 40 @ 60F

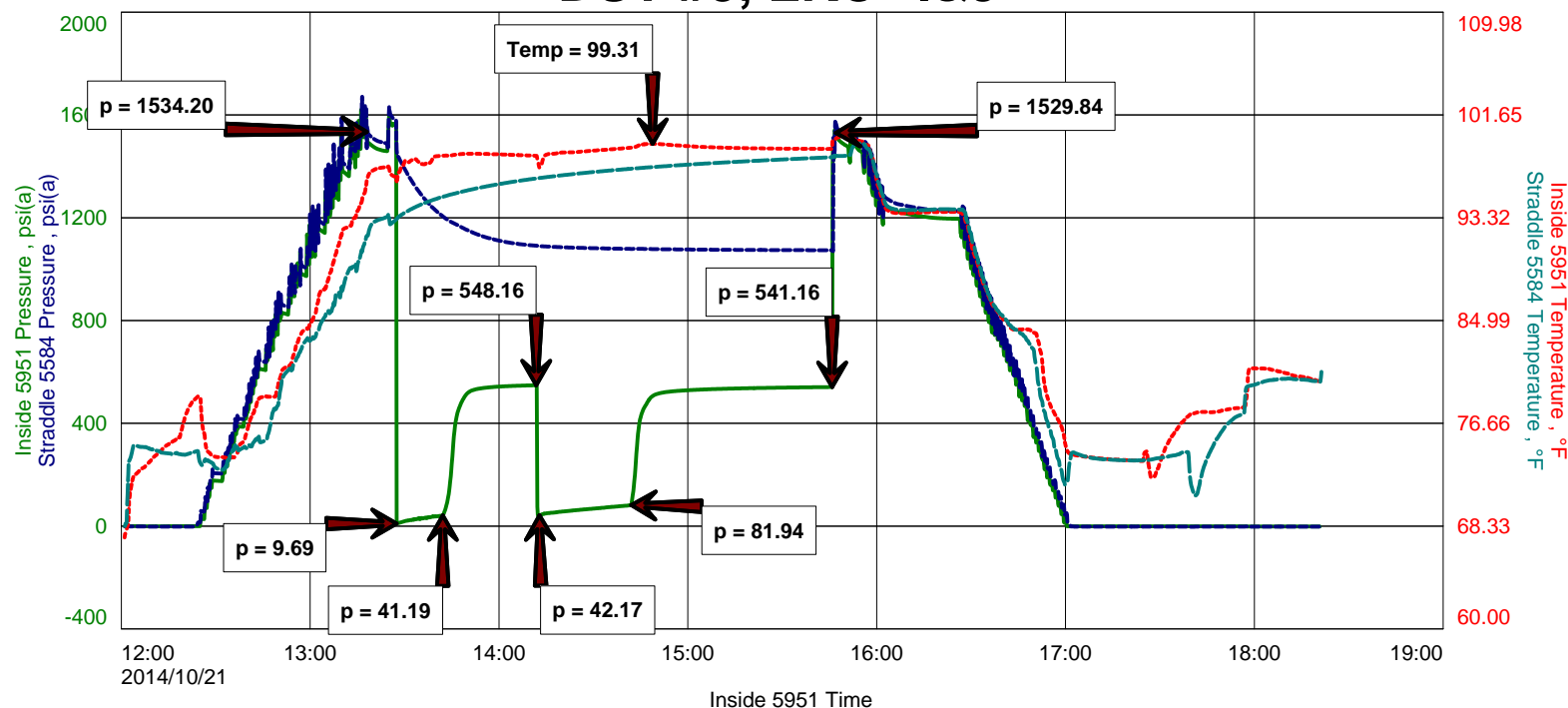
Chlorides: 23,000 PPM

RW: .17 ohm @ 81F

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

Gudenkauf #1
Formation: L,KC "I&J" 3152'-3199' (3400' TD)
Job Number: F335

DST #3, LKC "I&J"





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

ON LOCATION: _____
 START RECORDERS: 12:01
 STOP RECORDERS: 18:22

Company MG OIL INC Lease & Well No. GUDENKAUF #1
 Contractor ROYAL DRILL REG #2 Charge to MG OIL INC
 Elevation 1841' KB Formation L, KC "I&J" Effective Pay _____ Ft. Ticket No. F335
 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. 3 Interval Tested from 3152 ft. to 3199 ft. Total Depth 3400 ft.
 Packer Depth 3147 ft. Size 6 3/4 in. Packer depth 3199 ft. Size 6 3/4 in.
 Packer Depth 3152 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3138 ft. Recorder Number 5951 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3195 ft. Recorder Number 11034 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth 3204 ft. Recorder Number 5584 Cap. 5000 P.S.I.
 Mud Type CHEMICAL Viscosity 52 (1 1/2 "/u>

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 3127 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 47 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 9" PERF IN ANCHOR in. Bottom Choke Size 5/8 in.

Blow: 1st Open: BLOW INCREASED TO BOB IN 9 MINUTES. SFC BB
 2nd Open: BLOW INCREASED TO BOB IN 3 3/4 MINUTES. 1/2" BB
 Recovered 15 ft. of CLEAN OIL 100" oil
 Recovered 110 ft. of HGCCOM 25" gas, 30" oil, 45" mud
 Recovered 40 ft. of GCCOSWM 10" gas, 2" oil, 43" wtr, 45" mud
 Recovered _____ ft. of 640' GAS IN PIPE

Recovered _____ ft. of TOTAL RECOVERED FLUID: 165' Price Job _____
 Recovered _____ ft. of TOOL SAMPLE: MCWO 50%, 35% w, 15% m Other Charges _____
 Remarks: GRAVITY: 40 @ 60°F STRADDLE
CHLORIDES: 23,000 PPM 34 ART (RUSSELL)
RW: .17 SL @ 81°F Total _____

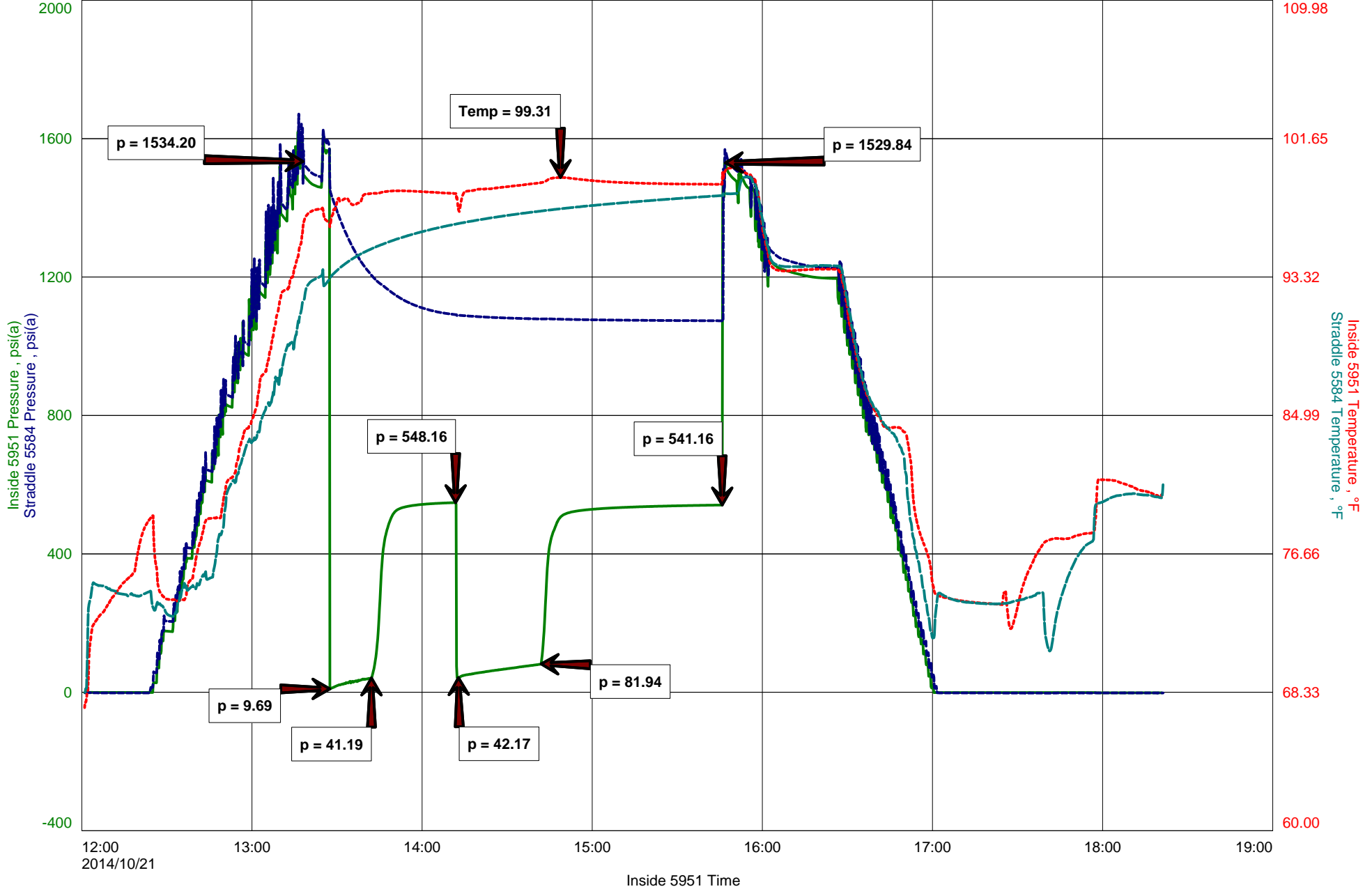
Time Set Packer(s) 1:28 AM Time Started Off Bottom 3:43 AM Maximum Temperature 99°F
 Initial Hydrostatic Pressure..... (A) 1534 P.S.I.
 Initial Flow Period..... Minutes 15 (B) 10 P.S.I. to (C) 41 P.S.I.
 Initial Closed In Period..... Minutes 30 (D) 548 P.S.I.
 Final Flow Period..... Minutes 30 (E) 42 P.S.I. to (F) 82 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 541 P.S.I. Thanks!
 Final Hydrostatic Pressure..... (H) 1530 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.

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

Gudenukauf #1
Formation: L,KC "I&J" 3152'-3199' (3400' TD)
Job Number: F335

DST #3, LKC "I&J"





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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