



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No. 14830  
Call UK

P. O. BOX 1599 PHONE (316) 262-5861  
WICHITA, KANSAS 67201

Elevation 1994 KB Formation Conglomerate Eff. Pay      Ft.

District PRATT Date 7-17-81 Customer Order No.     

COMPANY NAME Gould Oil Co. Inc. & Log Line

ADDRESS 260 N. Rock Rd. Suite 20 Rockborough Rd Wichita Ks 67206

LEASE AND WELL NO. Lee #1-2 COUNTY Barber STATE Kansas Sec. 4 Twp. 30S Rge. 15W

Mail Invoice To Same Co. Name      Address      No. Copies Requested Req

Mail Charts To Same Co. Name      Address      No. Copies Requested Req

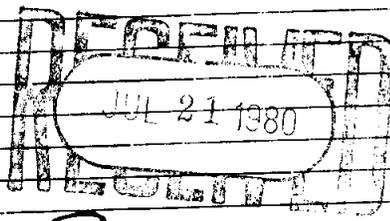
Formation Test No. 1 Interval Tested from 4532 ft. to 4604 ft. Total Depth 4604 ft.  
Packer Depth 4527 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.  
Packer Depth 4532 ft. Size 6 3/4 in. Packer Depth      ft. Size      in.

Depth of Selective Zone Set       
Top Recorder Depth (Inside) 4537 ft. Recorder Number 2606 Cap. 4150  
Bottom Recorder Depth (Outside) 4540 ft. Recorder Number 4332 Cap. 4200  
Below Straddle Recorder Depth      ft. Recorder Number      Cap.     

Drilling Contractor Eagle Drilling #1 Drill Collar Length 554 I. D. 2 1/4 in.  
Mud Type DRYPAC Viscosity 48 Weight Pipe Length      I. D.      in.  
Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 3980 I. D. 3.8 in.  
Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 520D in.  
Jars: Make WTC Serial Number 409 Anchor Length 42 + 30 ft. Size 5 1/2 + DG  
Did Well Flow? NO Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: Strong blow through out test - gas to surface in 8 minutes - see flow chart attached sheet for gas measurement.

Recovered 2745 ft. of gassy oil in pipe  
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Recovered      ft. of       
Remarks:     



Time On Location 11:30 AM Time Pick Up Tool 2:00 PM Time Off Location      AM/PM  
Time Set Packer(s) 4:00 AM Time Started Off Bottom 10:00 PM Maximum Temperature 126 °F  
Initial Hydrostatic Pressure      (A) 2292 P.S.I.  
Initial Flow Period 60 Minutes (B) 187 P.S.I. to (C) 468 P.S.I.  
Initial Closed In Period 60 Minutes (D) 1298 P.S.I.  
Final Flow Period 120 Minutes (E) 608 P.S.I. to (F) 935 P.S.I.  
Final Closed In Period 120 Minutes (G) 1246 P.S.I.  
Final Hydrostatic Pressure      (H) 2219 P.S.I.

COMPANY TERMS

Western Testing Co., Inc. 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.  
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By H. Clark  
Signature of customer or his authorized representative  
Western Representative Paul Litt - Shanker

FIELD INVOICE

Open Hole Test 700.00  
Misrun \$       
Straddle Test \$       
Jars 300.00  
Selective Zone \$       
Safety Joint 65.00  
Standby \$       
Evaluation \$       
Extra Packer \$       
Circ. Sub. 35.00  
Mileage 352625  
Fluid Sampler \$       
Extra Charts \$       
Insurance 50.00  
TOTAL 1176.25



**GAS FLOW REPORT**

**No 2049**

Date 7-17-81 Ticket 14830 Company Gould Oil Co  
 Well Name and No. hec 1-6 Dst No. 1 Interval Tested 4532-4604  
 County BARBER State KANSAS Sec. 4 Twp. 30s Rg. 15w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitor Tester	P.S.I. on Side Static Tester	Description of Flow
<b>PRE FLOW</b>					
	Inches of water				
08		1/2"			gas to surface
10	30 inches	}			34,300 CFPD
20	20				28,000 CFPD
30	10				17,200
40	9				12,800
50	8				17,200
60	8				17,200

<b>SECOND FLOW</b>					
	Inches of water				
10	26	1/2"			31,900 CFPD
20	17	}			25,800
30	14				23,200
40	12				21,900
50	12				21,900
60	12				21,900
70	10				19,900
80	10				19,900
90	10				19,900
100	10				19,900
110	10				19,900
120	10				19,900

**GAS BOTTLE**

Serial No. \_\_\_\_\_ Date Bottle Filled \_\_\_\_\_ Date to be Invoiced \_\_\_\_\_

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1% per month, equal to 12% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME \_\_\_\_\_

Authorized by \_\_\_\_\_

WESTERN TESTING CO., INC.

Pressure Data

Date: 7-17 Test Ticket No. 14830  
 Recorder No. 2606 Capacity 4150 Location 4537 Ft  
 Clock No.      Elevation 1994 KB Well Temperature 126 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2272</u> P.S.I.	<u>4:00</u> A M	
B First Initial Flow Pressure	<u>177</u> P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>475</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1271</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>585</u> P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>925</u> P.S.I.		
G Final Closed-in Pressure	<u>1244</u> P.S.I.		
H Final Hydrostatic Mud	<u>2219</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>40</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>0</u>	<u>475</u>	<u>0</u>	<u>585</u>	<u>0</u>	<u>925</u>
P 2	<u>5</u>	<u>3</u>	<u>1000</u>	<u>5</u>	<u>585</u>	<u>3</u>	<u>1079</u>
P 3	<u>10</u>	<u>6</u>	<u>1079</u>	<u>10</u>	<u>585</u>	<u>6</u>	<u>1104</u>
P 4	<u>15</u>	<u>9</u>	<u>1118</u>	<u>15</u>	<u>591</u>	<u>9</u>	<u>1122</u>
P 5	<u>20</u>	<u>12</u>	<u>1139</u>	<u>20</u>	<u>606</u>	<u>12</u>	<u>1132</u>
P 6	<u>25</u>	<u>15</u>	<u>1157</u>	<u>25</u>	<u>624</u>	<u>15</u>	<u>1143</u>
P 7	<u>30</u>	<u>18</u>	<u>1174</u>	<u>30</u>	<u>645</u>	<u>18</u>	<u>1150</u>
P 8	<u>35</u>	<u>21</u>	<u>1184</u>	<u>35</u>	<u>666</u>	<u>21</u>	<u>1157</u>
P 9	<u>40</u>	<u>24</u>	<u>1195</u>	<u>40</u>	<u>686</u>	<u>24</u>	<u>1164</u>
P10	<u>45</u>	<u>27</u>	<u>1205</u>	<u>45</u>	<u>707</u>	<u>27</u>	<u>1169</u>
P11	<u>50</u>	<u>30</u>	<u>1215</u>	<u>50</u>	<u>728</u>	<u>30</u>	<u>1172</u>
P12	<u>55</u>	<u>33</u>	<u>1221</u>	<u>55</u>	<u>746</u>	<u>33</u>	<u>1176</u>
P13	<u>60</u>	<u>36</u>	<u>1231</u>	<u>60</u>	<u>763</u>	<u>36</u>	<u>1180</u>
P14		<u>39</u>	<u>1238</u>	<u>65</u>	<u>780</u>	<u>39</u>	<u>1182</u>
P15		<u>42</u>	<u>1242</u>	<u>70</u>	<u>796</u>	<u>42</u>	<u>1186</u>
P16		<u>45</u>	<u>1246</u>	<u>75</u>	<u>813</u>	<u>45</u>	<u>1190</u>
P17		<u>48</u>	<u>1253</u>	<u>80</u>	<u>827</u>	<u>48</u>	<u>1196</u>
P18		<u>51</u>	<u>1259</u>	<u>85</u>	<u>840</u>	<u>51</u>	<u>1198</u>
P19		<u>54</u>	<u>1265</u>	<u>90</u>	<u>854</u>	<u>54</u>	<u>1201</u>
P20		<u>57</u>	<u>1269</u>	<u>95</u>	<u>867</u>	<u>57</u>	<u>1203</u>
		<u>60</u>	<u>1271</u>	<u>100</u>	<u>879</u>	<u>60</u>	<u>1205</u>

omit

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date \_\_\_\_\_

Test Ticket No. 14830

Recorder No. \_\_\_\_\_ Capacity \_\_\_\_\_ Location \_\_\_\_\_ Ft

Clock No. \_\_\_\_\_ Elevation \_\_\_\_\_ Well Temperature \_\_\_\_\_ °F

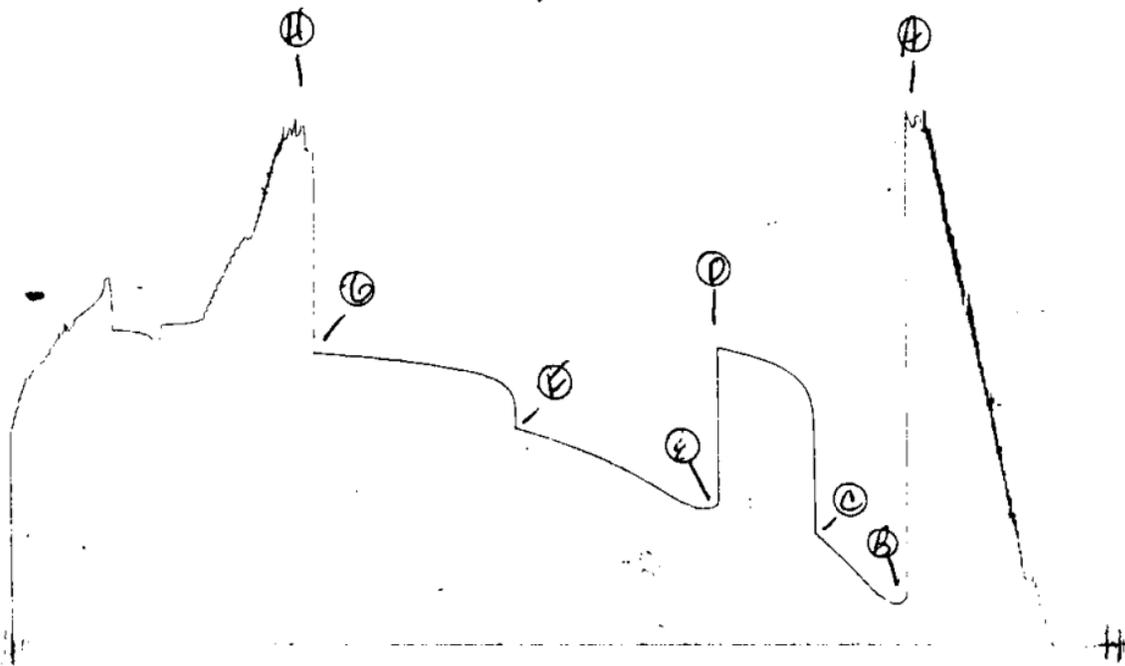
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____ P.S.I.		Open Tool		M _____
B First Initial Flow Pressure _____ P.S.I.		First Flow Pressure	_____ Mins.	_____ Mins.
C First Final Flow Pressure _____ P.S.I.		Initial Closed-in Pressure	_____ Mins.	_____ Mins.
D Initial Closed-in Pressure _____ P.S.I.		Second Flow Pressure	_____ Mins.	_____ Mins.
E Second Initial Flow Pressure _____ P.S.I.		Final Closed-in Pressure	_____ Mins.	_____ Mins.
F Second Final Flow Pressure _____ P.S.I.				
G Final Closed-in Pressure _____ P.S.I.				
H Final Hydrostatic Mud _____ P.S.I.				

**PRESSURE BREAKDOWN**

Point Mins.	First Flow Pressure	Initial Shut-In	Second Flow Pressure	Final Shut-In
	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	Breakdown: _____ Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
	Press.	Point Minutes	Press.	Point Minutes
P 1 _____	_____	63	_____	63
P 2 _____	_____	66	_____	66
P 3 _____	_____	69	_____	69
P 4 _____	_____	72	_____	72
P 5 _____	_____	75	_____	75
P 6 _____	_____	78	_____	78
P 7 _____	_____	81	_____	81
P 8 _____	_____	84	_____	84
P 9 _____	_____	87	_____	87
P10 _____	_____	90	_____	90
P11 _____	_____	93	_____	93
P12 _____	_____	96	_____	96
P13 _____	_____	99	_____	99
P14 _____	_____	102	_____	102
P15 _____	_____	105	_____	105
P16 _____	_____	108	_____	108
P17 _____	_____	111	_____	111
P18 _____	_____	114	_____	114
P19 _____	_____	117	_____	117
P20 _____	_____	120	_____	120

2606 DST #1

TKT #14830  
I



Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Lee #1  
 Elevation 1994 Kelly Bush. Formation Conglomerate Effective Pay - Ft. Ticket No. 14830  
 Date 7-17-81 Sec. 4 Twp. 30S Range 15W County Barber State Kansas  
 Test Approved by H. Clark Western Representative Rod Tritt

Formation Test No. 1 Interval Tested from 4532 ft. to 4604 ft. Total Depth 4604 ft.  
 Packer Depth 4527 ft. Size 6 3/4 in. Packer Depth 4532 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4537 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 4540 ft. Recorder Number 4332 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Eagle Drilling (#1) Drill Collar Length 554 I. D. 2.25 in.  
 Mud Type Drispac Viscosity 48 Weight Pipe Length - I. D. - in.  
 Weight 9.4 Water Loss 8.0 cc. Drill Pipe Length 3980 I. D. 3.8 in.  
 Chlorides 10,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Jars: Make W.T.C. Serial Number 409 Anchor Length 42+30 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out Yes Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong blow throughout test. Gas to surface in 8 minutes. See attached sheet for gas measurements.

Recovered 2745 ft. of gassy oil in pipe  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

Time Set Packer(s) 4:00 <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 10:00 <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 126  
 Initial Hydrostatic Pressure ..... (A) 2272 P.S.I.  
 Initial Flow Period ..... Minutes 55 (B) 177 P.S.I. to (C) 475 P.S.I.  
 Initial Closed In Period ..... Minutes 60 (D) 1271 P.S.I.  
 Final Flow Period ..... Minutes 120 (E) 585 P.S.I. to (F) 925 P.S.I.  
 Final Closed In Period ..... Minutes 120 (G) 1244 P.S.I.  
 Final Hydrostatic Pressure ..... (H) 2219 P.S.I.

## GAS FLOW REPORT

Date 7-17-81 Ticket 14830 Company Gould Oil, Inc. & Logo, Inc.  
 Well Name and No. Lee #1 Dst No. 1 Interval Tested 4532' - 4604'  
 County Barber State Kansas Sec. 4 Twp. 30S Rg. 15W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Meria Orifice Well Tester	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	P.S.I. on U-Tube Tester	Description of Flow
<b>Gas to surface in 8 minutes. PRE FLOW</b>						
10min.	30" of water		1/2" orifice			34,300 C.F.P.D.
20 min.	20" of water		1/2" orifice			28,000 C.F.P.D.
30 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
40 min.	9" of water		1/2" orifice			18,800 C.F.P.D.
50 min.	8" of water		1/2" orifice			17,200 C.F.P.D.
60 min.	8" of water		1/2" orifice			17,200 C.F.P.D.

<b>SECOND FLOW</b>						
10 min.	26" of water		1/2" orifice			31,900 C.F.P.D.
20 min.	17" of water		1/2" orifice			25,800 C.F.P.D.
30 min.	14" of water		1/2" orifice			23,700 C.F.P.D.
40 min.	12" of water		1/2" orifice			21,900 C.F.P.D.
50 min.	12" of water		1/2" orifice			21,900 C.F.P.D.
60 min.	12" of water		1/2" orifice			21,900 C.F.P.D.
70 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
80 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
90 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
100 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
110 min.	10" of water		1/2" orifice			19,900 C.F.P.D.
120min.	10" of water		1/2" orifice			19,900 C.F.P.D.

### GAS BOTTLE

Serial No. \_\_\_\_\_ Date Bottle Filled \_\_\_\_\_ Date to be Invoiced \_\_\_\_\_

Requisition and Provisions for high pressure stainless steel gas bottles. Western Testing Co., Inc. shall not be liable for damage of any kind to property or personnel of the one whom gas bottle is filled or for any loss suffered or sustained directly or indirectly through the use of these bottles. By signing of this ticket showing receipt of a gas testing bottle, the undersigned agrees for himself and as agent for operator, to return this bottle to Western Testing Co., Inc. within thirty (30) days free of charge, or be invoiced in the amount of \$75.00 (total charge). Should valve or seal plug be missing or damaged beyond repair, operator shall be invoiced for repairs at our invoiced price.

All charges subject to 1 1/2% per month, equal to 18% interest per annum after 30 days from date of invoice. Any expense incurred for collection will be added to the original amount.

COMPANY'S NAME Gould Oil, Inc. and Logo, Inc.  
 Authorized by H. Clark

**WESTERN TESTING CO., INC.**  
**Pressure Data**

Date 7/17/81 Test Ticket No. 14830  
 Recorder No. 2606 Capacity 4150 Location 4537 Ft.  
 Clock No. - Elevation 1994 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2272</u>	P.S.I.	<u>4:00A</u>	<u>M</u>
B First Initial Flow Pressure	<u>177</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>475</u>	P.S.I.	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1271</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>585</u>	P.S.I.	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>925</u>	P.S.I.		
G Final Closed-in Pressure	<u>1244</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2219</u>	P.S.I.		

**PRESSURE BREAKDOWN**

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>11</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>24</u> Inc.		Breakdown: <u>40</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>177</u>	<u>0</u>	<u>475</u>	<u>0</u>	<u>585</u>	<u>0</u>	<u>925</u>
P 2 <u>5</u>	<u>177</u>	<u>3</u>	<u>1000</u>	<u>5</u>	<u>585</u>	<u>3</u>	<u>1079</u>
P 3 <u>10</u>	<u>181</u>	<u>6</u>	<u>1079</u>	<u>10</u>	<u>585</u>	<u>6</u>	<u>1104</u>
P 4 <u>15</u>	<u>204</u>	<u>9</u>	<u>1118</u>	<u>15</u>	<u>591</u>	<u>9</u>	<u>1122</u>
P 5 <u>20</u>	<u>231</u>	<u>12</u>	<u>1139</u>	<u>20</u>	<u>606</u>	<u>12</u>	<u>1132</u>
P 6 <u>25</u>	<u>266</u>	<u>15</u>	<u>1157</u>	<u>25</u>	<u>624</u>	<u>15</u>	<u>1143</u>
P 7 <u>30</u>	<u>308</u>	<u>18</u>	<u>1174</u>	<u>30</u>	<u>645</u>	<u>18</u>	<u>1150</u>
P 8 <u>35</u>	<u>339</u>	<u>21</u>	<u>1184</u>	<u>35</u>	<u>666</u>	<u>21</u>	<u>1157</u>
P 9 <u>40</u>	<u>381</u>	<u>24</u>	<u>1195</u>	<u>40</u>	<u>686</u>	<u>24</u>	<u>1164</u>
P10 <u>45</u>	<u>408</u>	<u>27</u>	<u>1205</u>	<u>45</u>	<u>707</u>	<u>27</u>	<u>1169</u>
P11 <u>50</u>	<u>444</u>	<u>30</u>	<u>1215</u>	<u>50</u>	<u>728</u>	<u>30</u>	<u>1172</u>
P12 <u>55</u>	<u>475</u>	<u>33</u>	<u>1221</u>	<u>55</u>	<u>746</u>	<u>33</u>	<u>1176</u>
P13		<u>36</u>	<u>1231</u>	<u>60</u>	<u>763</u>	<u>36</u>	<u>1180</u>
P14		<u>39</u>	<u>1238</u>	<u>65</u>	<u>780</u>	<u>39</u>	<u>1182</u>
P15		<u>42</u>	<u>1242</u>	<u>70</u>	<u>796</u>	<u>42</u>	<u>1186</u>
P16		<u>45</u>	<u>1246</u>	<u>75</u>	<u>813</u>	<u>45</u>	<u>1190</u>
P17		<u>48</u>	<u>1253</u>	<u>80</u>	<u>827</u>	<u>48</u>	<u>1196</u>
P18		<u>51</u>	<u>1259</u>	<u>85</u>	<u>840</u>	<u>51</u>	<u>1198</u>
P19		<u>54</u>	<u>1265</u>	<u>90</u>	<u>854</u>	<u>54</u>	<u>1201</u>
P20		<u>57</u>	<u>1269</u>	<u>95</u>	<u>867</u>	<u>57</u>	<u>1203</u>
WTC - 4		<u>60</u>	<u>1271</u>	<u>100</u>	<u>879</u>	<u>60</u>	<u>1205</u>

CONT'D NEXT PAGE

CONT'D NEXT PAGE

**WESTERN TESTING CO., INC.**  
Pressure Data

Date 7/17/81 Test Ticket No. 14830  
 Recorder No. 2606 Capacity 4150 Location 4537 Ft.  
 Clock No. - Elevation 1994 Kelly Bushing Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2272</u> P.S.I.	Open Tool	<u>4:00A</u> M	
B First Initial Flow Pressure	<u>177</u> P.S.I.	First Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
C First Final Flow Pressure	<u>475</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1271</u> P.S.I.	Second Flow Pressure	<u>120</u> Mins.	<u>120</u> Mins.
E Second Initial Flow Pressure	<u>585</u> P.S.I.	Final Closed-in Pressure	<u>120</u> Mins.	<u>120</u> Mins.
F Second Final Flow Pressure	<u>925</u> P.S.I.			
G Final Closed-in Pressure	<u>1244</u> P.S.I.			
H Final Hydrostatic Mud	<u>2219</u> P.S.I.			

**PRESSURE BREAKDOWN**

<b>First Flow Pressure</b> Breakdown: <u>11</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Initial Shut-In</b> Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	<b>Second Flow Pressure</b> Breakdown: <u>24</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.	<b>Final Shut-In</b> Breakdown: <u>40</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1				105	892	63	1208
P 2				110	902	66	1211
P 3				115	913	69	1213
P 4				120	925	72	1215
P 5						75	1218
P 6						78	1221
P 7						81	1224
P 8						84	1227
P 9						87	1229
P10						90	1231
P11						93	1233
P12						96	1235
P13						99	1236
P14						102	1237
P15						105	1238
P16						108	1240
P17						111	1241
P18						114	1242
P19						117	1243
P20						120	1244



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 14831

P. O. BOX 1599 PHONE (316) 262-5861  
WICHITA, KANSAS 67201

Elevation 1994 KB Formation Miss Eff. Pay \_\_\_\_\_ Ft.

District PCAT Date 7-18-81 Customer Order No. \_\_\_\_\_

COMPANY NAME Goild Oil Co Inc + Logo Inc  
ADDRESS 260 N Rock Rd Suite 210 Rockborough Bldg Wichita Ks 67206

LEASE AND WELL NO. See #1 COUNTY Barber STATE Kans Sec 4 Twp 30S Rge 15W

Mail Invoice To Same Address \_\_\_\_\_ No. Copies Requested 5  
Co. Name \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested 5

Mail Charts To \_\_\_\_\_ Address \_\_\_\_\_ No. Copies Requested 5

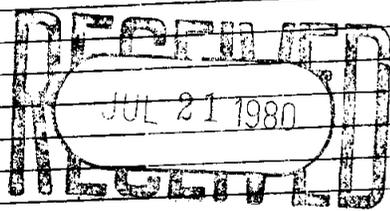
Formation Test No. 8 Interval Tested from 4613 ft. to 4637 ft. Total Depth 4637 ft.  
Packer Depth 4608 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
Packer Depth 4613 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 4617 ft. Recorder Number 2606 Cap. 4150  
Bottom Recorder Depth (Outside) 4620 ft. Recorder Number 4332 Cap. 4200  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Eagle Drilling Rgt Drill Collar Length 554 I. D. 2 1/4 in.  
Mud Type Despac Viscosity 576 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.  
Weight 7.2 Water Loss 7.6 cc. Drill Pipe Length 403 1/2 I. D. 3.8 in.  
Chlorides 12,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 in.  
Jars: Make WTC Serial Number 409 Anchor Length 24 ft. Size 5 1/2 in.  
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow: Weak blow decreasing to very weak on initial flow  
with a few bubbles and final flow point

Recovered 10' ft. of Drilling mud  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Remarks: \_\_\_\_\_



Time On Location <u>12:30</u> <sup>AM</sup> / <sub>PM</sub>	Time Pick Up Tool <u>1:30</u> <sup>AM</sup> / <sub>PM</sub>	Time Off Location <u>10:30</u> <sup>AM</sup> / <sub>PM</sub>
Time Set Packer(s) <u>4:35</u> <sup>AM</sup> / <sub>PM</sub>	Time Started Off Bottom <u>7:35</u> <sup>AM</sup> / <sub>PM</sub>	Maximum Temperature <u>123°</u>
Initial Hydrostatic Pressure _____ (A) <u>2313</u> P.S.I.	Minutes <u>30</u> (B) <u>52</u> P.S.I. to (C) <u>31</u> P.S.I.	
Initial Flow Period _____ Minutes <u>60</u> (D) <u>31</u> P.S.I.	Initial Closed In Period _____ Minutes <u>30</u> (E) <u>31</u> P.S.I. to (F) <u>31</u> P.S.I.	
Final Flow Period _____ Minutes <u>60</u> (G) <u>31</u> P.S.I.	Final Closed In Period _____ Minutes <u>60</u> (H) <u>2271</u> P.S.I.	
Final Hydrostatic Pressure _____		

COMPANY TERMS  
Western Testing Co., Inc. 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.  
All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]  
Signature of Customer or his authorized representative  
Western Representative Red Witt Thank you

FIELD INVOICE

Open Hole Test	\$ <u>7000</u>
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ <u>300.00</u>
Selective Zone	\$ _____
Safety Joint	\$ <u>6500</u>
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ <u>35262</u>
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ <u>NO</u>
TOTAL	\$ <u>109</u>

WESTERN TESTING CO., INC.

Pressure Data

Date 7-18 Test Ticket No. 14831  
 Recorder No. 2606 Capacity 4150 Location 4617 F  
 Clock No.      Elevation 1994 KB Well Temperature 123

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2313</u> P.S.I.	<u>4:35 A.M.</u>	
B First Initial Flow Pressure	<u>28</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Min.
C First Final Flow Pressure	<u>28</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Min.
D Initial Closed-in Pressure	<u>28</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Min.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	<u>60</u> Mins.	<u>60</u> Min.
F Second Final Flow Pressure	<u>28</u> P.S.I.		
G Final Closed-in Pressure	<u>28</u> P.S.I.		
H Final Hydrostatic Mud	<u>2313</u> P.S.I.		

PRESSURE BREAKDOWN

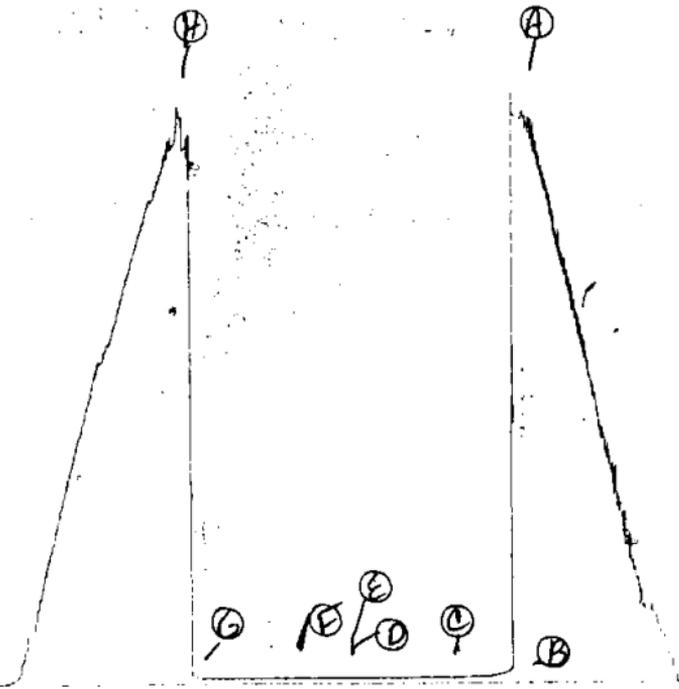
First Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Initial Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.		Second Flow Pressure Breakdown: <u>6</u> Inc. of <u>5</u> mins. and a final inc. of <u>0</u> Min.		Final Shut-In Breakdown: <u>20</u> Inc. of <u>3</u> mins. and a final inc. of <u>0</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>28</u>	0	<u>28</u>	0	<u>28</u>	0	<u>28</u>
P 2		3		5		3	
P 3		6		10		6	
P 4		9		15		9	
P 5		12		20		12	
P 6		15		25		15	
P 7	<u>28</u>	18		30	<u>28</u>	18	
P 8		21		35		21	
P 9		24		40		24	
P10		27		45		27	
P11		30		50		30	
P12		33		55		33	
P13		36		60		36	
P14		39		65		39	
P15		42		70		42	
P16		45		75		45	
P17		48		80		48	
P18		51		85		51	
P19		54		90		54	
P20		57				57	
		60	<u>28</u>			60	<u>28</u>

2606

NPT#2

TKT # 14831

I



Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Lee #1  
 Elevation 1994 Kelly Bush. Formation Mississippi Effective Pay - Ft. Ticket No. 14831  
 Date 7-18-81 Sec. 4 Twp. 30S Range 15W County Barber State Kansas  
 Test Approved by H. Clark Western Representative Rod Tritt

Formation Test No. 2 Interval Tested from 4613 ft. to 4637 ft. Total Depth 4637 ft.  
 Packer Depth 4608 ft. Size 6 3/4 in. Packer Depth 4613 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4617 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 4620 ft. Recorder Number 4332 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Eagle Drilling (#1)  
 Mud Type Drispac Viscosity 54  
 Weight 9.2 Water Loss 9.6 cc.  
 Chlorides 12,000 P.P.M.  
 Jars: Make W.T.C. Serial Number 409  
 Did Well Flow? No Reversed Out No  
 Drill Collar Length 554 I. D. 2.25 in.  
 Weight Pipe Length - I. D. - in.  
 Drill Pipe Length 4031 I. D. 3.8 in.  
 Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Anchor Length 24 ft. Size 5 1/2 OD in.  
 Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow decreasing to very weak on initial flow period. Just a few bubbles on final flow period.

Recovered 10 ft. of drilling mud  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -  
 Recovered - ft. of -

Remarks: -

Time Set Packer(s)	<u>4:35</u>	<u>A.M.</u> <del>P.M.</del>	Time Started Off Bottom	<u>7:35</u>	<u>A.M.</u> <del>P.M.</del>	Maximum Temperature	<u>123°F</u>
Initial Hydrostatic Pressure			(A)	<u>2313</u>		P.S.I.	
Initial Flow Period		Minutes	<u>30</u>	(B)	<u>28</u>	P.S.I. to (C)	<u>28</u> P.S.I.
Initial Closed In Period		Minutes	<u>60</u>	(D)	<u>28</u>	P.S.I.	
Final Flow Period		Minutes	<u>30</u>	(E)	<u>28</u>	P.S.I. to (F)	<u>28</u> P.S.I.
Final Closed In Period		Minutes	<u>60</u>	(G)	<u>28</u>	P.S.I.	
Final Hydrostatic Pressure			(H)	<u>2313</u>		P.S.I.	

# WESTERN TESTING CO., INC.

## Pressure Data

Date 7/18/81 Recorder No. 2606 Capacity 4150 Test Ticket No. 14831  
 Location 4617 Ft. 123 °F  
 Elevation 1994 Kelly Bushing Well Temperature 123 °F

Point	Pressure	Open Tool	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2313</u> P.S.I.		<u>4:35A</u> M	
B First Initial Flow Pressure	<u>28</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>28</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>28</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>28</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>28</u> P.S.I.			
G Final Closed-in Pressure	<u>28</u> P.S.I.			
H Final Hydrostatic Mud	<u>2313</u> P.S.I.			

### PRESSURE BREAKDOWN

First Flow Pressure  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

Initial Shut-In  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Second Flow Pressure  
 Breakdown: 6 Inc.  
 of 5 mins. and a  
 final inc. of 0 Min.

Final Shut-In  
 Breakdown: 20 Inc.  
 of 3 mins. and a  
 final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>	<u>0</u>	<u>28</u>
P 2 <u>5</u>	<u>28</u>	<u>3</u>	<u>28</u>	<u>5</u>	<u>28</u>	<u>3</u>	<u>28</u>
P 3 <u>10</u>	<u>28</u>	<u>6</u>	<u>28</u>	<u>10</u>	<u>28</u>	<u>6</u>	<u>28</u>
P 4 <u>15</u>	<u>28</u>	<u>9</u>	<u>28</u>	<u>15</u>	<u>28</u>	<u>9</u>	<u>28</u>
P 5 <u>20</u>	<u>28</u>	<u>12</u>	<u>28</u>	<u>20</u>	<u>28</u>	<u>12</u>	<u>28</u>
P 6 <u>25</u>	<u>28</u>	<u>15</u>	<u>28</u>	<u>25</u>	<u>28</u>	<u>15</u>	<u>28</u>
P 7 <u>30</u>	<u>28</u>	<u>18</u>	<u>28</u>	<u>30</u>	<u>28</u>	<u>18</u>	<u>28</u>
P 8 _____		<u>21</u>	<u>28</u>			<u>21</u>	<u>28</u>
P 9 _____		<u>24</u>	<u>28</u>			<u>24</u>	<u>28</u>
P 10 _____		<u>27</u>	<u>28</u>			<u>27</u>	<u>28</u>
P 11 _____		<u>30</u>	<u>28</u>			<u>30</u>	<u>28</u>
P 12 _____		<u>33</u>	<u>28</u>			<u>33</u>	<u>28</u>
P 13 _____		<u>36</u>	<u>28</u>			<u>36</u>	<u>28</u>
P 14 _____		<u>39</u>	<u>28</u>			<u>39</u>	<u>28</u>
P 15 _____		<u>42</u>	<u>28</u>			<u>42</u>	<u>28</u>
P 16 _____		<u>45</u>	<u>28</u>			<u>45</u>	<u>28</u>
P 17 _____		<u>48</u>	<u>28</u>			<u>48</u>	<u>28</u>
P 18 _____		<u>51</u>	<u>28</u>			<u>51</u>	<u>28</u>
P 19 _____		<u>54</u>	<u>28</u>			<u>54</u>	<u>28</u>
P 20 _____		<u>57</u>	<u>28</u>			<u>57</u>	<u>28</u>
		<u>60</u>	<u>28</u>			<u>60</u>	<u>28</u>



WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET No 14832

OK

P. O. BOX 1599 PHONE (316) 262-5861  
WICHITA, KANSAS 67201

Elevation 1994 RB Formation Viola Eff. Pay \_\_\_\_\_ Ft.

District PCAT Date Jan 7-1981 Customer Order No. \_\_\_\_\_

COMPANY NAME Goold Oil Co Inc. + Logg ymc.

ADDRESS 20 N. Rock Rd Suite 20 Rockborough Bldg Wichita, K. 67206

LEASE AND WELL NO. Lee #1-3 COUNTY Barber STATE Kans Sec. 4 Twp 30S Rge 15W

Mail Invoice To Same No. Copies Requested Req  
Co. Name \_\_\_\_\_ Address \_\_\_\_\_

Mail Charts To Same No. Copies Requested Req  
Address \_\_\_\_\_

Formation Test No. 3 Interval Tested from 4641 ft. to 4672 ft. Total Depth 4672 ft.

Packer Depth 4636 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth 4641 ft. Size 6 3/4 in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) 4645 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4648 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_

Drilling Contractor Eagle Drilling Rig 1 Drill Collar Length 554 I. D. 2 1/4 in.

Mud Type Degrease Viscosity 53 Weight Pipe Length \_\_\_\_\_ I. D. \_\_\_\_\_ in.

Weight 9.0 Water Loss 9.4 cc. Drill Pipe Length 4059 I. D. 3.8 in.

Chlorides 12,000 P.P.M. Test Tool Length 28 Tool Size 5200 in.

Jars: Make WYC Serial Number 409 Anchor Length 31 (31) ft. Size 5200

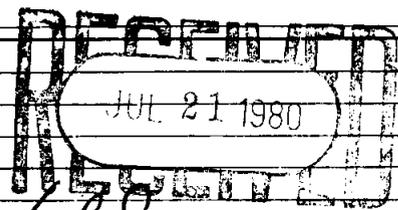
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7 1/8 in. Tool Joint Size 4 1/2 in.

Blow: \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of

Remarks: Packer Seat failed to hold



Time On Location 7:00 AM/PM \_\_\_\_\_ Time Pick Up Tool 7:45 AM/PM \_\_\_\_\_ Time Off Location \_\_\_\_\_ AM/PM \_\_\_\_\_

Time Set Packer(s) 9:45 AM/PM \_\_\_\_\_ Time Started Off Bottom 10:00 AM/PM \_\_\_\_\_ 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.

COMPANY TERMS

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All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature]  
Signature of Customer or his authorized representative

Western Representative [Signature]

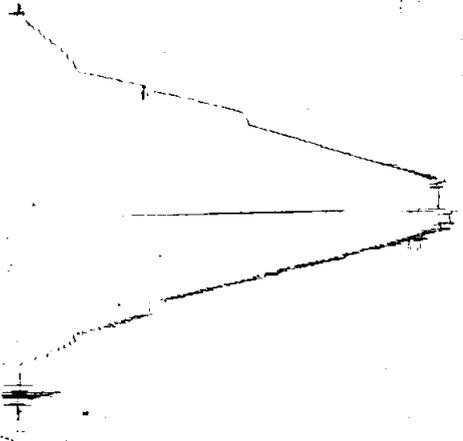
FIELD INVOICE

Open Hole Test	\$ _____
Misrun	\$ <u>400.00</u>
Straddle Test	\$ _____
Jars	\$ <u>300.00</u>
Selective Zone	\$ _____
Safety Joint	\$ <u>65.00</u>
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ <u>35.262</u>
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ <u>KNC</u>
TOTAL	\$ <u>791.25</u>

2666 DST#3

TK# 14832

1



4332 DST#3

TK# 14832

1



Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Lee #1  
 Elevation 1994 Kelly Bush Formation Viola Effective Pay - Ft. Ticket No. 14832  
 Date 7-19-81 Sec. 4 Twp. 30S Range 15W County Barber State Kansas  
 Test Approved by H. Clark Western Representative Rod Tritt

Formation Test No. 3 Interval Tested from 4641 ft. to 4672 ft. Total Depth 4672 ft.  
 Packer Depth 4636 ft. Size 6 3/4 in. Packer Depth 4641 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4645 ft. Recorder Number 2606 Cap. 4150  
 Bottom Recorder Depth (Outside) 4648 ft. Recorder Number 4332 Cap. 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Eagle Drilling (#1) Drill Collar Length 554 I. D. 2.25 in.  
 Mud Type Drispac Viscosity 55 Weight Pipe Length - I. D. - in.  
 Weight 9.0 Water Loss 9.4 cc. Drill Pipe Length 4059 I. D. 3.8 in.  
 Chlorides 12,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Jars: Make W.T.C. Serial Number 409 Anchor Length 31 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Misrun, no packer seat.

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Packer seat failed to hold.

Time Set Packer(s) 9:45 ~~A.M.~~ P.M. Time Started Off Bottom 10:00 ~~A.M.~~ P.M. Maximum Temperature -  
 Initial Hydrostatic Pressure ..... (A) 2293 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) 2240 P.S.I.



WESTERN TESTING CO., INC.
FORMATION TESTING

Call - OK

TICKET NO: 14833

P. O. BOX 1599 PHONE (316) 262-5861
WICHITA, KANSAS 67201

Elevation 1994 KB Formation Viola Eff. Pay Ft.

District Peatt Date 7-19-81 Customer Order No.

COMPANY NAME Gould Oil Co. Inc. & LOGO, Inc.

ADDRESS 260 N. Rock Road Suite 110 Rockhome Bldg Wichita, KS 67202

LEASE AND WELL NO. Lee #1-2 COUNTY Barber STATE Kans Sec. 4 Twp. 30S Rge. 15W

Mail Invoice To Same Co. Name Address No. Copies Requested 1

Mail Charts To Same Address No. Copies Requested 1

Formation Test No. 4 Interval Tested from 4635 ft. to 4672 ft. Total Depth 4672 ft.

Packer Depth 4630 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4635 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4639 ft. Recorder Number 2606 Cap. 4150

Bottom Recorder Depth (Outside) 4642 ft. Recorder Number 4332 Cap. 4200

Below Straddle Recorder Depth - ft. Recorder Number - Cap. -

Drilling Contractor Eagle Drilling #1 Drill Collar Length 559 I. D. 2 1/4 in.

Mud Type Despac Viscosity 55 Weight Pipe Length - I. D. - in.

Weight 9.0 Water Loss 9.4 cc. Drill Pipe Length - I. D. 3.8 in.

Chlorides 1200 P.P.M. Test Tool Length 28 ft. Tool Size 5200 in.

Jars: Make WTC Serial Number 409 Anchor Length 37 ft. Size 5200 in.

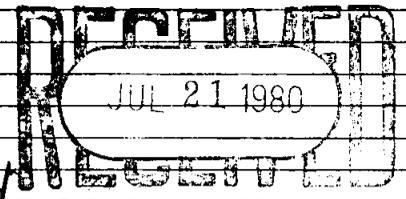
Did Well Flow? NO Reversed Out NO Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.

Main Hole Size 7/8 in. Tool Joint Size 4 1/2 in.

Blow:

Recovered ft. of

Remarks: Misrun Packer seat didn't hold



Time On Location 2:15 A.M. Time Pick Up Tool 12:15 A.M. Time Off Location - A.M.

Time Set Packer(s) 2:15 P.M. Time Started Off Bottom 2:45 P.M. Maximum Temperature - P.M.

Initial Hydrostatic Pressure (A)X P.S.I.

Initial Flow Period (B) Minutes P.S.I. to (C) P.S.I.

Initial Closed In Period (D) Minutes P.S.I.

Final Flow Period (E) Minutes P.S.I. to (F) P.S.I.

Final Closed In Period (G) Minutes P.S.I.

Final Hydrostatic Pressure (H)X P.S.I.

COMPANY TERMS

Western Testing Co., Inc. 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, of its statements or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid at cost by the party for whom the test is made.

All charges subject to 12% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

Test Approved By [Signature] Signature of Customer or his authorized representative

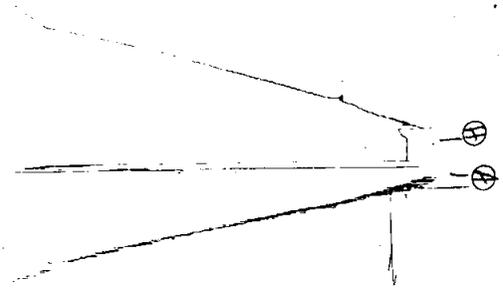
Western Representative [Signature] Thank you

FIELD INVOICE

Table with 2 columns: Item, Amount. Includes Open Hole Test, Misrun, Straddle Test, Jars, Selective Zone, Safety Joint, Standby, Evaluation, Extra Packer, Circ. Sub., Mileage, Fluid Sampler, Extra Charts, Insurance, and TOTAL.

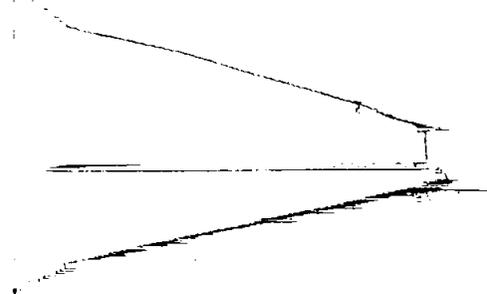
R600 part

TK# 14833  
I



4332 DST#4

TK# 14833  
O



Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Lee #1  
 Elevation 1994 Kelly Bush. Formation Viola Effective Pay - Ft. Ticker No. 14833  
 Date 7-19-81 Sec. 4 Twp. 30S Range 15W County Barber State Kansas  
 Test Approved by H. Clark Western Representative Rod Tritt

Formation Test No. 4 Interval Tested from 4635 ft. to 4672 ft. Total Depth 4672 ft.  
 Packer Depth 4630 ft. Size 6 3/4 in. Packer Depth 4635 ft. Size 6 3/4 in.  
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -  
 Top Recorder Depth (Inside) 4639 ft. Recorder Number 2606 Cap 4150  
 Bottom Recorder Depth (Outside) 4642 ft. Recorder Number 4332 Cap 4200  
 Below Straddle Recorder Depth - ft. Recorder Number - Cap -

Drilling Contractor Eagle Drilling (#1) Drill Collar Length 554 I. D. 2.25 in.  
 Mud Type Drispac Viscosity 55 Weight Pipe Length - I. D. - in.  
 Weight 9.0 Water Loss 9.4 cc. Drill Pipe Length 4053 I. D. 3.8 in.  
 Chlorides 12,000 P.P.M. Test Tool Length 28 ft. Tool Size 5 1/2 OD in.  
 Jars: Make W.T.C. Serial Number 409 Anchor Length 37 ft. Size 5 1/2 OD in.  
 Did Well Flow? No Reversed Out No Surface Choke Size 3/4 in. Bottom Choke Size 3/4 in.  
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Misrun, no packer seat.  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: Misrun, packer seat didn't hold.

Time Set Packer(s) 2:25 ~~PM~~ <sup>AM</sup> Time Started Off Bottom 2:45 ~~PM~~ <sup>AM</sup> Maximum Temperature \_\_\_\_\_  
 Initial Hydrostatic Pressure \_\_\_\_\_ (A) 2230 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) 2157 P.S.I.