

Open Hole Test	\$ 700.00
Misrun	\$ _____
Straddle Test	\$ _____
Jars	\$ _____
Selective Zone	\$ _____
Safety Joint	\$ _____
Standby	\$ _____
Evaluation	\$ _____
Extra Packer	\$ _____
Circ. Sub.	\$ _____
Mileage	\$ 148 111.00
Fluid Sampler	\$ _____
Extra Charts	\$ _____
Insurance	\$ 50.00
TOTAL	\$ 861.00

WESTERN TESTING CO., INC.

Pressure Data

Date: 6-25-81 Test Ticket No. 11705
 Recorder No. 3473 Capacity 4000 Location 4512 Ft.
 Clock No. _____ Elevation _____ Well Temperature _____ °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2202</u>	P.S.I.	<u>12:55</u>	M
B First Initial Flow Pressure	<u>45</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>45</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>49</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>48</u>	P.S.I.	<u>30</u>	Mins. <u>24</u> Mins.
F Second Final Flow Pressure	<u>48</u>	P.S.I.		
G Final Closed-in Pressure	<u>52</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2167</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: 10 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: 8 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 0	<u>45</u>	0	<u>45</u>	0	<u>48</u>	0	<u>48</u>
P 2 5		3	<u>45</u>	5	<u>48</u> Flushed tool	3	<u>48</u>
P 3 10		6	<u>45</u>	10	<u>48</u>	6	<u>48</u>
P 4 15		9	<u>45</u>	15		9	<u>49</u>
P 5 20		12	<u>45</u>	20		12	<u>50</u>
P 6 25		15	<u>46</u>	25		15	<u>51</u>
P 7 30	<u>45</u>	18	<u>46</u>	30	<u>48</u>	18	<u>51</u>
P 8 35		21	<u>47</u>	35		21	<u>52</u>
P 9 40		24	<u>48</u>	40		24	<u>52</u>
P10 45		27	<u>48</u>	45		27	
P11 50		30	<u>49</u>	50		30	
P12 55		33		55		33	
P13 60		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				60	

Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Weede #1
Elevation ---- Formation Marmaton Effective Pay - Ft. Ticket No. 11705
Date 6/25/81 Sec. 6 Twp. 30S Range 14W County Barber State Kansas
Test Approved by Paul Laird Western Representative John Critser

Formation Test No. 1 Interval Tested from 4498 ft. to 4515 ft. Total Depth 4515 ft.

Packer Depth 4493 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4498 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4503 ft. Recorder Number 2608 Cap 4150

Bottom Recorder Depth (Outside) 4512 ft. Recorder Number 3473 Cap 4000

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

Drilling Contractor Eagle Drlg. Rig #1 Drill Collar Length 557 I. D. 2.76 in.

Mud Type premix Viscosity 58 Weight Pipe Length - I. D. 2.25 in.

Weight 9.3 Water Loss 9.2 cc. Drill Pipe Length - I. D. 3.8 in.

Chlorides 6,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 1/2 in.

Jars: Make - Serial Number - Anchor Length 17 ft. Size 4 1/2 in.

Did Well Flow? No Reversed Out - 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 in.

Blow: Initial flow very weak blow; seven minutes then died. Final flow no blow; flushed tool no blow.

Recovered 2 ft. of mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Read bottom chart #3473 Top recorder failed.

Time Set Packer(s) 12:55 ~~AM~~ P.M. Time Started Off Bottom 2:55 ~~AM~~ P.M. Maximum Temperature ?

Initial Hydrostatic Pressure (A) 2202 P.S.I.

Initial Flow Period Minutes 30 (B) 45 P.S.I. to (C) 45 P.S.I.

Initial Closed In Period Minutes 30 (D) 49 P.S.I.

Final Flow Period Minutes 30 (E) 48 P.S.I. to (F) 48 P.S.I.

Final Closed In Period Minutes 24 (G) 52 P.S.I.

Final Hydrostatic Pressure (H) 2167 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/25/81 Test Ticket No. 11705
 Recorder No. 3473 Capacity 4000 Location 4512 Ft.
 Clock No. --- Elevation ---- Well Temperature ----- °F

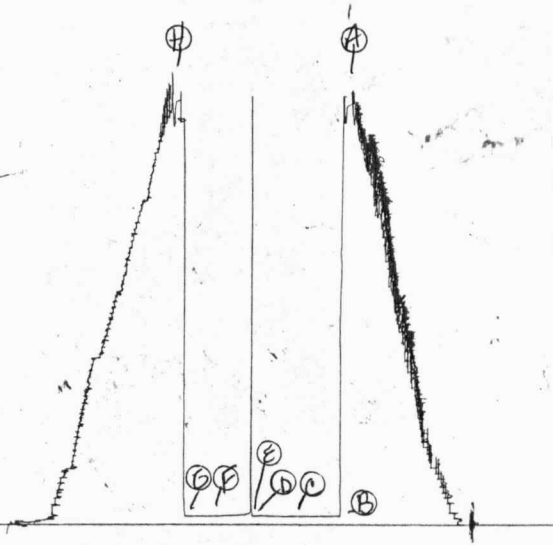
Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2202</u> P.S.I.	<u>12:55P</u> M	
B First Initial Flow Pressure	<u>45</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>45</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>49</u> P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>48</u> P.S.I.	<u>30</u> Mins.	<u>24</u> Mins.
F Second Final Flow Pressure	<u>48</u> P.S.I.		
G Final Closed-in Pressure	<u>52</u> P.S.I.		
H Final Hydrostatic Mud	<u>2167</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>8</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>45</u>	<u>0</u>	<u>45</u>	<u>0</u>	<u>48</u>	<u>0</u>	<u>48</u>
P 2 <u>5</u>	<u>45</u>	<u>3</u>	<u>45</u>	<u>5</u>	<u>FLUSHED TOOL</u>	<u>3</u>	<u>48</u>
P 3 <u>10</u>	<u>45</u>	<u>6</u>	<u>45</u>	<u>10</u>	<u>48</u>	<u>6</u>	<u>48</u>
P 4 <u>15</u>	<u>45</u>	<u>9</u>	<u>45</u>	<u>15</u>	<u>48</u>	<u>9</u>	<u>49</u>
P 5 <u>20</u>	<u>45</u>	<u>12</u>	<u>45</u>	<u>20</u>	<u>48</u>	<u>12</u>	<u>50</u>
P 6 <u>25</u>	<u>45</u>	<u>15</u>	<u>46</u>	<u>25</u>	<u>48</u>	<u>15</u>	<u>51</u>
P 7 <u>30</u>	<u>45</u>	<u>18</u>	<u>46</u>	<u>30</u>	<u>48</u>	<u>18</u>	<u>51</u>
P 8		<u>21</u>	<u>47</u>			<u>21</u>	<u>52</u>
P 9		<u>24</u>	<u>48</u>			<u>24</u>	<u>52</u>
P10		<u>27</u>	<u>48</u>				
P11		<u>30</u>	<u>49</u>				
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

DIST Bottom 3473

TK+ #11705





WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET

No

12042

P. O. BOX 1599

PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation

1981 K.B

Formation

Miss

Eff. Pay — Ft.

COMPANY NAME

Gould Oil Co. Inc. * Logo Inc.

ADDRESS

260 N. Rock Road, Suite 210 Rockborough Bldg Wichita, Ks 67206

LEASE AND WELL NO.

Weede #1

COUNTY

Barber

STATE

Ks

Sec.

6

Twp.

303

Rge.

14 W

Mail Invoice To

Same

No. Copies Requested

5

Mail Charts To

Same

Address

No. Copies Requested

5

Formation Test No.

2

Interval

Tested from

4517

ft. to

4540

ft.

Total Depth

4540

ft.

Packer Depth

4512

ft.

Size

6 3/4 in.

Packer Depth

—

ft.

Size

— in.

Packer Depth

4517

ft.

Size

6 3/4 in.

Packer Depth

—

ft.

Size

— in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4530

ft.

Recorder Number

2607

Cap.

4150

Bottom Recorder Depth (Outside)

4533

ft.

Recorder Number

3351

Cap.

4000

Below Straddle Recorder Depth

—

ft.

Recorder Number

—

Cap.

—

Drilling Contractor

Eagle Drilling Rig #1

Drill Collar Length

557

I. D.

2 1/4 in.

Mud Type

Premix-Chemical

Viscosity

48

Weight Pipe Length

—

I. D.

— in.

Weight

9.5

Water Loss

14.0

cc.

Drill Pipe Length

3934

I. D.

3.8 in.

Chlorides

8,000

P.P.M.

Test Tool Length

26

ft.

Tool Size

5200 in.

Jars: Make

WTC

Serial Number

410

Anchor Length

23

ft.

Size

5200 in.

Did Well Flow?

No

Reversed Out

Yes

Surface Choke Size

3 1/4 in.

Bottom Choke Size

3 1/4 in.

Main Hole Size

7 7/8 in.

Tool Joint Size

4 1/2 FH in.

Blow:

Fair blow throughout flow periods

Recovered

780

ft. of

Salt Water

(72,000 p.p.m.)

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Remarks:

Overlapped 10 min on initial flow. Changed dyes in slips

Time On Location

2:30

A.M.

Time Pick Up Tool

3:30

A.M.

Time Off Location

A.M.

Time Set Packer(s)

5:15

A.M.

Time Started Off Bottom

9:30

A.M.

Maximum Temperature

121°

Initial Hydrostatic Pressure

(A)

2289

P.S.I.

Initial Flow Period

Minutes

70

(B)

169

P.S.I. to (C)

254

P.S.I.

Initial Closed In Period

Minutes

60

(D)

1395

P.S.I.

Final Flow Period

Minutes

60

(E)

360

P.S.I. to (F)

381

P.S.I.

Final Closed In Period

Minutes

60

(G)

1363

P.S.I.

Final Hydrostatic Pressure

(H)

2267

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 of Customer or his authorized representative

Western Representative

Jim Wondra Thank You

FIELD INVOICE

Open Hole Test

\$ 720.00

Misrun

\$

Straddle Test

\$

Jars

\$ 300.00

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$ 35.00

Mileage

\$ N.C.

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

TOTAL

\$ 1035.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-26-81 Test Ticket No. 12042
 Recorder No. 2607 Capacity 4150 Location 4530 Ft.
 Clock No. — Elevation 1981 KB Well Temperature 121 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2297</u>	P.S.I.	<u>5:15</u>	M
B First Initial Flow Pressure	<u>89</u>	P.S.I.	<u>70</u>	Mins. <u>70</u> Mins.
C First Final Flow Pressure	<u>258</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
D Initial Closed-in Pressure	<u>1389</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
E Second Initial Flow Pressure	<u>355</u>	P.S.I.	<u>60</u>	Mins. <u>60</u> Mins.
F Second Final Flow Pressure	<u>382</u>	P.S.I.	<u>60</u>	Mins. <u>63</u> Mins.
G Final Closed-in Pressure	<u>1364</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2269</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>14</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>89</u>	<u>0</u>	<u>258</u>	<u>0</u>	<u>355</u>	<u>0</u>	<u>382</u>
P 2 <u>5</u>	<u>114</u>	<u>3</u>	<u>956</u>	<u>5</u>		<u>3</u>	<u>975</u>
P 3 <u>10</u>	<u>114</u>	<u>6</u>	<u>1060</u>	<u>10</u>		<u>6</u>	<u>1063</u>
P 4 <u>15</u>	<u>114</u>	<u>9</u>	<u>1117</u>	<u>15</u>		<u>9</u>	<u>1115</u>
P 5 <u>20</u>	<u>121</u>	<u>12</u>	<u>1157</u>	<u>20</u>		<u>12</u>	<u>1150</u>
P 6 <u>25</u>	<u>130</u>	<u>15</u>	<u>1190</u>	<u>25</u>		<u>15</u>	<u>1179</u>
P 7 <u>30</u>	<u>144</u>	<u>18</u>	<u>1220</u>	<u>30</u>	<u>355</u>	<u>18</u>	<u>1203</u>
P 8 <u>35</u>	<u>163</u>	<u>21</u>	<u>1244</u>	<u>35</u>	<u>360</u>	<u>21</u>	<u>1223</u>
P 9 <u>40</u>	<u>180</u>	<u>24</u>	<u>1262</u>	<u>40</u>	<u>368</u>	<u>24</u>	<u>1242</u>
P10 <u>45</u>	<u>190</u>	<u>27</u>	<u>1278</u>	<u>45</u>	<u>375</u>	<u>27</u>	<u>1259</u>
P11 <u>50</u>	<u>203</u>	<u>30</u>	<u>1293</u>	<u>50</u>	<u>379</u>	<u>30</u>	<u>1272</u>
P12 <u>55</u>	<u>217</u>	<u>33</u>	<u>1307</u>	<u>55</u>	<u>381</u>	<u>33</u>	<u>1284</u>
P13 <u>60</u>	<u>235</u>	<u>36</u>	<u>1320</u>	<u>60</u>	<u>382</u>	<u>36</u>	<u>1295</u>
P14 <u>65</u>	<u>250</u>	<u>39</u>	<u>1330</u>	<u>65</u>		<u>39</u>	<u>1307</u>
P15 <u>70</u>	<u>258</u>	<u>42</u>	<u>1340</u>	<u>70</u>		<u>42</u>	<u>1317</u>
P16 <u>75</u>		<u>45</u>	<u>1351</u>	<u>75</u>		<u>45</u>	<u>1325</u>
P17 <u>80</u>		<u>48</u>	<u>1360</u>	<u>80</u>		<u>48</u>	<u>1332</u>
P18 <u>85</u>		<u>51</u>	<u>1370</u>	<u>85</u>		<u>51</u>	<u>1340</u>
P19 <u>90</u>		<u>54</u>	<u>1377</u>			<u>54</u>	<u>1345</u>
P20 <u>95</u>		<u>57</u>	<u>1383</u>			<u>57</u>	<u>1351</u>
		<u>60</u>	<u>1389</u>			<u>60</u>	<u>1357</u>
						<u>63</u>	<u>1364</u>

Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Weede #1
Elevation 1981 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 12042
Date 6/26/81 Sec. 6 Twp. 30S Range 14W County Barber State Kansas
Test Approved by Paul Laird Western Representative Jim Wondra

Formation Test No. 2 Interval Tested from 4517 ft. to 4540 ft. Total Depth 4540 ft.

Packer Depth 4512 ft. Size 6 3/4 Packer Depth - ft. Size - in.

Packer Depth 4517 ft. Size 6 3/4 Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4530 ft. Recorder Number 2607 Cap 4150

Bottom Recorder Depth (Outside) 4533 ft. Recorder Number 3351 Cap 4000

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

Drilling Contractor Eagle Drlg. Rig #1 Drill Collar Length 557 I. D. 2 1/4 in.

Mud Type premix-chemical Viscosity 48 Weight Pipe Length - I. D. - in.

Weight 9.5 Water Loss 14.0 cc. Drill Pipe Length 3934 I. D. 3.8 in.

Chlorides 8,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 OD in.

Jars: Make WIC Serial Number 410 Anchor Length 23 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: Fair blow throughout test.

Recovered 780 ft. of salt water (72,000 chlorides ppm)

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Overlapped ten minutes on initial flow. Changed dyes in slips.

Time Set Packer(s) 5:15 A.M. Time Started Off Bottom 9:30 P.M. Maximum Temperature 121°

Initial Hydrostatic Pressure 2297 P.S.I. (A)

Initial Flow Period 70 Minutes (B) 89 P.S.I. to (C) 258 P.S.I.

Initial Closed In Period 60 Minutes (D) 1389 P.S.I.

Final Flow Period 60 Minutes (E) 355 P.S.I. to (F) 382 P.S.I.

Final Closed In Period 63 Minutes (G) 1364 P.S.I.

Final Hydrostatic Pressure 2269 P.S.I. (H)

WESTERN TESTING CO., INC.

Pressure Data

Date 6/26/81 Test Ticket No. 12042
 Recorder No. 2607 Capacity 4150 Location 4530 Ft.
 Clock No. --- Elevation 1981 Kelly Bushing Well Temperature 121 °F

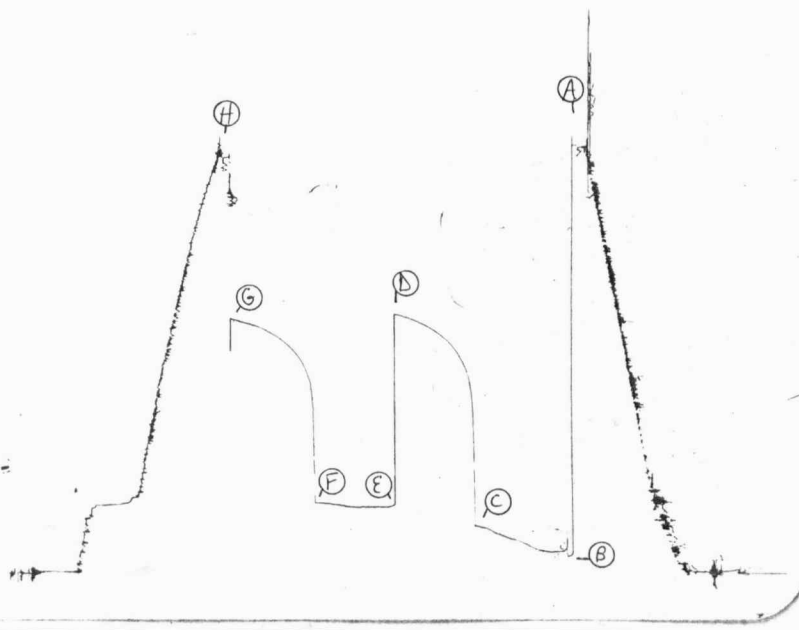
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2297</u> P.S.I.	Open Tool	<u>5:15</u>	<u>M</u>
B First Initial Flow Pressure	<u>89</u> P.S.I.	First Flow Pressure	<u>70</u> Mins.	<u>70</u> Mins.
C First Final Flow Pressure	<u>258</u> P.S.I.	Initial Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
D Initial Closed-in Pressure	<u>1389</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>355</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>63</u> Mins.
F Second Final Flow Pressure	<u>382</u> P.S.I.			
G Final Closed-in Pressure	<u>1364</u> P.S.I.			
H Final Hydrostatic Mud	<u>2269</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>14</u> Inc.		Breakdown: <u>20</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>21</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>89</u>	<u>0</u>	<u>258</u>	<u>0</u>	<u>355</u>	<u>0</u>	<u>382</u>
P 2 <u>5</u>	<u>114</u>	<u>3</u>	<u>956</u>	<u>5</u>	<u>355</u>	<u>3</u>	<u>975</u>
P 3 <u>10</u>	<u>114</u>	<u>6</u>	<u>1060</u>	<u>10</u>	<u>355</u>	<u>6</u>	<u>1063</u>
P 4 <u>15</u>	<u>114</u>	<u>9</u>	<u>1117</u>	<u>15</u>	<u>355</u>	<u>9</u>	<u>1115</u>
P 5 <u>20</u>	<u>121</u>	<u>12</u>	<u>1157</u>	<u>20</u>	<u>355</u>	<u>12</u>	<u>1150</u>
P 6 <u>25</u>	<u>130</u>	<u>15</u>	<u>1190</u>	<u>25</u>	<u>355</u>	<u>15</u>	<u>1179</u>
P 7 <u>30</u>	<u>144</u>	<u>18</u>	<u>1220</u>	<u>30</u>	<u>355</u>	<u>18</u>	<u>1203</u>
P 8 <u>35</u>	<u>163</u>	<u>21</u>	<u>1244</u>	<u>35</u>	<u>360</u>	<u>21</u>	<u>1223</u>
P 9 <u>40</u>	<u>180</u>	<u>24</u>	<u>1262</u>	<u>40</u>	<u>368</u>	<u>24</u>	<u>1242</u>
P10 <u>45</u>	<u>190</u>	<u>27</u>	<u>1278</u>	<u>45</u>	<u>375</u>	<u>27</u>	<u>1259</u>
P11 <u>50</u>	<u>203</u>	<u>30</u>	<u>1293</u>	<u>50</u>	<u>379</u>	<u>30</u>	<u>1272</u>
P12 <u>55</u>	<u>217</u>	<u>33</u>	<u>1307</u>	<u>55</u>	<u>381</u>	<u>33</u>	<u>1284</u>
P13 <u>60</u>	<u>235</u>	<u>36</u>	<u>1320</u>	<u>60</u>	<u>382</u>	<u>36</u>	<u>1295</u>
P14 <u>65</u>	<u>250</u>	<u>39</u>	<u>1330</u>			<u>39</u>	<u>1307</u>
P15 <u>70</u>	<u>258</u>	<u>42</u>	<u>1340</u>			<u>42</u>	<u>1317</u>
P16		<u>45</u>	<u>1351</u>			<u>45</u>	<u>1325</u>
P17		<u>48</u>	<u>1360</u>			<u>48</u>	<u>1332</u>
P18		<u>51</u>	<u>1370</u>			<u>51</u>	<u>1340</u>
P19		<u>54</u>	<u>1377</u>			<u>54</u>	<u>1345</u>
P20		<u>57</u>	<u>1383</u>			<u>57</u>	<u>1351</u>
		<u>60</u>	<u>1389</u>			<u>60</u>	<u>1357</u>
						<u>63</u>	<u>1364</u>

TKT #12042

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WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No. 12043

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

Elevation 1981 K.B Formation Viola Eff. Pay — Ft.

District Pratt Date 6/27/81 Customer Order No. —
COMPANY NAME Gould Oil Co. Inc. — Logo enc.
ADDRESS 260 N. Rock Road, Suite 210 Rockingham Bldg Wichita, Ks 67206
LEASE AND WELL NO. Weede #1 COUNTY Barber STATE Ks Sec. 6 Twp 30S Rge 14W
Mail Invoice To Same No. Copies Requested 5
Co. Name Address
Mail Charts To Same No. Copies Requested 5
Address

Formation Test No. 3 Interval Tested from 4559 ft. to 4580 ft. Total Depth 4580 ft.
Packer Depth 4575 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Packer Depth 4580 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.
Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4570 ft. Recorder Number 2607 Cap. 4150
Bottom Recorder Depth (Outside) 4573 ft. Recorder Number 3351 Cap. 4000
Below Straddle Recorder Depth — ft. Recorder Number — Cap. —
Drilling Contractor Eagle Drilling Rig #1 Drill Collar Length 557 I. D. 2 1/4 in.
Mud Type Premix-Chemical Viscosity 50 Weight Pipe Length — I. D. — in.
Weight 9.2 Water Loss 13.8 cc. Drill Pipe Length 3970 I. D. 3.8 in.
Chlorides 9,000 P.P.M. Test Tool Length 26 ft. Tool Size 5200 in.
Jars: Make WTC Serial Number 410 Anchor Length 27 ft. Size 5200 in.
Did Well Flow? No Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.
Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Very Weak blow died in 25 min on limited flow period
No blow on second flow period

Recovered 20 ft. of Drly Mud
Recovered — ft. of
Recovered — ft. of
Recovered — ft. of
Recovered — ft. of

Remarks: Flushed tool on second flow

Time On Location 8:00 A.M. Time Pick Up Tool 9:30 A.M. Time Off Location 4:00 A.M.
Time Set Packer(s) 11:35 A.M. Time Started Off Bottom 1:35 A.M. Maximum Temperature 122°
Initial Hydrostatic Pressure (A) 2352 P.S.I.
Initial Flow Period Minutes 30 (B) 73 P.S.I. to (C) 73 P.S.I.
Initial Closed In Period Minutes 30 (D) 924 P.S.I.
Final Flow Period Minutes 30 (E) 84 P.S.I. to (F) 105 P.S.I.
Final Closed In Period Minutes 30 (G) 1050 P.S.I.
Final Hydrostatic Pressure (H) 2331 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 Paul Laird
Signature of Customer or his authorized representative

Western Representative Jim Worda Thank You

FIELD INVOICE

Open Hole Test \$ 720.00
Misrun \$
Straddle Test \$
Jars \$ 300.00
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage \$ N.C. —
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 1020.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-27-81 Test Ticket No. 12042
 Recorder No. 2607 Capacity 4150 Location 4578 Ft.
 Clock No. 5 Elevation 1981 * KB Well Temperature 122 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2360</u>	P.S.I.	<u>11:35</u> P	M
B First Initial Flow Pressure	<u>76</u>	P.S.I.	<u>30</u>	Mins. <u>25</u> Mins.
C First Final Flow Pressure	<u>76</u>	P.S.I.	<u>30</u>	Mins. <u>21</u> Mins.
D Initial Closed-in Pressure	<u>937</u>	P.S.I.	<u>30</u>	Mins. <u>35</u> Mins.
E Second Initial Flow Pressure	<u>88</u>	P.S.I.	<u>30</u>	Mins. <u>27</u> Mins.
F Second Final Flow Pressure	<u>120*</u>	P.S.I.		
G Final Closed-in Pressure	<u>1059</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2212</u>	P.S.I.		

* Pressures Questionable
 due to plugging action

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>3</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>9</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>76</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>120*</u>
P 2 <u>5</u>		<u>3</u>	<u>146</u>	<u>5</u>	<u>88</u>	<u>3</u>	<u>148</u>
P 3 <u>10</u>		<u>6</u>	<u>244</u>	<u>10</u>	<u>Flushed Tool</u>	<u>6</u>	<u>286</u>
P 4 <u>15</u>		<u>9</u>	<u>388</u>	<u>15</u>	<u>115</u>	<u>9</u>	<u>432</u>
P 5 <u>20</u>		<u>12</u>	<u>599</u>	<u>20</u>	<u>104</u>	<u>12</u>	<u>600</u>
P 6 <u>25</u>	<u>76</u>	<u>15</u>	<u>735</u>	<u>25</u>	<u>137*</u>	<u>15</u>	<u>739</u>
P 7 <u>30</u>		<u>18</u>	<u>872</u>	<u>30</u>	<u>184*</u>	<u>18</u>	<u>863</u>
P 8 <u>35</u>		<u>21</u>	<u>937</u>	<u>35</u>	<u>120*</u>	<u>21</u>	<u>960</u>
P 9 <u>40</u>		<u>24</u>		<u>40</u>		<u>24</u>	<u>1023</u>
P10 <u>45</u>		<u>27</u>		<u>45</u>		<u>27</u>	<u>1059</u>
P11 <u>50</u>		<u>30</u>		<u>50</u>		<u>30</u>	
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14		<u>39</u>		<u>65</u>		<u>39</u>	
P15		<u>42</u>		<u>70</u>		<u>42</u>	
P16		<u>45</u>		<u>75</u>		<u>45</u>	
P17		<u>48</u>		<u>80</u>		<u>48</u>	
P18		<u>51</u>		<u>85</u>		<u>51</u>	
P19		<u>54</u>		<u>90</u>		<u>54</u>	
P20		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Weede #1
Elevation 1981 Kelly Bushing Formation Viola Effective Pay - Ft. Ticket No. 12043
Date 6/27/81 Sec. 6 Twp. 30S Range 14W County Barber State Kansas
Test Approved by Paul Laird Western Representative Jim Wondra

Formation Test No. 3 Interval Tested from 4553 ft. to 4580 ft. Total Depth 4580 ft.

Packer Depth 4575 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4580 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4570 ft. Recorder Number 26077 Cap. 4150

Bottom Recorder Depth (Outside) 4573 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Eagle Drlg. Rig #1 Drill Collar Length 557 I. D. 2 1/4 in.

Mud Type premix-chemical Viscosity 50 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 13.8 cc. Drill Pipe Length 3970 I. D. 3.8 in.

Chlorides 9,000 P.P.M. Test Tool Length 26 ft. Tool Size 5 1/2 OD in.

Jars: Make WIC Serial Number 410 Anchor Length 27 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: Very weak blow died in twenty-five minutes on initial flow period. No blow on final flow period.

Recovered 20 ft. of drilling mud

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Recovered - ft. of -

Remarks: Flushed tool on second flow.

Time Set Packer(s) 11:35 ~~A.M.~~ P.M. Time Started Off Bottom 1:35 ~~P.M.~~ A.M. Maximum Temperature 122°

Initial Hydrostatic Pressure (A) 2360 P.S.I.

Initial Flow Period Minutes 25 (B) 76 P.S.I. to (C) 76 P.S.I.

Initial Closed In Period Minutes 21 (D) 937 P.S.I.

Final Flow Period Minutes 35 (E) 88 P.S.I. to (F) 120 * P.S.I.

Final Closed In Period Minutes 27 (G) 1059 P.S.I.

Final Hydrostatic Pressure (H) 2213 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/27/81 Test Ticket No. 12043

Recorder No. 2607 Capacity 4150 Location 4570 Ft.

Clock No. --- Elevation 1981 Kelly Bushing Well Temperature 122 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2360</u> P.S.I.	<u>11:35P</u>	<u>M</u>
B First Initial Flow Pressure	<u>76</u> P.S.I.	<u>30</u> Mins.	<u>25</u> Mins.
C First Final Flow Pressure	<u>76</u> P.S.I.	<u>30</u> Mins.	<u>21</u> Mins.
D Initial Closed-in Pressure	<u>937</u> P.S.I.	<u>30</u> Mins.	<u>35</u> Mins.
E Second Initial Flow Pressure	<u>88</u> P.S.I.	<u>30</u> Mins.	<u>27</u> Mins.
F Second Final Flow Pressure	<u>120 *</u> P.S.I.		
G Final Closed-in Pressure	<u>1059</u> P.S.I.		
H Final Hydrostatic Mud	<u>2213</u> P.S.I.		

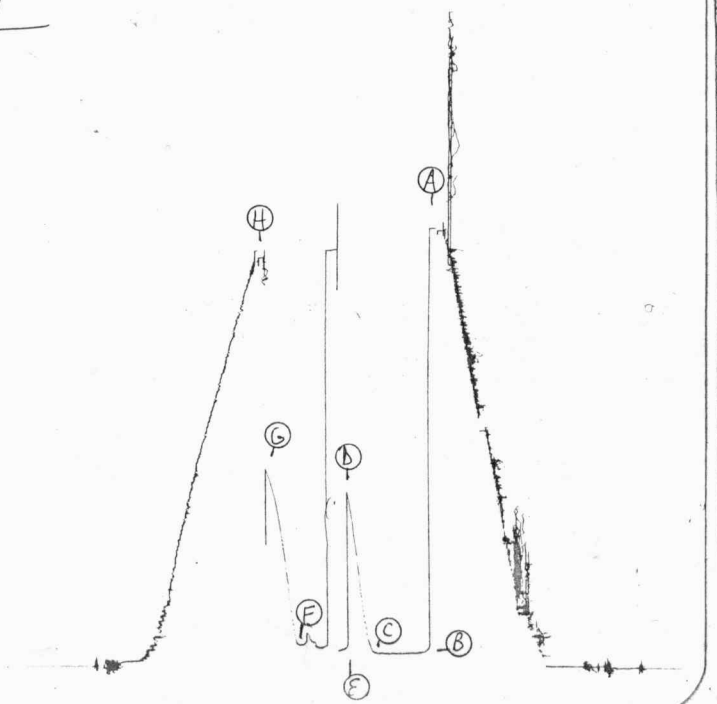
* PRESSURES QUESTIONABLE DUE TO PLUGGING ACTION

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>5</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>9</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>76</u>	<u>0</u>	<u>76</u>	<u>0</u>	<u>88</u>	<u>0</u>	<u>120 *</u>
P 2 <u>5</u>	<u>76</u>	<u>3</u>	<u>146</u>	<u>5</u>	<u>88</u>	<u>3</u>	<u>148</u>
P 3 <u>10</u>	<u>76</u>	<u>6</u>	<u>244</u>	<u>10</u>	<u>FLUSHED TOOL</u>	<u>6</u>	<u>286</u>
P 4 <u>15</u>	<u>76</u>	<u>9</u>	<u>388</u>	<u>15</u>	<u>115</u>	<u>9</u>	<u>432</u>
P 5 <u>20</u>	<u>76</u>	<u>12</u>	<u>599</u>	<u>20</u>	<u>105</u>	<u>12</u>	<u>600</u>
P 6 <u>25</u>	<u>76</u>	<u>15</u>	<u>735</u>	<u>25</u>	<u>137 *</u>	<u>15</u>	<u>739</u>
P 7		<u>18</u>	<u>872</u>	<u>30</u>	<u>184 *</u>	<u>18</u>	<u>863</u>
P 8		<u>21</u>	<u>937</u>	<u>35</u>	<u>120 *</u>	<u>21</u>	<u>960</u>
P 9						<u>24</u>	<u>1023</u>
P10						<u>27</u>	<u>1059</u>
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 12043

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WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 12044

P. O. BOX 1599 PHONE (316) 262-5861

WICHITA, KANSAS 67201

Elevation 1981 K.B Formation Simpson Eff. Pay — Ft.

District Pratt Date 6/27/81 Customer Order No. —

COMPANY NAME Gould Oil Co. Inc. + Logo

ADDRESS 260 N. Rock Road Rockingham Bldg Wichita, Ks 67206

LEASE AND WELL NO. Weede #1 COUNTY Barber STATE Ks Sec. 6 Twp 30 S Rge 14 W

Mail Invoice To Same No. Copies Requested 5

Co. Name Address No. Copies Requested 5

Mail Charts To Same Address

Formation Test No. 4 Interval Tested from 4620 ft. to 4663 ft. Total Depth 4663 ft.

Packer Depth 4615 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Packer Depth 4620 ft. Size 6 3/4 in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 4653 ft. Recorder Number 2607 Cap. 4150

Bottom Recorder Depth (Outside) 4656 ft. Recorder Number 3351 Cap. 4000

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

Drilling Contractor Eagle Drilling Rig #1 Drill Collar Length 557 I. D. 2 1/4 in.

Mud Type Chemical Viscosity 46 Weight Pipe Length — I. D. — in.

Weight 9.2 Water Loss 15.2 cc. Drill Pipe Length 4034 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 29 ft. Tool Size 5200 in.

Jars: Make WTC Serial Number #10 Anchor Length 43 ft. Size 5200 in.

Did Well Flow? No Reversed Out No Surface Choke Size 3 1/4 in. Bottom Choke Size 3 1/4 in.

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

Blow: Very Weak blow died in 20 min on initial flow period

No blow on second flow period

Recovered 105 ft. of Drilling Mud

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Remarks:

RECEIVED
JUN 29 1980

Time On Location 6:00 A.M. Time Pick Up Tool 7:00 A.M. Time Off Location 2:00 A.M.

Time Set Packer(s) 9:15 A.M. Time Started Off Bottom 11:15 A.M. Maximum Temperature 123.2

Initial Hydrostatic Pressure (A) 2489 P.S.I.

Initial Flow Period Minutes 30 (B) 84 P.S.I. to (C) 84 P.S.I.

Initial Closed In Period Minutes 30 (D) 1426 P.S.I.

Final Flow Period Minutes 30 (E) 116 P.S.I. to (F) 84 P.S.I.

Final Closed In Period Minutes 30 (G) 1426 P.S.I.

Final Hydrostatic Pressure (H) 2468 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 Paul Laird
Signature of Customer or his authorized representative

Western Representative Jim Wonda Thank You

FIELD INVOICE

Open Hole Test	\$ 721.00
Misrun	\$
Straddle Test	\$
Jars	\$ 300.00
Selective Zone	\$
Safety Joint	\$ 65.00
Standby	\$
Evaluation	\$
Extra Packer	\$
Circ. Sub.	\$
Mileage	\$ N.C.
Fluid Sampler	\$
Extra Charts	\$
Insurance	\$
TOTAL	\$ 1065.00

WESTERN TESTING CO., INC.

Pressure Data

Date 6-27-81 Recorder No. 2407 Capacity 4150 Location 4653 Ft.
 Clock No. Elevation 1981 KB Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2489</u>	P.S.I.	<u>9:15 P</u>	<u>M</u>
B First Initial Flow Pressure	<u>87</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>87</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
D Initial Closed-in Pressure	<u>1441</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>101</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
F Second Final Flow Pressure	<u>101</u>	P.S.I.	<u>30</u>	Mins. <u>30</u> Mins.
G Final Closed-in Pressure	<u>1430</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2348</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>87</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>101</u>
P 2 <u>5</u>		<u>3</u>	<u>766</u>	<u>5</u>		<u>3</u>	<u>693</u>
P 3 <u>10</u>		<u>6</u>	<u>1084</u>	<u>10</u>		<u>6</u>	<u>1054</u>
P 4 <u>15</u>		<u>9</u>	<u>1238</u>	<u>15</u>		<u>9</u>	<u>1227</u>
P 5 <u>20</u>		<u>12</u>	<u>1310</u>	<u>20</u>		<u>12</u>	<u>1300</u>
P 6 <u>25</u>		<u>15</u>	<u>1351</u>	<u>25</u>		<u>15</u>	<u>1341</u>
P 7 <u>30</u>	<u>87</u>	<u>18</u>	<u>1385</u>	<u>30</u>	<u>101</u>	<u>18</u>	<u>1368</u>
P 8 <u>35</u>		<u>21</u>	<u>1406</u>	<u>35</u>		<u>21</u>	<u>1387</u>
P 9 <u>40</u>		<u>24</u>	<u>1420</u>	<u>40</u>		<u>24</u>	<u>1402</u>
P10 <u>45</u>		<u>27</u>	<u>1431</u>	<u>45</u>		<u>27</u>	<u>1412</u>
P11 <u>50</u>		<u>30</u>	<u>1441</u>	<u>50</u>		<u>30</u>	<u>1430</u>
P12 <u>55</u>		<u>33</u>		<u>55</u>		<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>		<u>36</u>	
P14 <u> </u>		<u>39</u>		<u>65</u>		<u>39</u>	
P15 <u> </u>		<u>42</u>		<u>70</u>		<u>42</u>	
P16 <u> </u>		<u>45</u>		<u>75</u>		<u>45</u>	
P17 <u> </u>		<u>48</u>		<u>80</u>		<u>48</u>	
P18 <u> </u>		<u>51</u>		<u>85</u>		<u>51</u>	
P19 <u> </u>		<u>54</u>		<u>90</u>		<u>54</u>	
P20 <u> </u>		<u>57</u>				<u>57</u>	
		<u>60</u>				<u>60</u>	

Company Gould Oil, Inc. & Logo, Inc. Lease & Well No. Weede #1
Elevation 1981 Kelly Bushing Formation Simpson Effective Pay - Ft. Ticket No. 12044
Date 6/27/81 Sec. 6 Twp. 30S Range 14W County Barber State Kansas
Test Approved by Paul Laird Western Representative Jim Wondra

Formation Test No. 4 Interval Tested from 4620 to 4663 ft. Total Depth 4663 ft.

Packer Depth 4615 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Packer Depth 4620 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 4653 ft. Recorder Number 2607 Cap 4150

Bottom Recorder Depth (Outside) 4656 ft. Recorder Number 3351 Cap 4000

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

Drilling Contractor Eagle Drlg. Rig #1 Drill Collar Length 557 I. D. 2 1/4 in.

Mud Type chemical Viscosity 46 Weight Pipe Length - I. D. - in.

Weight 9.2 Water Loss 15.2 cc. Drill Pipe Length 4034 I. D. 3.8 in.

Chlorides 10,000 P.P.M. Test Tool Length 29 ft. Tool Size 5 1/2 OD in.

Jars: Make WTC Serial Number 410 Anchor Length 43 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: Very weak blow died in twenty minutes on initial flow period. No blow on final flow period.

Recovered 65 ft. of drilling mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:15 A.M. Time Started Off Bottom 11:15 P.M. Maximum Temperature 123°

Initial Hydrostatic Pressure (A) 2489 P.S.I.

Initial Flow Period Minutes 30 (B) 87 P.S.I. to (C) 87 P.S.I.

Initial Closed In Period Minutes 30 (D) 1441 P.S.I.

Final Flow Period Minutes 30 (E) 101 P.S.I. to (F) 101 P.S.I.

Final Closed In Period Minutes 30 (G) 1430 P.S.I.

Final Hydrostatic Pressure (H) 2348 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 6/27/81

Recorder No. 2607

Clock No. --- Elevation 1981 Kelly Bushing

Capacity 4150

Test Ticket No. 12044

Location 4653

Well Temperature 123 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2489</u>	P.S.I.	<u>9:15P</u>	<u>M</u>
B First Initial Flow Pressure	<u>87</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
C First Final Flow Pressure	<u>87</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
D Initial Closed-in Pressure	<u>1441</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
E Second Initial Flow Pressure	<u>101</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
F Second Final Flow Pressure	<u>101</u>	P.S.I.	<u>30</u>	<u>Mins.</u>
G Final Closed-in Pressure	<u>1430</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2348</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>10</u> Inc.		Breakdown: <u>6</u> Inc.		Breakdown: <u>10</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>87</u>	<u>0</u>	<u>87</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>101</u>
P 2 <u>5</u>	<u>87</u>	<u>3</u>	<u>766</u>	<u>5</u>	<u>101</u>	<u>3</u>	<u>693</u>
P 3 <u>10</u>	<u>87</u>	<u>6</u>	<u>1084</u>	<u>10</u>	<u>101</u>	<u>6</u>	<u>1054</u>
P 4 <u>15</u>	<u>87</u>	<u>9</u>	<u>1238</u>	<u>15</u>	<u>101</u>	<u>9</u>	<u>1227</u>
P 5 <u>20</u>	<u>87</u>	<u>12</u>	<u>1310</u>	<u>20</u>	<u>101</u>	<u>12</u>	<u>1300</u>
P 6 <u>25</u>	<u>87</u>	<u>15</u>	<u>1351</u>	<u>25</u>	<u>101</u>	<u>15</u>	<u>1341</u>
P 7 <u>30</u>	<u>87</u>	<u>18</u>	<u>1385</u>	<u>30</u>	<u>101</u>	<u>18</u>	<u>1368</u>
P 8 _____		<u>21</u>	<u>1406</u>			<u>21</u>	<u>1387</u>
P 9 _____		<u>24</u>	<u>1420</u>			<u>24</u>	<u>1402</u>
P10 _____		<u>27</u>	<u>1431</u>			<u>27</u>	<u>1413</u>
P11 _____		<u>30</u>	<u>1441</u>			<u>30</u>	<u>1430</u>
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT # 12044
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