



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No

9089

OK

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

WICHITA, KANSAS 67201

Elevation

Formation Cherokee

Eff. Pay Ft.

District Pratt

Date 1-13-81

Customer Order No.

COMPANY NAME

Robinson Oil Company

Suite 737

ADDRESS

R. H. Gurvey Bld. 300 W. Douglas Wichita KS

LEASE AND WELL NO.

Landwehr B-1

COUNTY Barber

STATE KS

Sec. 6

Twp. 33

Rge. 10

Mail Invoice To

Same

No. Copies Requested

Reg

Mail Charts To

Same

Address

No. Copies Requested

Reg

Formation Test No.

1

Interval Tested from

4490

ft. to

4855

ft.

Total Depth

4555

ft.

Packer Depth

4485

ft.

Size

6 3/4

Packer Depth

ft.

Size

in.

Packer Depth

4490

ft.

Size

6 3/4

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

4493

ft.

Recorder Number

5673

Cap.

5400

Bottom Recorder Depth (Outside)

4552

ft.

Recorder Number

1565

Cap.

4900

Below Straddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

Sweetman

Drill Collar Length

240

I. D.

2.2

in.

Mud Type

Starch

Viscosity

48

Weight Pipe Length

I. D.

in.

Weight

9.3

Water Loss

7

cc.

Drill Pipe Length

4230

I. D.

3.8

in.

Chlorides

N/C

P.P.M.

Test Tool Length

20

ft.

Tool Size

5 1/2 OD

in.

Jars: Make

Serial Number

Anchor Length

31 - 34

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:

Strong - ~~Gas~~ Gas to SW 8 min - See Gas Flow Report

attached sheet for gas measurements

Recovered

70

ft. of

Gas Cut Mud

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Recovered

ft. of

Remarks:

Time On Location

10:30

A.M.

Time Pick Up Tool

1:30

A.M.

Time Off Location

10:00

A.M.

Time Set Packer(s)

3:45

A.M.

Time Started Off Bottom

7:00

A.M.

Maximum Temperature

125

Initial Hydrostatic Pressure

(A)

2312

P.S.I.

Initial Flow Period

Minutes

30

(B)

68

P.S.I. to (C)

54

P.S.I.

Initial Closed In Period

Minutes

45

(D)

1634

P.S.I.

Final Flow Period

Minutes

60

(E)

54

P.S.I. to (F)

40

P.S.I.

Final Closed In Period

Minutes

60

(G)

1525

P.S.I.

Final Hydrostatic Pressure

(H)

2312

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

Ray Goodin
Signature of customer or his authorized representative

Western Representative

Mark Clayton
August

FIELD INVOICE

Open Hole Test

\$

100.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

\$

Mileage 50

\$

37.50

Fluid Sampler

\$

Extra Charts

\$

Insurance

\$

TOTAL

\$

737.50



No 2282

GAS FLOW REPORT

Date 1-13-81 Ticket 9089 Company Robinson Oil Company
 Well Name and No. Landwehr B-1 Dst No. 1 Interval Tested 4990-4555
 County Barber State KS Sec. 6 Twp. 33s Rg. 10w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
PRE FLOW					
20	6.0	1/2			86,300 cfpd
30	7.0	1/2			94,500 "pd

SECOND FLOW					
10	5.0	1/2			78,100 cfpd
20	" .0	"			" "
30	" .0	"			" "
40	" .0	"			" "
50	" .0	"			" "
60	" .0	"			" "

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

Authorized by

WESTERN TESTING CO., INC.

Pressure Data

Date 1-13 Test Ticket No. 9089
 Recorder No. 5673 Capacity 5400 Location 4493 Ft.
 Clock No. _____ Elevation _____ Well Temperature 125 °F
 Point _____ Pressure _____ Time Given 3:45 A.M. Time Computed _____
 A Initial Hydrostatic Mud 2311 P.S.I. Open Tool _____
 B First Initial Flow Pressure 96 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 63 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 D Initial Closed-in Pressure 1638 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 66 P.S.I. Final Closed-in Pressure 60 Mins. 60 Mins.
 F Second Final Flow Pressure 44 P.S.I.
 G Final Closed-in Pressure 1530 P.S.I.
 H Final Hydrostatic Mud 2311 P.S.I.

PRESSURE BREAKDOWN

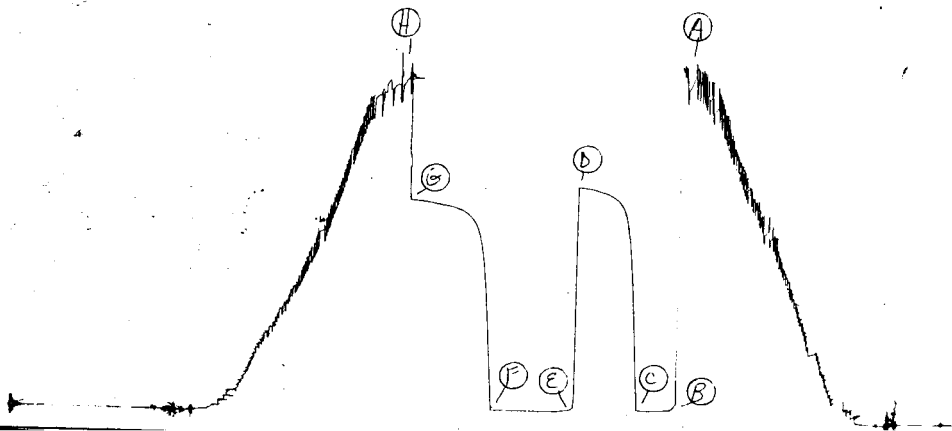
First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</u> Inc.	
of <u>5</u> mins. and a		of <u>3</u> mins. and a		of <u>5</u> mins. and a		of <u>3</u> mins. and a	
final inc. of <u>0</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 0	96	0	63	0	66	0	44
P 2 5	71	3	883	5	55	3	672
P 3 10	66	6	1257	10	49	6	1068
P 4 15	63	9	1441	15	46	9	1246
P 5 20	63	12	1508	20	46	12	1351
P 6 25	63	15	1543	25	44	15	1395
P 7 30	63	18	1568	30	44	18	1427
P 8 35	63	21	1584	35	44	21	1449
P 9 40	63	24	1597	40	44	24	1465
P10 45	63	27	1605	45	44	27	1473
P11 50	63	30	1614	50	44	30	1484
P12 55	63	33	1622	55	44	33	1492
P13 60	63	36	1630	60	44	36	1497
P14	63	39	1635	65	44	39	1503
P15	63	42	1637	70	44	42	1505
P16	63	45	1638	75	44	45	1511
P17	63	48	1638	80	44	48	1519
P18	63	51	1638	85	44	51	1522
P19	63	54	1638	90	44	54	1524
P20	63	57	1638		44	57	1527
	63	60	1638		44	60	1530

5693

DST 4/

TKT. # 9089

I



Company Robinson Oil Company Lease & Well No. Landwehr "B" #1
 Elevation ---- Formation Cherokee Effective Pay --- Ft. Ticket No. 9089
 Date 1/13/81 Sec. 6 Twp. 33S Range 10W County Barber State Kansas
 Test Approved by Ray Goodin Western Representative Jeff Piotrowski - Mark Auzat
 Formation Test No. 1 Interval Tested from 4490 ft. to 4555 ft. Total Depth 4555 ft.
 Packer Depth 4485 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4490 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4493 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 4552 ft. Recorder Number 1565 Cap. 4900
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drlg. Rig #1 Drill Collar Length 240 I. D. 2.2 in.
 Mud Type starch Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 7 cc. Drill Pipe Length 4230 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length D.C. 31-34 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: Strong. Gas to surface eight minutes. See attached sheet for gas measurements.

Recovered 70 ft. of gas cut mud

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 3:45 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 7:00 ~~P.M.~~ ^{A.M.} Maximum Temperature 125°
 Initial Hydrostatic Pressure 2311 (A) 2311 P.S.I.
 Initial Flow Period 30 Minutes (B) 96 P.S.I. to (C) 63 P.S.I.
 Initial Closed In Period 45 Minutes (D) 1638 P.S.I.
 Final Flow Period 60 Minutes (E) 66 P.S.I. to (F) 44 P.S.I.
 Final Closed In Period 60 Minutes (G) 1530 P.S.I.
 Final Hydrostatic Pressure 2311 (H) 2311 P.S.I.

GAS FLOW REPORT

Date 1/13/81 Ticket 9089 Company Robinson Oil Company
 Well Name and No. Landwehr "B" #1 Dst No. 1 Interval Tested 4490' - 4555'
 County Barber State Kansas Sec. 6 Twp. 33S Rg. 10W

Time Gauge Pre-Flow	Time Gauge in Min.	P.S.I. on Merla 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
PRE FLOW						
	20 min.	6.0 PSIG		1/2" orifice		86,300 CFPD
	30 min.	7.0 PSIG		1/2" orifice		95,500 CFPD

SECOND FLOW						
	10 min.	5.0 PSIG		1/2" orifice		78,100 CFPD
	20 min.	5.0 PSIG		1/2" orifice		78,100 CFPD
	30 min.	5.0 PSIG		1/2" orifice		78,100 CFPD
	40 min.	5.0 PSIG		1/2" orifice		78,100 CFPD
	50 min.	5.0 PSIG		1/2" orifice		78,100 CFPD
	60 min.	5.0 PSIG		1/2" orifice		78,100 CFPD

GAS BOTTLE

Serial No. --- Date Bottle Filled --- Date to be Invoiced 1/13/81

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 1½% 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 Robinson Oil Company
Ray Goodin
 Authorized by _____

WESTERN TESTING CO., INC.

Pressure Data

Date 1/13/81 Recorder No. 5673 Capacity 5400 Test Ticket No. 9089
 Clock No. -- Elevation --- Location 4493 Ft. Well Temperature 125 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2311	P.S.I.	3:45A	M
B First Initial Flow Pressure	96	P.S.I.	30	Mins.
C First Final Flow Pressure	63	P.S.I.	45	Mins.
D Initial Closed-in Pressure	1638	P.S.I.	60	Mins.
E Second Initial Flow Pressure	66	P.S.I.	60	Mins.
F Second Final Flow Pressure	44	P.S.I.		
G Final Closed-in Pressure	1530	P.S.I.		
H Final Hydrostatic Mud	2311	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>20</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>96</u>	<u>0</u>	<u>63</u>	<u>0</u>	<u>66</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>71</u>	<u>3</u>	<u>883</u>	<u>5</u>	<u>55</u>	<u>3</u>	<u>672</u>
P 3 <u>10</u>	<u>66</u>	<u>6</u>	<u>1257</u>	<u>10</u>	<u>49</u>	<u>6</u>	<u>1068</u>
P 4 <u>15</u>	<u>63</u>	<u>9</u>	<u>1441</u>	<u>15</u>	<u>46</u>	<u>9</u>	<u>1246</u>
P 5 <u>20</u>	<u>63</u>	<u>12</u>	<u>1508</u>	<u>20</u>	<u>46</u>	<u>12</u>	<u>1351</u>
P 6 <u>25</u>	<u>63</u>	<u>15</u>	<u>1543</u>	<u>25</u>	<u>44</u>	<u>15</u>	<u>1395</u>
P 7 <u>30</u>	<u>63</u>	<u>18</u>	<u>1568</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>1427</u>
P 8		<u>21</u>	<u>1584</u>	<u>35</u>	<u>44</u>	<u>21</u>	<u>1449</u>
P 9		<u>24</u>	<u>1597</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>1465</u>
P10		<u>27</u>	<u>1605</u>	<u>45</u>	<u>44</u>	<u>27</u>	<u>1473</u>
P11		<u>30</u>	<u>1614</u>	<u>50</u>	<u>44</u>	<u>30</u>	<u>1584</u>
P12		<u>33</u>	<u>1622</u>	<u>55</u>	<u>44</u>	<u>33</u>	<u>1492</u>
P13		<u>36</u>	<u>1630</u>	<u>60</u>	<u>44</u>	<u>36</u>	<u>1497</u>
P14		<u>39</u>	<u>1635</u>			<u>39</u>	<u>1503</u>
P15		<u>42</u>	<u>1637</u>			<u>42</u>	<u>1505</u>
P16		<u>45</u>	<u>1638</u>			<u>45</u>	<u>1511</u>
P17						<u>48</u>	<u>1519</u>
P18						<u>51</u>	<u>1522</u>
P19						<u>54</u>	<u>1524</u>
P20						<u>57</u>	<u>1527</u>
						<u>60</u>	<u>1530</u>



WESTERN TESTING CO., INC.
FORMATION TESTING

TICKET No 9090

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

Elevation

Formation

Mississippi

Eff. Pay Ft.

District

Pratt

Date

1-13-81

Customer Order No.

COMPANY NAME

Robinson Oil Company

ADDRESS R.H. Garvey Bld. 300 W. Douglas Wichita KS

LEASE AND WELL NO. Landwehr B-1 COUNTY Barber STATE KS Sec. 6 Twp. 33S Rge. 10W

Mail Invoice To Same

No. Copies Requested Reg

Mail Charts To Same

Address

No. Copies Requested Reg

Address

Formation Test No. 2 Interval Tested from 4565 ft. to 4580 ft. Total Depth 4580 ft.

Packer Depth 4560 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth 4565 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 4568 ft.

Recorder Number 5673 Cap. 5400

Bottom Recorder Depth (Outside) 4577 ft.

Recorder Number 1565 Cap. 4900

Below Straddle Recorder Depth ft.

Recorder Number Cap.

Drilling Contractor Sweetman

Drill Collar Length 240 I. D. 2.2 in.

Mud Type Starch Viscosity 48

Weight Pipe Length I. D. in.

Weight 9.3 Water Loss 10 cc.

Drill Pipe Length 4505 I. D. 3.8 in.

Chlorides N/C P.P.M.

Test Tool Length 20 ft. Tool Size 5 1/2 OD in.

Jars: Make Serial Number

Anchor Length 15 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 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Strong 3 min - See Gas Flow Report attached sheet for gas measurements

Recovered 30 ft. of Gas Cut Mud

Recovered 60 ft. of Muddy Water

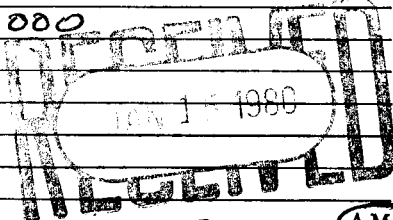
Recovered 600 ft. of Water

Chlorides 111,000

Recovered ft. of

Recovered ft. of

Remarks:



Time On Location 4:30 AM

Time Pick Up Tool 5:00 AM

Time Off Location 12:30 AM

Time Set Packer(s) 6:30 AM

Time Started Off Bottom 10:00 AM

Maximum Temperature 126

Initial Hydrostatic Pressure (A) 2380 P.S.I.

Initial Flow Period Minutes 30 (B) 95 P.S.I. to (C) 163 P.S.I.

Initial Closed In Period Minutes 45 (D) 874 P.S.I.

Final Flow Period Minutes 60 (E) 163 P.S.I. to (F) 300 P.S.I.

Final Closed In Period Minutes 75 (G) 874 P.S.I.

Final Hydrostatic Pressure (H) 2380 P.S.I.

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Test Approved By Ray Stoddin
Signature of Customer or his authorized representative

Western Representative

Protonowick
Thank you

FIELD INVOICE

Open Hole Test \$ 700.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 50 \$ 39.50
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 737.50



No 2283

GAS FLOW REPORT

Date 1-13-80 Ticket 9090 Company Robinson Oil Company
 Well Name and No. Landwehr B-1 Dst No. 2 Interval Tested 4565-80
 County Barber State KS Sec. 6 Twp. 33s Rg. 10w

Time Gauge in Min.	P.S.I. on Merla Orifice Well Tester	Size of Orifice	P.S.I. on Pitot Tester	P.S.I. on Side Static Tester	Description of Flow
GTS 3 Min PRE FLOW					
10	7.0	3/4" orifice			ok. 211,000 cfpd.
20	7.0	"			"
30	7.0	"			"

SECOND FLOW

10	7.0	3/4"			ok. 211,000 cfpd.
20	6.0	"			ok. 194,000
30	6.0	"			"
40	6.0	"			"
50	6.0	"			"
60	6.0	"			"

GAS BOTTLE

Serial No. — 0 — Date Bottle Filled — • — Date to be Invoiced 1-13-81

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COMPANY'S NAME

Authorized by

Robinson Oil Company
Roy Braden

WESTERN TESTING CO., INC.

Pressure Data

Date 1-13 Recorder No. 5673 Capacity 5400 Test Ticket No. 9090 Location 4568 Ft.
Clock No. _____ Elevation _____ Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2395</u> P.S.I.	Open Tool	<u>6:30</u> P	<u>M</u>
B First Initial Flow Pressure	<u>112</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>167</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>45</u> Mins.
D Initial Closed-in Pressure	<u>888</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>180</u> P.S.I.	Final Closed-in Pressure	<u>75</u> Mins.	<u>78</u> Mins.
F Second Final Flow Pressure	<u>309</u> P.S.I.			
G Final Closed-in Pressure	<u>872</u> P.S.I.			
H Final Hydrostatic Mud	<u>2395</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>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>26</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>0</u>	<u>112</u>	<u>0</u>	<u>180</u>	<u>0</u>	<u>309</u>
P 2	<u>5</u>	<u>3</u>	<u>109</u>	<u>5</u>	<u>180</u>	<u>3</u>	<u>825</u>
P 3	<u>10</u>	<u>6</u>	<u>111</u>	<u>10</u>	<u>194</u>	<u>6</u>	<u>836</u>
P 4	<u>15</u>	<u>9</u>	<u>120</u>	<u>15</u>	<u>204</u>	<u>9</u>	<u>844</u>
P 5	<u>20</u>	<u>12</u>	<u>139</u>	<u>20</u>	<u>219</u>	<u>12</u>	<u>850</u>
P 6	<u>25</u>	<u>15</u>	<u>153</u>	<u>25</u>	<u>230</u>	<u>15</u>	<u>852</u>
P 7	<u>30</u>	<u>18</u>	<u>167</u>	<u>30</u>	<u>246</u>	<u>18</u>	<u>854</u>
P 8	<u>35</u>	<u>21</u>		<u>35</u>	<u>254</u>	<u>21</u>	<u>856</u>
P 9	<u>40</u>	<u>24</u>		<u>40</u>	<u>268</u>	<u>24</u>	<u>858</u>
P10	<u>45</u>	<u>27</u>		<u>45</u>	<u>279</u>	<u>27</u>	<u>861</u>
P11	<u>50</u>	<u>30</u>		<u>50</u>	<u>287</u>	<u>30</u>	<u>863</u>
P12	<u>55</u>	<u>33</u>		<u>55</u>	<u>301</u>	<u>33</u>	<u>864</u>
P13	<u>60</u>	<u>36</u>		<u>60</u>	<u>309</u>	<u>36</u>	<u>865</u>
P14		<u>39</u>		<u>65</u>		<u>39</u>	<u>866</u>
P15		<u>42</u>		<u>70</u>		<u>42</u>	<u>867</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>868</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>869</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>869</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>870</u>
P20		<u>57</u>				<u>57</u>	<u>871</u>
		<u>60</u>				<u>60</u>	<u>872</u>

WESTERN TESTING CO., INC.

Pressure Data

Date _____

Test Ticket No. 9090

Recorder No. _____ Capacity _____ Location _____ Ft.

Clock No. _____ Elevation _____ Well Temperature _____ °F

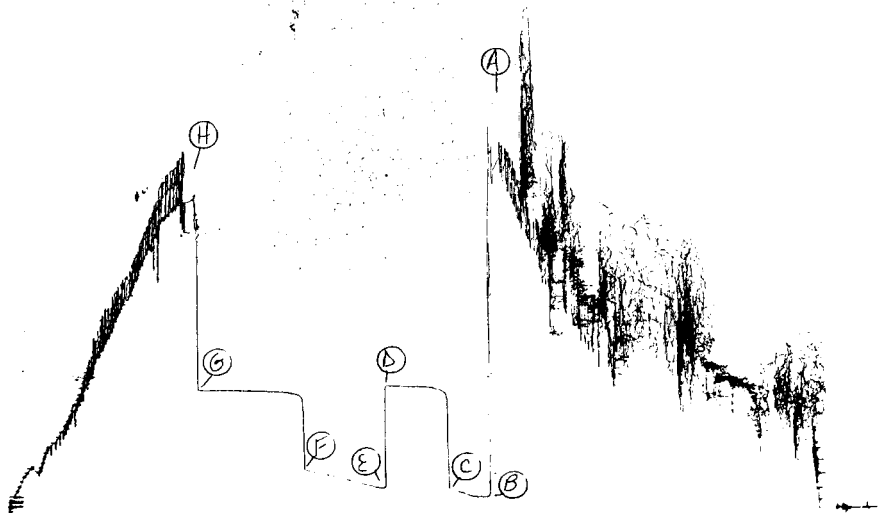
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud _____	P.S.I.	Open Tool _____	M _____	
B First Initial Flow Pressure _____	P.S.I.	First Flow Pressure _____	Mins. _____	Mins. _____
C First Final Flow Pressure _____	P.S.I.	Initial Closed-in Pressure _____	Mins. _____	Mins. _____
D Initial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

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ Inc.		Breakdown: _____ 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 _____	_____	63 _____	_____	_____	_____	63 _____	872 _____
P 2 _____	_____	66 _____	_____	_____	_____	66 _____	_____
P 3 _____	_____	69 _____	_____	_____	_____	69 _____	_____
P 4 _____	_____	72 _____	_____	_____	_____	72 _____	_____
P 5 _____	_____	75 _____	_____	_____	_____	75 _____	_____
P 6 _____	_____	78 _____	_____	_____	_____	78 _____	872 _____
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 _____	_____

5673
DST #2

TKT # 9090
I



Company Robinson Oil Company Lease & Well No. Landwehr 'B' #1
 Elevation ----- Formation Mississippi Effective Pay --- Ft. Ticket No. 9090
 Date 1/14/81 Sec. 6 Twp 33S Range 10W County Barber State Kansas
 Test Approved by Ray Goodin Western Representative Jeff Piotrowski
 Formation Test No. 2 Interval Tested from 4565 ft. to 4580 ft. Total Depth 4580 ft.
 Packer Depth 4560 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth 4565 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 4568 ft. Recorder Number 5673 Cap. 5400
 Bottom Recorder Depth (Outside) 4577 ft. Recorder Number 1565 Cap. 4500
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Sweetman Drilling Drill Collar Length 240 I. D. 2.2 in.
 Mud Type starch Viscosity 48 Weight Pipe Length - I. D. - in.
 Weight 9.3 Water Loss 10 cc. Drill Pipe Length 4505 I. D. 3.8 in.
 Chlorides N/C P.P.M. Test Tool Length 20 ft. Tool Size 5 1/2 OD in.
 Jars: Make - Serial Number - Anchor Length 15 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: Strong. Gas to surface in three minutes. See attached sheet for gas measurements.

Recovered 30 ft. of gas cut mud
 Recovered 60 ft. of muddy water
 Recovered 600 ft. of water Chlorides 111,000 ppm
 Recovered ft. of
 Recovered ft. of

Remarks:

Time Set Packer(s) 6:30 A.M. Time Started Off Bottom 10:00 A.M. Maximum Temperature 126°
 Initial Hydrostatic Pressure 2395 P.S.I.
 Initial Flow Period 30 Minutes (B) 112 P.S.I. to (C) 167 P.S.I.
 Initial Closed In Period 45 Minutes (D) 888 P.S.I.
 Final Flow Period 60 Minutes (E) 180 P.S.I. to (F) 309 P.S.I.
 Final Closed In Period 78 Minutes (G) 872 P.S.I.
 Final Hydrostatic Pressure 2395 P.S.I. (H)

GAS FLOW REPORT

Date 1/13/81 Ticket 9090 Company Robinson Oil Company
 Well Name and No. Landwehr "B" #1 Dst No. 2 Interval Tested 4565'-4580'
 County Barber State Kansas Sec. 6 Twp. 33S Rg. 10W

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
Gas to surface in three minutes. PRE FLOW						
	10 min.	7.0 PSIG	3/4" orifice			211,000 CFPD
	20 min.	7.0 PSIG	3/4" orifice			211,000 CFPD
	30 min.	7.0 PSIG	3/4" orifice			211,000 CFPD

SECOND FLOW						
	10 min.	7.0 PSIG	3/4" orifice			211,000 CFPD
	20 min.	6.0 PSIG	3/4" orifice			194,000 CFPD
	30 min.	6.0 PSIG	3/4" orifice			194,000 CFPD
	40 min.	6.0 PSIG	3/4" orifice			194,000 CFPD
	50 min.	6.0 PSIG	3/4" orifice			194,000 CFPD
	60 min.	6.0 PSIG	3/4" orifice			194,000 CFPD

GAS BOTTLE

Serial No. -- Date Bottle Filled --- Date to be Invoiced 1/13/81

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 Robinson Oil Company

Authorized by Ray Goodin

WESTERN TESTING CO., INC.

Pressure Data

Date 1/13/81 Recorder No. 5673 Capacity 5400 Test Ticket No. 9090
 Location 4568 Ft. Clock No. - Elevation - Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2395 P.S.I.	Open Tool	6:30P	M
B First Initial Flow Pressure	112 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	167 P.S.I.	Initial Closed-in Pressure	45 Mins.	45 Mins.
D Initial Closed-in Pressure	888 P.S.I.	Second Flow Pressure	60 Mins.	60 Mins.
E Second Initial Flow Pressure	180 P.S.I.	Final Closed-in Pressure	75 Mins.	78 Mins.
F Second Final Flow Pressure	309 P.S.I.			
G Final Closed-in Pressure	872 P.S.I.			
H Final Hydrostatic Mud	2395 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>26</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>112</u>	<u>0</u>	<u>167</u>	<u>0</u>	<u>180</u>	<u>0</u>	<u>309</u>
P 2 <u>5</u>	<u>109</u>	<u>3</u>	<u>844</u>	<u>5</u>	<u>180</u>	<u>3</u>	<u>825</u>
P 3 <u>10</u>	<u>111</u>	<u>6</u>	<u>858</u>	<u>10</u>	<u>194</u>	<u>2</u>	<u>836</u>
P 4 <u>15</u>	<u>120</u>	<u>9</u>	<u>863</u>	<u>15</u>	<u>204</u>	<u>9</u>	<u>844</u>
P 5 <u>20</u>	<u>139</u>	<u>12</u>	<u>874</u>	<u>20</u>	<u>219</u>	<u>12</u>	<u>850</u>
P 6 <u>25</u>	<u>153</u>	<u>15</u>	<u>877</u>	<u>25</u>	<u>230</u>	<u>15</u>	<u>852</u>
P 7 <u>30</u>	<u>167</u>	<u>18</u>	<u>880</u>	<u>30</u>	<u>246</u>	<u>18</u>	<u>854</u>
P 8		<u>21</u>	<u>882</u>	<u>35</u>	<u>254</u>	<u>21</u>	<u>856</u>
P 9		<u>24</u>	<u>883</u>	<u>40</u>	<u>268</u>	<u>24</u>	<u>858</u>
P10		<u>27</u>	<u>884</u>	<u>45</u>	<u>279</u>	<u>27</u>	<u>861</u>
P11		<u>30</u>	<u>885</u>	<u>50</u>	<u>287</u>	<u>30</u>	<u>863</u>
P12		<u>33</u>	<u>885</u>	<u>55</u>	<u>301</u>	<u>33</u>	<u>864</u>
P13		<u>36</u>	<u>886</u>	<u>60</u>	<u>309</u>	<u>36</u>	<u>865</u>
P14		<u>39</u>	<u>886</u>			<u>39</u>	<u>866</u>
P15		<u>42</u>	<u>887</u>			<u>42</u>	<u>867</u>
P16		<u>45</u>	<u>888</u>			<u>45</u>	<u>868</u>
P17						<u>48</u>	<u>869</u>
P18						<u>51</u>	<u>869</u>
P19						<u>54</u>	<u>870</u>
P20						<u>57</u>	<u>871</u>
						<u>60</u>	<u>872</u>

WESTERN TESTING-CO., INC.

Pressure Data

Date 1/13/81 Test Ticket No. 9090
 Recorder No. 5673 Capacity 5400 Location 4568 Ft.
 Clock No. - Elevation - Well Temperature 126 °F
 Point Pressure Time Given Time Computed
 A Initial Hydrostatic Mud 2395 P.S.I. Open Tool 6:30P M
 B First Initial Flow Pressure 112 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 167 P.S.I. Initial Closed-in Pressure 45 Mins. 45 Mins.
 D Initial Closed-in Pressure 888 P.S.I. Second Flow Pressure 60 Mins. 60 Mins.
 E Second Initial Flow Pressure 180 P.S.I. Final Closed-in Pressure 75 Mins. 78 Mins.
 F Second Final Flow Pressure 309 P.S.I.
 G Final Closed-in Pressure 872 P.S.I.
 H Final Hydrostatic Mud 2395 P.S.I.

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>15</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>26</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						63	872
P 2						66	872
P 3						69	872
P 4						72	872
P 5						75	872
P 6						78	872
P 7							
P 8							
P 9							
P10							
P11							
P12							
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							