



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

WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No 8611

Kelly Bushing

KANSAS CITY

Elevation 1748 K.B. Formation K.C. Eff. Pay Ft.

District St. Bench Date 10-22-80 Customer Order No.

COMPANY NAME Ruge Oil Co., Inc.

ADDRESS P.O. Box 2273 - 434 Ohio, Wichita, Ks. 67201

LEASE AND WELL NO. HADIGER #1 COUNTY Rice STATE Ks. Sec. 6 Twp 18S Rge 9SW

Mail Invoice To Co. Name Address No. Copies Requested 5

Mail Charts To Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2986 ft. to 3015 ft. Total Depth 3015 ft.

Packer Depth 2986 ft. Size 6 3/4 in. Packer Depth ft. Size in.

Packer Depth ft. Size 6 7/8 in. Packer Depth ft. Size in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 2991 ft. Recorder Number 6234 Cap. 4500

Bottom Recorder Depth (Outside) 2994 ft. Recorder Number 4339 Cap. 4300

Below Straddle Recorder Depth ft. Recorder Number Cap.

Drilling Contractor Ruge Oil Co. #1 Drill Collar Length I. D. in.

Mud Type 10 Viscosity 50 Weight Pipe Length 311 I. D. 2.7 in.

Weight 10.0 Water Loss 8.0 cc. Drill Pipe Length 2669 I. D. 3.8 in.

Chlorides 90000 P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.

Jars: Make Serial Number Anchor Length 29 ft. Size 5 1/2 in.

Did Well Flow? No Reversed Out No Surface Choke Size 1 1/2 in. Bottom Choke Size 1 1/2 in.

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

Blow: F.F. - Weak Blow Throughout Test

F.F. - Weak Blow Throughout

Recovered 90 ft. of Muddy Water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location 10:20 A.M. Time Pick Up Tool 10:50 A.M. Time Off Location 5:45 A.M.

Time Set Packer(s) 12:20 A.M. Time Started Off Bottom 2:35 A.M. Maximum Temperature 107°

Initial Hydrostatic Pressure (A) 1667 P.S.I.

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

Initial Closed In Period Minutes 45 (D) 1000 P.S.I.

Final Flow Period Minutes 30 (E) 80 P.S.I. to (F) 91 P.S.I.

Final Closed In Period Minutes 30 (G) 954 P.S.I.

Final Hydrostatic Pressure (H) 1656 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 Martha J. Koppa
Signature of Customer or his authorized representative

Western Representative Dan Delaney

FIELD INVOICE

Open Hole Test \$ 550.00
Misrun \$
Straddle Test \$
Jars \$
Selective Zone \$
Safety Joint \$
Standby \$
Evaluation \$
Extra Packer \$
Circ. Sub. \$
Mileage 28 MILE \$ 21.00
Fluid Sampler \$
Extra Charts \$
Insurance \$
TOTAL \$ 571.00

WESTERN TESTING CO., INC.

Pressure Data

Date 10-22-80 Recorder No. 6234 Capacity 4500 Test Ticket No. 8611
 Clock No. Elevation 1748 KB Location 2991 Ft.
 Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1683</u>	P.S.I.	Open Tool <u>12:20 A</u>	M <u> </u>
B First Initial Flow Pressure	<u>48</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins. <u>30</u> Mins.
C First Final Flow Pressure	<u>57</u>	P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins. <u>39</u> Mins.
D Initial Closed-in Pressure	<u>1000</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins. <u>30</u> Mins.
E Second Initial Flow Pressure	<u>80</u>	P.S.I.	Final Closed-in Pressure	<u>30</u> Mins. <u>24</u> Mins.
F Second Final Flow Pressure	<u>94</u>	P.S.I.		
G Final Closed-in Pressure	<u>955</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1649</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: 12 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

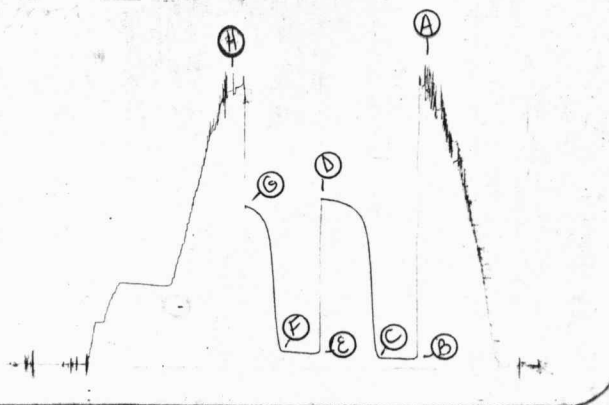
Second Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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>48</u>	0	<u>57</u>	0	<u>80</u>	0	<u>94</u>
P 2 5	<u>50</u>	3	<u>372</u>	5	<u>80</u>	3	<u>392</u>
P 3 10	<u>52</u>	6	<u>748</u>	10	<u>83</u>	6	<u>735</u>
P 4 15	<u>54</u>	9	<u>858</u>	15	<u>86</u>	9	<u>849</u>
P 5 20	<u>55</u>	12	<u>910</u>	20	<u>89</u>	12	<u>892</u>
P 6 25	<u>56</u>	15	<u>935</u>	25	<u>91</u>	15	<u>919</u>
P 7 30	<u>57</u>	18	<u>954</u>	30	<u>94</u>	18	<u>939</u>
P 8 35		21	<u>968</u>	35		21	<u>949</u>
P 9 40		24	<u>977</u>	40		24	<u>955</u>
P 10 45		27	<u>986</u>	45		27	
P 11 50		30	<u>993</u>	50		30	
P 12 55		33	<u>997</u>	55		33	
P 13 60		36	<u>1000</u>	60		36	
P 14		39	<u>1000</u>	65		39	
P 15		42		70		42	
P 16		45		75		45	
P 17		48		80		48	
P 18		51		85		51	
P 19		54		90		54	
P 20		57				57	
		60				60	

TKT # 8611
I

Handwritten notes: 11/16/77



Company Rupe Oil Company, Inc. Lease & Well No. Habiger #1
 Elevation 1748 Kelly Bushing Formation Kansas City Effective Pay - Ft. Ticket No. 8611
 Date 10/22/80 Sec. 6 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Martha T. K----- Western Representative Dan Delaney
 Formation Test No. 1 Interval Tested from 2986 ft. to 3015 ft. Total Depth 3015 ft.
 Packer Depth 2986 ft. Size 6 3/4 in. Packer Depth - ft. Size - in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 2991 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 2994 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Roco Drilling Rig #1 Drill Collar Length - I. D. - in.
 Mud Type - Viscosity 50 Weight Pipe Length 311 I. D. 2.7 in.
 Weight 10.0 Water Loss 8.0 cc. Drill Pipe Length 2669 I. D. 3.8 in.
 Chlorides 90.000 P.P.M. Test Tool Length 16 ft. Tool Size 4 1/2 in.
 Jars: Make -- Serial Number - Anchor Length 29 ft. Size 5 1/2 in.
 Did Well Flow? No Reversed Out No Surface Choke Size 1/2 in. Bottom Choke Size 1/2 in.
 Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak blow throughout test.

Recovered 90 ft. of muddy water

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:20 ~~P.M.~~ ^{A.M.} Time Started Off Bottom 2:35 ~~P.M.~~ ^{A.M.} Maximum Temperature 107°
 Initial Hydrostatic Pressure (A) 1683 P.S.I.
 Initial Flow Period Minutes 30 (B) 48 P.S.I. to (C) 57 P.S.I.
 Initial Closed In Period Minutes 29 (D) 1000 P.S.I.
 Final Flow Period Minutes 30 (E) 80 P.S.I. to (F) 94 P.S.I.
 Final Closed In Period Minutes 24 (G) 955 P.S.I.
 Final Hydrostatic Pressure (H) 1649 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-22-80 Test Ticket No. 8611
 Recorder No. 6234 Capacity 4500 Location 2991 Ft.
 Clock No. - Elevation 1748 Kelly Bushing Well Temperature 107 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1683</u> P.S.I.	Open Tool	<u>12:20A</u> M	
B First Initial Flow Pressure	<u>48</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>57</u> P.S.I.	Initial Closed-in Pressure	<u>45</u> Mins.	<u>39</u> Mins.
D Initial Closed-in Pressure	<u>1000</u> P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>80</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>24</u> Mins.
F Second Final Flow Pressure	<u>94</u> P.S.I.			
G Final Closed-in Pressure	<u>955</u> P.S.I.			
H Final Hydrostatic Mud	<u>1649</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>13</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>48</u>	<u>0</u>	<u>57</u>	<u>0</u>	<u>80</u>	<u>0</u>	<u>94</u>
P 2 <u>5</u>	<u>50</u>	<u>3</u>	<u>372</u>	<u>5</u>	<u>80</u>	<u>3</u>	<u>392</u>
P 3 <u>10</u>	<u>52</u>	<u>6</u>	<u>748</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>735</u>
P 4 <u>15</u>	<u>54</u>	<u>9</u>	<u>858</u>	<u>15</u>	<u>86</u>	<u>9</u>	<u>849</u>
P 5 <u>20</u>	<u>55</u>	<u>12</u>	<u>910</u>	<u>20</u>	<u>89</u>	<u>12</u>	<u>892</u>
P 6 <u>25</u>	<u>56</u>	<u>15</u>	<u>935</u>	<u>25</u>	<u>91</u>	<u>15</u>	<u>919</u>
P 7 <u>30</u>	<u>57</u>	<u>18</u>	<u>954</u>	<u>30</u>	<u>94</u>	<u>18</u>	<u>939</u>
P 8 _____		<u>21</u>	<u>968</u>			<u>21</u>	<u>949</u>
P 9 _____		<u>24</u>	<u>977</u>			<u>24</u>	<u>955</u>
P10 _____		<u>27</u>	<u>986</u>				
P11 _____		<u>30</u>	<u>993</u>				
P12 _____		<u>33</u>	<u>997</u>				
P13 _____		<u>36</u>	<u>1000</u>				
P14 _____		<u>39</u>	<u>1000</u>				
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							



WESTERN TESTING CO., INC.

FORMATION TESTING

TICKET No

8659

P. O. BOX 1599

PHONE (316) 262-5861

Elevation

1781 KB

Formation

Anbruckle

Eff. Pay

Ft.

WICHITA, KANSAS 67201

District

Great Bend

Date

10-23-80

Customer Order No.

COMPANY NAME

RUPE OIL CO. Inc.

ADDRESS

PO BOX 2273 WICHITA KS 67201

LEASE AND WELL NO.

HABIGER #1

COUNTY

Rice

STATE

KS

Sec.

6

Twp

18S Rge 9W

Mail Invoice To

Co. Name

SAME

Address

No. Copies Requested

5

Mail Charts To

SAME

Address

No. Copies Requested

5

Formation Test No.

#2

Interval Tested from

3238

ft. to

3265

ft.

Total Depth

3265

ft.

Packer Depth

3238

ft.

Size

658

in.

Packer Depth

ft.

Size

in.

Packer Depth

ft.

Size

in.

Packer Depth

ft.

Size

in.

Depth of Selective Zone Set

Top Recorder Depth (Inside)

3241

ft.

Recorder Number

6234

Cap.

4500

Bottom Recorder Depth (Outside)

3244

ft.

Recorder Number

4339

Cap.

4300

Below Straddle Recorder Depth

ft.

Recorder Number

Cap.

Drilling Contractor

ROCK DRILL CO. INC. #1

Mud Type

STARCH

Viscosity

47

Weight

9.9

Water Loss

100

cc.

Chlorides

93,000

P.P.M.

Jars: Make

Serial Number

Did Well Flow?

NO

Reversed Out

✓

Drill Collar Length

ft.

I. D.

in.

Weight Pipe Length

315

I. D.

3.7

Drill Pipe Length

2906

I. D.

3.8

Test Tool Length

17

ft.

Tool Size

5 1/2

Anchor Length

27

ft.

Size

5 1/2

Surface Choke Size

3/4

Bottom Choke Size

3/4

Main Hole Size

7 7/8

Tool Joint Size

4 1/2

Blow: ~~1st Blow~~ STRONG BLOW OFF BOTTOM BUCKET 2 IN 3 MIN.

2nd Blow STRONG BLOW OFF BOTTOM BUCKET

Recovered 1064 ft. of SALT WATER SLIGHTLY oil spotted

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time On Location

7:00

A.M.

Time Pick Up Tool

7:30

A.M.

Time Off Location

4:00

A.M.

Time Set Packer(s)

9:40

A.M.

Time Started Off Bottom

12:55 PM

Maximum Temperature

118°

Initial Hydrostatic Pressure

(A)

1882

P.S.I.

Initial Flow Period

Minutes

30

(B)

80

P.S.I. to (C)

298

P.S.I.

Initial Closed In Period

Minutes

45

(D)

847

P.S.I.

Final Flow Period

Minutes

60

(E)

344

P.S.I. to (F)

504

P.S.I.

Final Closed In Period

Minutes

60

(G)

763

P.S.I.

Final Hydrostatic Pressure

(H)

1871

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 of Customer or his authorized representative

Western Representative

FIELD INVOICE

Open Hole Test

\$ 550.00

Misrun

\$

Straddle Test

\$

Jars

\$

Selective Zone

\$

Safety Joint

\$

Standby

\$

Evaluation

\$

Extra Packer

\$

Circ. Sub.

Mileage

Fluid Sampler

Extra Charts

Insurance

TOTAL

WESTERN TESTING CO., INC.

Pressure Data

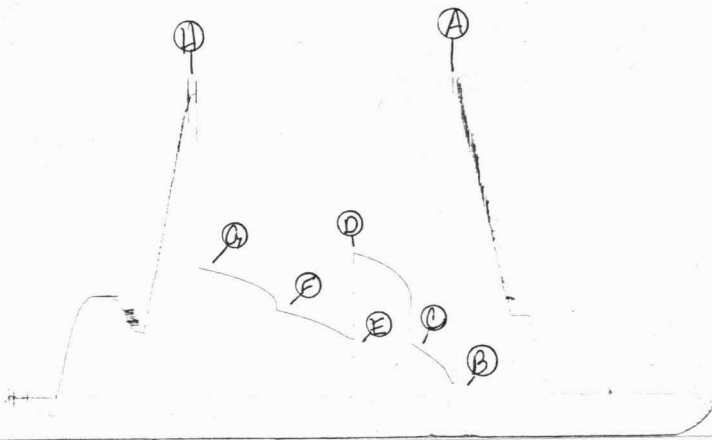
Date 10-23-80 Recorder No. 6234 Capacity 4500 Test Ticket No. 8659
 Clock No. Elevation 1781 K B Location 3241 Ft.
 Well Temperature 118 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1852</u>	P.S.I.	<u>9:40 A</u>	<u> </u>
B First Initial Flow Pressure	<u>71</u>	P.S.I.	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>305</u>	P.S.I.	<u>45</u> Mins.	<u>42</u> Mins.
D Initial Closed-in Pressure	<u>842</u>	P.S.I.	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>332</u>	P.S.I.	<u>60</u> Mins.	<u>57</u> Mins.
F Second Final Flow Pressure	<u>511</u>	P.S.I.		
G Final Closed-in Pressure	<u>761</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1780</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>14</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>19</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	Press.	Point	Press.	Point	Press.	Point	Press.
Mins.		Minutes		Minutes		Minutes	
P 1 <u>0</u>	<u>71</u>	<u>0</u>	<u>305</u>	<u>0</u>	<u>332</u>	<u>0</u>	<u>511</u>
P 2 <u>5</u>	<u>131</u>	<u>3</u>	<u>624</u>	<u>5</u>	<u>351</u>	<u>3</u>	<u>590</u>
P 3 <u>10</u>	<u>184</u>	<u>6</u>	<u>669</u>	<u>10</u>	<u>376</u>	<u>6</u>	<u>610</u>
P 4 <u>15</u>	<u>220</u>	<u>9</u>	<u>698</u>	<u>15</u>	<u>398</u>	<u>9</u>	<u>630</u>
P 5 <u>20</u>	<u>250</u>	<u>12</u>	<u>722</u>	<u>20</u>	<u>417</u>	<u>12</u>	<u>644</u>
P 6 <u>25</u>	<u>276</u>	<u>15</u>	<u>741</u>	<u>25</u>	<u>436</u>	<u>15</u>	<u>658</u>
P 7 <u>30</u>	<u>305</u>	<u>18</u>	<u>760</u>	<u>30</u>	<u>450</u>	<u>18</u>	<u>669</u>
P 8 <u>35</u>		<u>21</u>	<u>773</u>	<u>35</u>	<u>466</u>	<u>21</u>	<u>678</u>
P 9 <u>40</u>		<u>24</u>	<u>786</u>	<u>40</u>	<u>477</u>	<u>24</u>	<u>687</u>
P10 <u>45</u>		<u>27</u>	<u>797</u>	<u>45</u>	<u>489</u>	<u>27</u>	<u>696</u>
P11 <u>50</u>		<u>30</u>	<u>807</u>	<u>50</u>	<u>498</u>	<u>30</u>	<u>705</u>
P12 <u>55</u>		<u>33</u>	<u>818</u>	<u>55</u>	<u>511</u>	<u>33</u>	<u>712</u>
P13 <u>60</u>		<u>36</u>	<u>826</u>	<u>60</u>		<u>36</u>	<u>721</u>
P14		<u>39</u>	<u>833</u>	<u>65</u>		<u>39</u>	<u>726</u>
P15		<u>42</u>	<u>842</u>	<u>70</u>		<u>42</u>	<u>732</u>
P16		<u>45</u>		<u>75</u>		<u>45</u>	<u>739</u>
P17		<u>48</u>		<u>80</u>		<u>48</u>	<u>748</u>
P18		<u>51</u>		<u>85</u>		<u>51</u>	<u>752</u>
P19		<u>54</u>		<u>90</u>		<u>54</u>	<u>755</u>
P20		<u>57</u>				<u>57</u>	<u>761</u>
		<u>60</u>				<u>60</u>	

TKt# 8659
I.



Company Rupe Oil Company, Inc. Lease & Well No. Habiger #1
 Elevation 1781 Kelly Bushing Formation Arbuckle Effective Pay --- Ft. Ticket No. 8659
 Date 10/23/80 Sec. 6 Twp. 18S Range 9W County Rice State Kansas
 Test Approved by Martha T. Kopper Western Representative Cliff Scheuerman
 Formation Test No. 2 Interval Tested from 3238 ft. to 3265 ft. Total Depth 3265 ft.
 Packer Depth 3238 ft. Size 6 5/8 in. Packer Depth - ft. Size - in.
 Packer Depth - ft. Size - in. Packer Depth - ft. Size - in.
 Depth of Selective Zone Set -
 Top Recorder Depth (Inside) 3241 ft. Recorder Number 6234 Cap. 4500
 Bottom Recorder Depth (Outside) 3244 ft. Recorder Number 4339 Cap. 4300
 Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
 Drilling Contractor Roco Drilling Co. Rig #1 Drill Collar Length - I. D. - in.
 Mud Type starch Viscosity 47 Weight Pipe Length 315 I. D. 2.7 in.
 Weight 9.9 Water Loss 10.0 cc. Drill Pipe Length 2906 I. D. 3.8 in.
 Chlorides 93,000 P.P.M. Test Tool Length 17 ft. Tool Size 5 1/2 in.
 Jars: Make - Serial Number - Anchor Length 27 ft. Size 5 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 period strong blow off bottom bucket in three minutes.

Final flow period strong blow off bottom bucket.

Recovered 1064 ft. of salt water slightly oil spotted

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 9:40 ~~P.M.~~ A.M. Time Started Off Bottom 12:55 ~~P.M.~~ A.M. Maximum Temperature 118°
 Initial Hydrostatic Pressure (A) 1852 P.S.I.
 Initial Flow Period Minutes 30 (B) 71 P.S.I. to (C) 305 P.S.I.
 Initial Closed In Period Minutes 42 (D) 842 P.S.I.
 Final Flow Period Minutes 55 (E) 332 P.S.I. to (F) 511 P.S.I.
 Final Closed In Period Minutes 57 (G) 761 P.S.I.
 Final Hydrostatic Pressure (H) 1780 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-23-80 Test Ticket No. 8659
 Recorder No. 6234 Capacity 4500 Location 3241 Ft.
 Clock No. - Elevation 1781 Kelly Bushing Well Temperature 118 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	1852 P.S.I.	9:40A M	
B First Initial Flow Pressure	71 P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	305 P.S.I.	45 Mins.	42 Mins.
D Initial Closed-in Pressure	842 P.S.I.	60 Mins.	55 Mins.
E Second Initial Flow Pressure	332 P.S.I.	60 Mins.	57 Mins.
F Second Final Flow Pressure	511 P.S.I.		
G Final Closed-in Pressure	761 P.S.I.		
H Final Hydrostatic Mud	1780 P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>6</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>19</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>71</u>	<u>0</u>	<u>305</u>	<u>0</u>	<u>332</u>	<u>0</u>	<u>511</u>
P 2 <u>5</u>	<u>131</u>	<u>3</u>	<u>626</u>	<u>5</u>	<u>351</u>	<u>3</u>	<u>590</u>
P 3 <u>10</u>	<u>180</u>	<u>6</u>	<u>669</u>	<u>10</u>	<u>376</u>	<u>6</u>	<u>610</u>
P 4 <u>15</u>	<u>220</u>	<u>9</u>	<u>698</u>	<u>15</u>	<u>398</u>	<u>9</u>	<u>630</u>
P 5 <u>20</u>	<u>250</u>	<u>12</u>	<u>722</u>	<u>20</u>	<u>417</u>	<u>12</u>	<u>644</u>
P 6 <u>25</u>	<u>276</u>	<u>15</u>	<u>741</u>	<u>25</u>	<u>436</u>	<u>15</u>	<u>658</u>
P 7 <u>30</u>	<u>305</u>	<u>18</u>	<u>760</u>	<u>30</u>	<u>450</u>	<u>18</u>	<u>669</u>
P 8		<u>21</u>	<u>773</u>	<u>35</u>	<u>466</u>	<u>21</u>	<u>678</u>
P 9		<u>24</u>	<u>786</u>	<u>40</u>	<u>477</u>	<u>24</u>	<u>687</u>
P10		<u>27</u>	<u>797</u>	<u>45</u>	<u>489</u>	<u>27</u>	<u>696</u>
P11		<u>30</u>	<u>807</u>	<u>50</u>	<u>498</u>	<u>30</u>	<u>705</u>
P12		<u>33</u>	<u>818</u>	<u>55</u>	<u>511</u>	<u>33</u>	<u>712</u>
P13		<u>36</u>	<u>826</u>			<u>36</u>	<u>721</u>
P14		<u>39</u>	<u>833</u>			<u>39</u>	<u>726</u>
P15		<u>42</u>	<u>842</u>			<u>42</u>	<u>732</u>
P16						<u>45</u>	<u>739</u>
P17						<u>48</u>	<u>745</u>
P18						<u>51</u>	<u>752</u>
P19						<u>54</u>	<u>755</u>
P20						<u>57</u>	<u>761</u>