



P. O. BOX 1599 PHONE (316) 838-0601
WICHITA, KANSAS 67201

WESTERN TESTING CO., INC.

FORMATION TESTING

Kelly Bushing

TICKET No. 6389
Kansas City

Elevation

1853 K.B.

Formation

K.C.

Eff. Pay — Ft.

District

Great Bend

Date

7-12-80

Customer Order No.

COMPANY NAME

Rains & Williamson Oil Co. Inc.

ADDRESS

#35 Page Court Bldg - 220 West Douglas Wichita KS 67202

LEASE AND WELL NO. Bollen #1 COUNTY Russell STATE KS Sec. 11 Twp. 14S Rge. 13W

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

Mail Charts To same Address No. Copies Requested 5

Formation Test No. 1 Interval Tested from 2942 ft. to 3030 ft. Total Depth 3030 ft.

Packer Depth 2937 ft. Size 1 3/4 in. Packer Depth 2942 ft. Size 1 3/4 in.

Packer Depth — ft. Size — in. Packer Depth — ft. Size — in.

Depth of Selective Zone Set —

Top Recorder Depth (Inside) 2987 ft. Recorder Number 10207 Cap. 5400

Bottom Recorder Depth (Outside) 2990 ft. Recorder Number 969 Cap. 4200

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

Drilling Contractor RFW RIG #9 Drill Collar Length — I. D. — in.

Mud Type Starch Viscosity 1240 Weight 10.0 Water Loss 19.4 cc.

Chlorides 96,200 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.

Jars: Make — Serial Number — Anchor Length 88 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 1/2 in. Tool Joint Size 4 1/2 in.

Blow: Fain Blow increasing to strong first opening

Weak Blow slowly increasing to strong second opening

Recovered 420 ft. of watery mud with scum of oil

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Recovered — ft. of

Remarks: Chlorides 124,000 PPM

ON LOCATION AT 7:00 P.M. PICK UP TOOL AT 11:45 P.M. LEAVE AT 8:15 A.M.

Time Set Packer(s) 2:10 A.M. Time Started Off Bottom 4:43 A.M. Maximum Temperature 106

Initial Hydrostatic Pressure (A) 1713 P.S.I.

Initial Flow Period Minutes 30 (B) 109 P.S.I. to (C) 150 P.S.I.

Initial Closed In Period Minutes 30 (D) 997 P.S.I.

Final Flow Period Minutes 60 (E) 177 P.S.I. to (F) 273 P.S.I.

Final Closed In Period Minutes 30 (G) 983 P.S.I.

Final Hydrostatic Pressure (H) 1680 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.

has. Schantz

Test Approved By

Signature of Customer or his authorized representative

Western Representative

Roger Lisenby

Dennis Johnson

Lisenby

FIELD INVOICE

Open Hole Test \$ 550.00

Misrun \$

Straddle Test \$

Jars \$

Selective Zone \$

Safety Joint \$

Standby \$

Evaluation \$

Extra Packer \$

Circ. Sub. \$

Mileage \$ 36.00

Fluid Sampler \$

Extra Charts \$

TOTAL

\$ 586.00

Pressure Data

Date 7-12-80 Test Ticket No. 6389

Recorder No. 10207 Capacity 5400 Location 5400 Ft

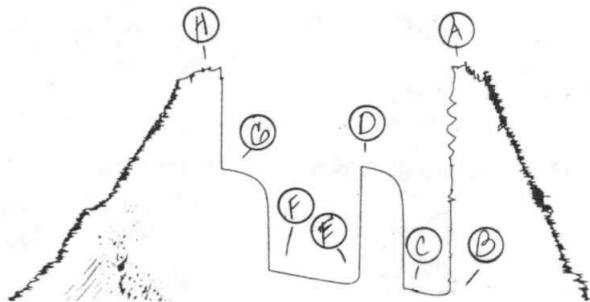
Clock No. _____ Elevation 1853 Kelly Bushing Well Temperature 106 °F

Point	Pressure	Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1700</u> P.S.I.	<u>2:10</u> A M	
B First Initial Flow Pressure	<u>117</u> P.S.I.	<u>30</u> Mins	<u>35</u> Mins
C First Final Flow Pressure	<u>145</u> P.S.I.	<u>30</u> Mins	<u>33</u> Mins
D Initial Closed-in Pressure	<u>997</u> P.S.I.	<u>60</u> Mins	<u>65</u> Mins
E Second Initial Flow Pressure	<u>195</u> P.S.I.	<u>30</u> Mins	<u>33</u> Mins
F Second Final Flow Pressure	<u>271</u> P.S.I.		
G Final Closed-in Pressure	<u>978</u> P.S.I.		
H Final Hydrostatic Mud	<u>1686</u> P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>11</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	<u>117</u>	0	<u>145</u>	0	<u>195</u>	0	<u>271</u>
P 2 5	<u>105</u>	3	<u>809</u>	5	<u>181</u>	3	<u>824</u>
P 3 10	<u>102</u>	6	<u>883</u>	10	<u>181</u>	6	<u>870</u>
P 4 15	<u>108</u>	9	<u>919</u>	15	<u>187</u>	9	<u>902</u>
P 5 20	<u>117</u>	12	<u>942</u>	20	<u>195</u>	12	<u>921</u>
P 6 25	<u>133</u>	15	<u>957</u>	25	<u>203</u>	15	<u>935</u>
P 7 30	<u>141</u>	18	<u>966</u>	30	<u>213</u>	18	<u>946</u>
P 8 35	<u>145</u>	21	<u>976</u>	35	<u>221</u>	21	<u>957</u>
P 9 40		24	<u>984</u>	40	<u>230</u>	24	<u>965</u>
P10 45		27	<u>991</u>	45	<u>237</u>	27	<u>969</u>
P11 50		30	<u>994</u>	50	<u>247</u>	30	<u>976</u>
P12 55		33	<u>997</u>	55	<u>255</u>	33	<u>978</u>
P13 60		36		60	<u>266</u>	36	<u>9</u>
P14		39		65	<u>271</u>	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	

TKt # 6389
I



10001

Company Rains & Williamson Oil Company, Inc. Lease & Well No. Boller #1
Elevation 1853 Kelly Bushing Kansas City Effective Pay ----- Ft. Ticket No. 6389
Date 7/12/80 Sec. 11 Twp. 14S Range 13W County Russell State Kansas
Test Approved by Chas. Schartz Western Representative Roger Lisenby

Formation Test No. 1 Interval Tested from 2942 ft. to 3030 ft. Total Depth 3030 ft.
Packer Depth 2937 ft. Size 6 3/4 in. Packer Depth 2942 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) 2987 ft. Recorder Number 10207 Cap. 5400
Bottom Recorder Depth (Outside) 2990 ft. Recorder Number 969 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Rains & Williamson Drlg. Rig #9 Drill Collar Length -- I. D. - in.
Mud Type starch Viscosity 40 Weight Pipe Length 497 I. D. 3.4 in.
Weight 10.0 Water Loss 19.4 cc. Drill Pipe Length 2424 I. D. 3.8 in.
Chlorides 96,200 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
Jars: Make -- Serial Number -- Anchor Length 88 ft. Size 5 1/2 with 2 Jars Drill Pipe
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: Fair blow increasing to strong on initial opening. Weak blow slowly increasing to strong on final opening.

Recovered 420 ft. of watery mud with scum of oil
Recovered - ft. of Chlorides 124,000 ppm
Recovered - ft. of -
Recovered - ft. of -
Recovered - ft. of -
Remarks: -

Time Set Packer(s) <u>2:10</u>	<u>A.M.</u> <u>P.M.</u>	Time Started Off Bottom <u>4:43</u>	<u>A.M.</u> <u>P.M.</u>	Maximum Temperature <u>106°</u>
Initial Hydrostatic Pressure		(A) <u>1700</u>	P.S.I.	
Initial Flow Period	Minutes <u>35</u>	(B) <u>117</u>	P.S.I. to (C)	<u>145</u> P.S.I.
Initial Closed In Period	Minutes <u>33</u>	(D) <u>997</u>	P.S.I.	
Final Flow Period	Minutes <u>65</u>	(E) <u>195</u>	P.S.I. to (F)	<u>271</u> P.S.I.
Final Closed In Period	Minutes <u>33</u>	(G) <u>978</u>	P.S.I.	
Final Hydrostatic Pressure		(H) <u>1686</u>	P.S.I.	

WESTERN TESTING CO., INC.

Pressure Data

Date 7-12-80 Test Ticket No. 6389
 Recorder No. 10207 Capacity 5400 Location 5400 Ft.
 Clock No. -- Elevation 1853 Kelly Bushing Well Temperature 106 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1700</u> P.S.I.	Open Tool	<u>2:10</u> AM	
B First Initial Flow Pressure	<u>117</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>145</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>997</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>65</u> Mins.
E Second Initial Flow Pressure	<u>195</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>271</u> P.S.I.			
G Final Closed-in Pressure	<u>978</u> P.S.I.			
H Final Hydrostatic Mud	<u>1686</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>13</u> Inc.		Breakdown: <u>11</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>117</u>	<u>0</u>	<u>145</u>	<u>0</u>	<u>195</u>	<u>0</u>	<u>271</u>
P 2 <u>5</u>	<u>105</u>	<u>3</u>	<u>809</u>	<u>5</u>	<u>181</u>	<u>3</u>	<u>824</u>
P 3 <u>10</u>	<u>102</u>	<u>6</u>	<u>883</u>	<u>10</u>	<u>181</u>	<u>6</u>	<u>870</u>
P 4 <u>15</u>	<u>108</u>	<u>9</u>	<u>919</u>	<u>15</u>	<u>187</u>	<u>9</u>	<u>902</u>
P 5 <u>20</u>	<u>117</u>	<u>12</u>	<u>942</u>	<u>20</u>	<u>195</u>	<u>12</u>	<u>921</u>
P 6 <u>25</u>	<u>133</u>	<u>15</u>	<u>957</u>	<u>25</u>	<u>203</u>	<u>15</u>	<u>935</u>
P 7 <u>30</u>	<u>141</u>	<u>18</u>	<u>966</u>	<u>30</u>	<u>213</u>	<u>18</u>	<u>946</u>
P 8 <u>35</u>	<u>145</u>	<u>21</u>	<u>976</u>	<u>35</u>	<u>221</u>	<u>21</u>	<u>957</u>
P 9		<u>24</u>	<u>984</u>	<u>40</u>	<u>230</u>	<u>24</u>	<u>965</u>
P10		<u>27</u>	<u>991</u>	<u>45</u>	<u>237</u>	<u>27</u>	<u>969</u>
P11		<u>30</u>	<u>994</u>	<u>50</u>	<u>247</u>	<u>30</u>	<u>976</u>
P12		<u>33</u>	<u>997</u>	<u>55</u>	<u>255</u>	<u>33</u>	<u>978</u>
P13				<u>60</u>	<u>266</u>		
P14				<u>65</u>	<u>271</u>		
P15							
P16							
P17							
P18							
P19							
P20							



WESTERN TESTING CO., INC.

FORMATION TESTING

Kelly Bushing

TICKET No
Kansas City

6390

P. O. BOX 1599 PHONE (316) 838-0601

WICHITA, KANSAS 67201

Elevation

1853 K.B.

Formation

KC

Eff. Pay — Ft.

District

Great Bend

Date

7-13-80

Customer Order No.

COMPANY NAME

Rains + Williamson Oil Co. INC.

ADDRESS

435 Page Court Bld. 220 West Douglas Wichita KS 67202

LEASE AND WELL NO.

Boller #1

COUNTY

Russell

STATE

KS

Sec. 11

Twp. 14S

Rge. 13W

Mail Invoice To

Co. Name

Same

Address

No. Copies Requested

5

Mail Charts To

Co. Name

Same

Address

No. Copies Requested

5

Formation Test No.

2

Interval Tested from

3081

ft. to

3127

ft.

Total Depth

3127

ft.

Packer Depth

3076

ft.

Size

6 3/4

in.

Packer Depth

3081

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)

3116

Bottom Recorder Depth (Outside)

3119

ft.

Below Straddle Recorder Depth

ft.

Recorder Number

11207

Cap.

5400

Recorder Number

969

Cap.

4200

Recorder Number

Cap.

Drilling Contractor

R+W Rig #9

Mud Type

Starch

Viscosity

38

Weight

9.8

Water Loss

16.6

cc.

Chlorides

72000

P.P.M.

Jars: Make

Serial Number

Did Well Flow?

NO

Reversed Out

NO

Drill Collar Length

I. D.

in.

Weight Pipe Length

497

I. D.

3.4

in.

Drill Pipe Length

2563

I. D.

3.8

in.

Test Tool Length

21

ft.

Tool Size

4 3/4

in.

Anchor Length

46

ft.

Size

5 1/2

in.

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: WEAK INCREASING TO 5 INCHES IN BUCKET FIRST OPENING
WEAK BLOW INCREASING TO 4 INCHES IN BUCKET SECOND OPENING

Recovered

50 ft. of TOTAL FLUID

Recovered

30 ft. of OIL CUT MUD 50% OIL 10% water 40% mud

Recovered

60 ft. of 30% OIL 22% water 75% mud

Recovered

60 ft. of SUM OF OIL - 40% water 60% mud

Recovered

ft. of

Remarks:

Chlorides 92000 P.P.M.

on location 10:45 PM Pick up tool 11:15 PM. Leave at 8:00 AM.

Time Set Packer(s)

1:51

A.M.

Time Started Off Bottom

4:24

A.M.

Maximum Temperature

108

Initial Hydrostatic Pressure

(A)

1727

P.S.I.

Initial Flow Period

Minutes

30

(B)

81

P.S.I.

to (C)

95

P.S.I.

Initial Closed In Period

Minutes

30

(D)

942

P.S.I.

Final Flow Period

Minutes

60

(E)

109

P.S.I.

to (F)

122

P.S.I.

Final Closed In Period

Minutes

30

(G)

824

P.S.I.

Final Hydrostatic Pressure

(H)

1713

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

Chas Schnatz

Western Representative

Roger Lisenby

Lisenby

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

\$

TOTAL

\$ 586.00

WESTERN TESTING CO., INC.
Pressure Data

Date 7-13-80 Test Ticket No. 6390
Recorder No. 10207 Capacity 5400 Location 3116 Ft.
Clock No. _____ Elevation 1853 KB Well Temperature 108 °F

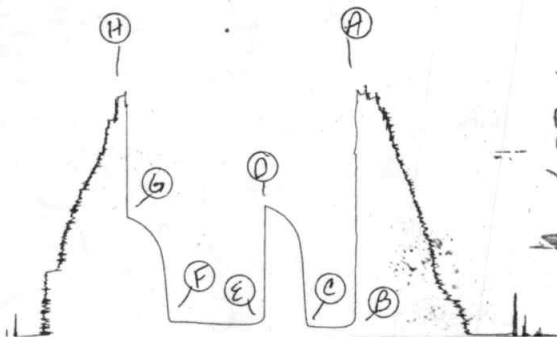
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1732</u> P.S.I.	Open Tool	<u>1:51</u> A M	
B First Initial Flow Pressure	<u>108</u> P.S.I.	First Flow Pressure	<u>30</u> Mins	<u>35</u> Mins
C First Final Flow Pressure	<u>75</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins	<u>33</u> Mins
D Initial Closed-in Pressure	<u>932</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins	<u>70</u> Mins
E Second Initial Flow Pressure	<u>119</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins	<u>30</u> Mins
F Second Final Flow Pressure	<u>132</u> P.S.I.			
G Final Closed-in Pressure	<u>867</u> P.S.I.			
H Final Hydrostatic Mud	<u>1716</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>14</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>108</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>119</u>	<u>0</u>	<u>133</u>
P 2 <u>5</u>	<u>92</u>	<u>3</u>	<u>431</u>	<u>5</u>	<u>114</u>	<u>3</u>	<u>447</u>
P 3 <u>10</u>	<u>81</u>	<u>6</u>	<u>648</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>607</u>
P 4 <u>15</u>	<u>81</u>	<u>9</u>	<u>745</u>	<u>15</u>	<u>108</u>	<u>9</u>	<u>683</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>789</u>	<u>20</u>	<u>108</u>	<u>12</u>	<u>732</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>827</u>	<u>25</u>	<u>108</u>	<u>15</u>	<u>767</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>856</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>797</u>
P 8 <u>35</u>	<u>75</u>	<u>21</u>	<u>878</u>	<u>35</u>	<u>116</u>	<u>21</u>	<u>817</u>
P 9 <u>40</u>		<u>24</u>	<u>894</u>	<u>40</u>	<u>118</u>	<u>24</u>	<u>835</u>
P10 <u>45</u>		<u>27</u>	<u>912</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>851</u>
P11 <u>50</u>		<u>30</u>	<u>926</u>	<u>50</u>	<u>125</u>	<u>30</u>	<u>867</u>
P12 <u>55</u>		<u>33</u>	<u>932</u>	<u>55</u>	<u>130</u>	<u>33</u>	
P13 <u>60</u>		<u>36</u>		<u>60</u>	<u>132</u>	<u>36</u>	
P14		<u>39</u>		<u>65</u>	<u>133</u>	<u>39</u>	
P15		<u>42</u>		<u>70</u>	<u>133</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>	

IR# 6390

I



Company Rains & Williamson Oil Company, Inc. Lease & Well No. Boller #1
Elevation 1853 Kelly Bushing Formation Kansas City Effective Pay ----- Ft. Ticket No. 6390
Date 7/13/80 Sec. 11 Twp. 14S Range 13W County Russell State Kansas
Test Approved by Chas. Schartz Western Representative Roger Lisenby

Formation Test No. 2 Interval Tested from 3081 ft. to 3127 ft. Total Depth 3127 ft.
Packer Depth 3076 ft. Size 6 3/4 in. Packer Depth 3081 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) 3116 ft. Recorder Number 11207 Cap. 5400
Bottom Recorder Depth (Outside) 3119 ft. Recorder Number 969 Cap. 4200
Below Straddle Recorder Depth - ft. Recorder Number - Cap. -
Drilling Contractor Rains & Williamson Rig #9 Drill Collar Length -- I. D. - in.
Mud Type starch Viscosity 38 Weight Pipe Length 497 I. D. 3.4 in.
Weight 9.8 Water Loss 16.6 cc. Drill Pipe Length 2563 I. D. 3.8 in.
Chlorides 72,000 P.P.M. Test Tool Length 21 ft. Tool Size 4 3/4 in.
Jars: Make -- Serial Number - Anchor Length 46 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 7/8 in. Tool Joint Size 4 1/2 FH in.

Blow: Weak, increasing to five inches in bucket initial opening. Weak blow, increasing to four inches in bucket final opening.

Recovered 30 ft. of oil cut mud (50% oil;10% water;40% mud)
Recovered 60 ft. of 3% oil;22% water;75% mud
Recovered 60 ft. of scum of oil - 40% water;60% mud
Recovered - ft. of Chlorides 97,000 ppm
Recovered - ft. of -
Remarks: -

Time Set Packer(s) 1:51 A.M. Time Started Off Bottom 4:24 P.M. Maximum Temperature 108°
Initial Hydrostatic Pressure (A) 1732 P.S.I.
Initial Flow Period Minutes 35 (B) 108 P.S.I. to (C) 75 P.S.I.
Initial Closed In Period Minutes 33 (D) 932 P.S.I.
Final Flow Period Minutes 70 (E) 119 P.S.I. to (F) 132 P.S.I.
Final Closed In Period Minutes 30 (G) 867 P.S.I.
Final Hydrostatic Pressure (H) 1716 P.S.I.

WESTERN TESTING CO., INC.

Pressure Data

Date 7-13-80 Test Ticket No. 6390
 Recorder No. 10207 Capacity 5400 Location 3116 Ft.
 Clock No. -- Elevation 1853 Kelly Bushing Well Temperature 108 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	1732 P.S.I.	Open Tool	1:51 A. M.	
B First Initial Flow Pressure	108 P.S.I.	First Flow Pressure	30 Mins.	35 Mins.
C First Final Flow Pressure	75 P.S.I.	Initial Closed-in Pressure	30 Mins.	33 Mins.
D Initial Closed-in Pressure	932 P.S.I.	Second Flow Pressure	60 Mins.	70 Mins.
E Second Initial Flow Pressure	119 P.S.I.	Final Closed-in Pressure	30 Mins.	30 Mins.
F Second Final Flow Pressure	132 P.S.I.			
G Final Closed-in Pressure	867 P.S.I.			
H Final Hydrostatic Mud	1716 P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>7</u> Inc.		Breakdown: <u>11</u> Inc.		Breakdown: <u>14</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>108</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>119</u>	<u>0</u>	<u>133</u>
P 2 <u>5</u>	<u>92</u>	<u>3</u>	<u>431</u>	<u>5</u>	<u>114</u>	<u>3</u>	<u>447</u>
P 3 <u>10</u>	<u>81</u>	<u>6</u>	<u>648</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>607</u>
P 4 <u>15</u>	<u>81</u>	<u>9</u>	<u>745</u>	<u>15</u>	<u>108</u>	<u>9</u>	<u>683</u>
P 5 <u>20</u>	<u>84</u>	<u>12</u>	<u>789</u>	<u>20</u>	<u>108</u>	<u>12</u>	<u>732</u>
P 6 <u>25</u>	<u>73</u>	<u>15</u>	<u>827</u>	<u>25</u>	<u>108</u>	<u>15</u>	<u>767</u>
P 7 <u>30</u>	<u>75</u>	<u>18</u>	<u>856</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>797</u>
P 8 <u>35</u>	<u>75</u>	<u>21</u>	<u>878</u>	<u>35</u>	<u>116</u>	<u>21</u>	<u>817</u>
P 9		<u>24</u>	<u>894</u>	<u>40</u>	<u>118</u>	<u>24</u>	<u>836</u>
P10		<u>27</u>	<u>912</u>	<u>45</u>	<u>122</u>	<u>27</u>	<u>851</u>
P11		<u>30</u>	<u>926</u>	<u>50</u>	<u>125</u>	<u>30</u>	<u>867</u>
P12		<u>33</u>	<u>932</u>	<u>55</u>	<u>130</u>		
P13				<u>60</u>	<u>132</u>		
P14				<u>65</u>	<u>133</u>		
P15				<u>70</u>	<u>133</u>		
P16							
P17							
P18							
P19							
P20							