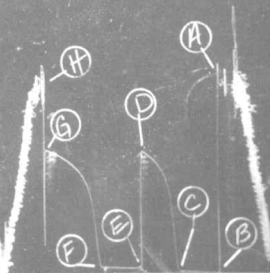


TRT. # 21670
I



2606



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Bowlby #1
 Elevation 1203 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 21670
 Date 10-21-76 Sec. 2 Twp. 29S Range 4E County Butler State Kansas
 Test Approved by Robert G. Brooks Western Representative Lonnie J. Cline
 Formation Test No. 1 O.K. Misrun Interval Tested From 2172' to 2192' Total Depth 2192'
 Size Main Hole 7 7/8 Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 2167 Ft. Size 6 3/4 Bottom Packer Depth 2172 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
 Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 20 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 2184 Ft. Clock No. 6799 Depth 2187 Ft. Clock No. 9726
 Top Make Kuster Cap. 4150 No. 2606 Inside Outside Bottom Make Kuster Cap. 4000 No. 3351 Inside Outside
 Below Straddle: Depth - Rec. No. - Clock No. - Inside Outside Depth - Ft. Rec. No. - Clock No. - Inside Outside
 Time Set Packer 8:20 A. M
 Tool Open I.F.P. From 8:23A M. to 8:53A M. - Hr. 30 Min. From (B) 6 P.S.I. To (C) 17 P.S.I.
 Tool Closed I.C.I.P. From 8:53A M. to 9:23A M. - Hr. 30 Min (D) 697 P.S.I.
 Tool Open F.F.P. From 9:23A M. to 9:53A M. - Hr. 30 Min. From (E) 54 P.S.I. To (F) 44 P.S.I.
 Tool Closed F.C.I.P. From 9:53A M. to 10:38A M. - Hr. 45 Min. (G) 705 P.S.I.
 Initial Hydrostatic Pressure (A) 1064 S.I. Final Hydrostatic Pressure (H) 1064 P.S.I. Maximum Temp. -

INFORMATION

BLOW Poor blow throughout test.
 Did Well Flow - Yes No Recovery Total Fr. 7' of very slightly gas cut mud.
 Reversed Out - Yes No Mud Type Chem Viscosity 42 Weight 9.2 Water Loss 12.0 cc. Chlorides 2000 PPM
 EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size - In. Make - Ser. No. -
 Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? -
 DRILLING CONTRACTOR White & Ellis Drlg. Co. Length Drill Pipe? 2012 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
 Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 139 Ft. I.D. Drill Collars 2 1/4 In.
 Tool Joint Size 4 1/2 H-90 n. Length D.S.T. Tool 40 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 10-21-76

Test Ticket No. 21670

Recorder No. 2606 Capacity 4150

Location 2184 Ft.

Clock No. 6799 Elevation 1203 Kelly Bushing

Well Temperature - °F

Point	Pressure	
A Initial Hydrostatic Mud	<u>1064</u>	P.S.I.
B First Initial Flow Pressure	<u>6</u>	P.S.I.
C First Final Flow Pressure	<u>17</u>	P.S.I.
D Initial Closed-in Pressure	<u>697</u>	P.S.I.
E Second Initial Flow Pressure	<u>54</u>	P.S.I.
F Second Final Flow Pressure	<u>44</u>	P.S.I.
G Final Closed-in Pressure	<u>705</u>	P.S.I.
H Final Hydrostatic Mud	<u>1064</u>	P.S.I.

Open Tool
First Flow Pressure
Initial Closed-in Pressure
Second Flow Pressure
Final Closed-in Pressure

Time Given	Time Computed
<u>8:20A</u>	<u>M</u>
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.
<u>30</u> Mins.	<u>30</u> Mins.
<u>45</u> Mins.	<u>42</u> Mins.

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.

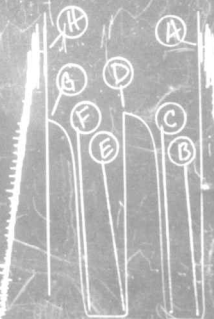
Second Flow Pressure
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In
Breakdown: 13 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>6</u>	<u>0</u>	<u>17</u>	<u>0</u>	<u>54</u>	<u>0</u>	<u>44</u>
P 2 <u>5</u>	<u>7</u>	<u>3</u>	<u>108</u>	<u>5</u>	<u>35</u>	<u>3</u>	<u>114</u>
P 3 <u>10</u>	<u>8</u>	<u>6</u>	<u>373</u>	<u>10</u>	<u>36</u>	<u>6</u>	<u>322</u>
P 4 <u>15</u>	<u>10</u>	<u>9</u>	<u>504</u>	<u>15</u>	<u>37</u>	<u>9</u>	<u>452</u>
P 5 <u>20</u>	<u>12</u>	<u>12</u>	<u>558</u>	<u>20</u>	<u>40</u>	<u>12</u>	<u>517</u>
P 6 <u>25</u>	<u>15</u>	<u>15</u>	<u>595</u>	<u>25</u>	<u>42</u>	<u>15</u>	<u>556</u>
P 7 <u>30</u>	<u>17</u>	<u>18</u>	<u>626</u>	<u>30</u>	<u>44</u>	<u>18</u>	<u>587</u>
P 8 _____	_____	<u>21</u>	<u>651</u>	_____	_____	<u>21</u>	<u>610</u>
P 9 _____	_____	<u>24</u>	<u>670</u>	_____	_____	<u>24</u>	<u>630</u>
P10 _____	_____	<u>27</u>	<u>690</u>	_____	_____	<u>27</u>	<u>649</u>
P11 _____	_____	<u>30</u>	<u>697</u>	_____	_____	<u>30</u>	<u>661</u>
P12 _____	_____	_____	_____	_____	_____	<u>33</u>	<u>674</u>
P13 _____	_____	_____	_____	_____	_____	<u>36</u>	<u>686</u>
P14 _____	_____	_____	_____	_____	_____	<u>39</u>	<u>696</u>
P15 _____	_____	_____	_____	_____	_____	<u>42</u>	<u>705</u>
P16 _____	_____	_____	_____	_____	_____	_____	_____
P17 _____	_____	_____	_____	_____	_____	_____	_____
P18 _____	_____	_____	_____	_____	_____	_____	_____
P19 _____	_____	_____	_____	_____	_____	_____	_____
P20 _____	_____	_____	_____	_____	_____	_____	_____

TRT. # 25242

D.



29-51



Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Bowlby #1

Elevation - Formation Kansas City Effective Pay - Ft. Ticket No. 25242

Date 10-22-76 Sec. 2 Twp. 29S Range 4E County Butler State Kansas

Test Approved by Robert G. Brooks Western Representative Bill Baker

Formation Test No. 2 O.K. Misrun Interval Tested From 2331' to 2345' Total Depth 2345'

Size Main Hole 7 7/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No

Top Packer Depth 2326 Ft. Size 6 3/4 Bottom Packer Depth 2331 Ft. Size 6 3/4

Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 14 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2337 Ft. Clock No. 6896 Depth 2340 Ft. Clock No. 6866

Top Make Kuster Cap. 4200 No. 1559 Inside Kuster Bottom Make Kuster Cap. 3150 No. 1562 Inside Outside

Below Straddle: Depth Rec. No. Clock No. Inside Outside Depth Ft. Rec. No. Clock No. Inside Outside

Time Set Packer 1:28A. M

Tool Open I.F.P. From 1:30A M. to 2:00A M. - Hr. 30 Min. From (B) 6 P.S.I. To (C) 14 P.S.I.

Tool Closed I.C.I.P. From 2:00A M. to 2:30A M. - Hr. 30 Min (D) 885 P.S.I.

Tool Open F.F.P. From 2:30A M. to 3:00A M. - Hr. 30 Min. From (E) 44 P.S.I. To (F) 33 P.S.I.

Tool Closed F.C.I.P. From 3:00A M. to 3:30A M. - Hr. 30 Min. (G) 860 P.S.I.

Initial Hydrostatic Pressure (A) 1157 P.S.I. Final Hydrostatic Pressure (H) 1151 P.S.I. Maximum Temp. 93

INFORMATION

BLOW Very weak blow for 15 minutes, then died.

Did Well Flow Yes No Recovery Total Ft. 15' of drilling mud.

Reversed Out Yes No Mud Type Chem Viscosity 38 Weight 9.4 Water Loss 10.8 cc. Chlorides 2800 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size In. Make Ser. No.

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where?

DRILLING CONTRACTOR White & Ellis Drlg., Inc. Length Drill Pipe? 2202 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 143 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 In. Length D.S.T. Tool 34 Ft.

Remarks: Read outside recorder #1562.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-22-76

Test Ticket No. 25242

Recorder No. 1562 Capacity 3150 Location 2340 Ft.

Clock No. 6866 Elevation - Well Temperature 93 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1157</u>	P.S.I.	<u>1:28A.</u>	<u>M</u>
B First Initial Flow Pressure	<u>6</u>	P.S.I.	<u>30</u>	<u>25</u>
C First Final Flow Pressure	<u>14</u>	P.S.I.	<u>30</u>	<u>30</u>
D Initial Closed-in Pressure	<u>885</u>	P.S.I.	<u>30</u>	<u>30</u>
E Second Initial Flow Pressure	<u>44</u>	P.S.I.	<u>30</u>	<u>27</u>
F Second Final Flow Pressure	<u>33</u>	P.S.I.		
G Final Closed-in Pressure	<u>860</u>	P.S.I.		
H Final Hydrostatic Mud	<u>1151</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure

Breakdown: 5 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

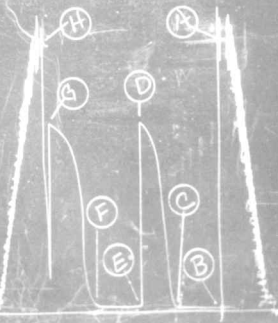
Breakdown: 6 Inc.
of 5 mins. and a
final inc. of 0 Min.

Final Shut-In

Breakdown: 9 Inc.
of 3 mins. and a
final inc. of 0 Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>6</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>44</u>	<u>0</u>	<u>33</u>
P 2 <u>5</u>	<u>9</u>	<u>3</u>	<u>298</u>	<u>5</u>	<u>30</u>	<u>3</u>	<u>111</u>
P 3 <u>10</u>	<u>9</u>	<u>6</u>	<u>732</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>506</u>
P 4 <u>15</u>	<u>11</u>	<u>9</u>	<u>817</u>	<u>15</u>	<u>31</u>	<u>9</u>	<u>733</u>
P 5 <u>20</u>	<u>13</u>	<u>12</u>	<u>830</u>	<u>20</u>	<u>31</u>	<u>12</u>	<u>791</u>
P 6 <u>25</u>	<u>14</u>	<u>15</u>	<u>849</u>	<u>25</u>	<u>33</u>	<u>15</u>	<u>819</u>
P 7 _____		<u>18</u>	<u>863</u>	<u>30</u>	<u>33</u>	<u>18</u>	<u>836</u>
P 8 _____		<u>21</u>	<u>869</u>			<u>21</u>	<u>847</u>
P 9 _____		<u>24</u>	<u>875</u>			<u>24</u>	<u>855</u>
P10 _____		<u>27</u>	<u>883</u>			<u>27</u>	<u>860</u>
P11 _____		<u>30</u>	<u>885</u>				
P12 _____							
P13 _____							
P14 _____							
P15 _____							
P16 _____							
P17 _____							
P18 _____							
P19 _____							
P20 _____							

TKT # 25243





Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Bowlby #1
Elevation 1203 Kelly Bush. Formation Kansas City Effective Pay - Ft. Ticket No. 25243
Date 10-22-76 Sec. 2 Twp. 29S Range 4E County Butler State Kansas
Test Approved by Robert G. Brooks Western Representative Bill Baker

Formation Test No. 3 O.K. Misrun Interval Tested From 2350' to 2368' Total Depth 2368'
Size Main Hole 7 7/8 Cat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 2345 Ft. Size 6 3/4 Bottom Packer Depth 2350 Ft. Size 6 3/4
Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size
Tool Size 5 1/2 OD Tool Joint Size 4 1/2 FH Anchor Length 18 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 2361 Ft. Clock No. 6896 Depth 2364 Ft. Clock No. 6866
Top Make Kuster Cap. 4200 No. 1559 Inside Outside Bottom Make Kuster Cap. 3150 No. 1562 Inside Outside
Below Straddle: Depth Rec. No. Clock No. Outside Depth Ft. Rec. No. Clock No. Outside

Time Set Packer 10:28A. M
Tool Open I.F.P. From 10:30A M. to 11:00A M. - Hr. 30 Min. From (B) 11 P.S.I. To (C) 14 P.S.I.
Tool Closed I.C.I.P. From 11:00A M. to 11:30A M. - Hr. 30 Min (D) 803 P.S.I.
Tool Open F.F.P. From 11:30A M. to 12:00R M. - Hr. 30 Min. From (E) 31 P.S.I. To (F) 31 P.S.I.
Tool Closed F.C.I.P. From 12:00R M. to 12:45R M. - Hr. 45 Min. (G) 800 P.S.I.
Initial Hydrostatic Pressure (A) 1151 P.S.I. Final Hydrostatic Pressure (H) 1145 P.S.I. Maximum Temp. 95

INFORMATION

BLOW Very weak blow for 15 minutes, then died during initial flow period. Very weak blow for the last 20 minutes of final flow period.

Did Well Flow Yes No Recovery Total Ft. 10' of heavy drilling mud.

Reversed Out Yes No Mud Type Chem Viscosity 45 Weight 9.5 Water Loss 10.4 cc. Chlorides 2400 PPM

EXTRA EQUIPMENT: Type Circ. Sub. Pin Safety Joint Jars: Size In. Make Ser. No.

Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where?

DRILLING CONTRACTOR White & Ellis Drlg. Inc. Length Drill Pipe? 2225 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.

Length Weight Pipe Ft. I.D. Weight Pipe In. Tool Joint Size In. Length Drill Collars 143 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H-90 Length D.S.T. Tool 38 Ft.

Remarks: Read outside recorder #1562.

WESTERN TESTING CO., INC.
Pressure Data

Date 10-22-76

Test Ticket No. 25243

Recorder No. 1562 Capacity 3150 Location 2364 Ft.

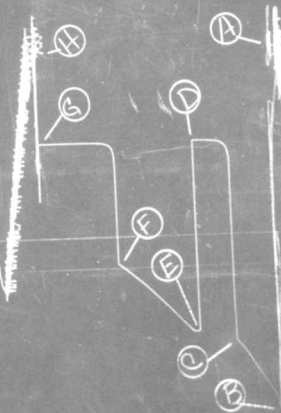
Clock No. 6866 Elevation 1203 Kelly Bushing Well Temperature 95 °F

Point	Pressure			Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1151</u>	P.S.I.	Open Tool	<u>10:28A</u> M	
B First Initial Flow Pressure	<u>11</u>	P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C First Final Flow Pressure	<u>14</u>	P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>803</u>	P.S.I.	Second Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
E Second Initial Flow Pressure	<u>31</u>	P.S.I.	Final Closed-in Pressure	<u>45</u> Mins.	<u>36</u> Mins.
F Second Final Flow Pressure	<u>31</u>	P.S.I.			
G Final Closed-in Pressure	<u>800</u>	P.S.I.			
H Final Hydrostatic Mud	<u>1145</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>9</u> Inc.		Breakdown: <u>7</u> Inc.		Breakdown: <u>12</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>11</u>	<u>0</u>	<u>14</u>	<u>0</u>	<u>31</u>	<u>0</u>	<u>35</u>
P 2 <u>5</u>	<u>10</u>	<u>3</u>	<u>47</u>	<u>5</u>	<u>20</u>	<u>3</u>	<u>55</u>
P 3 <u>10</u>	<u>10</u>	<u>6</u>	<u>231</u>	<u>10</u>	<u>20</u>	<u>6</u>	<u>105</u>
P 4 <u>15</u>	<u>12</u>	<u>9</u>	<u>459</u>	<u>15</u>	<u>21</u>	<u>9</u>	<u>437</u>
P 5 <u>20</u>	<u>13</u>	<u>12</u>	<u>635</u>	<u>20</u>	<u>22</u>	<u>12</u>	<u>568</u>
P 6 <u>25</u>	<u>13</u>	<u>15</u>	<u>708</u>	<u>25</u>	<u>24</u>	<u>15</u>	<u>649</u>
P 7 <u>30</u>	<u>14</u>	<u>18</u>	<u>750</u>	<u>30</u>	<u>35</u>	<u>18</u>	<u>702</u>
P 8 <u>35</u>	<u>14</u>	<u>21</u>	<u>778</u>			<u>21</u>	<u>735</u>
P 9		<u>24</u>	<u>799</u>			<u>24</u>	<u>757</u>
P10		<u>27</u>	<u>803</u>			<u>27</u>	<u>772</u>
P11						<u>30</u>	<u>785</u>
P12						<u>33</u>	<u>797</u>
P13						<u>36</u>	
P14							
P15							
P16							
P17							
P18							
P19							
P20							

TKT # 25167
I





Home Office: Wichita, Kansas 67201
 P. O. Box 1599 (316) 838-0601

Company Range Oil Company, Inc. Lease & Well No. Bowlby #1
 Elevation 1203 Kelly Bushing Formation Arbuckle Effective Pay - Ft. Ticket No. #25167
 Date 10-24-76 Sec. 2 Twp. 29S Range 4E County Butler State Kansas
 Test Approved by Robert G. Brooks Western Representative Norman Allen

Formation Test No. 4 O.K. Misrun Interval Tested From 3091' to 3103' Total Depth 3103'
 Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
 Top Packer Depth 3086 Ft. Size 6 3/4 Bottom Packer Depth 3091 Ft. Size 6 3/4
 Straddle Conv. B.T. Damaged Yes No Packer Depth Ft. Size

Tool Size 4 1/2 OD Tool Joint Size 3 1/2 IF Anchor Length 12 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
 RECORDERS Depth 3096 Ft. Clock No. 6892 Depth 3099 Ft. Clock No. 6800
 Top Make Kuster Cap. 3150 No. 1564 ~~Outside~~ ^{Inside} Bottom Make Kuster Cap. 4200 No. 1558 ~~Inside~~ ^{Outside}
 Below Straddle: Depth Rec. No. Clock No. ~~Outside~~ ^{Inside} Depth Ft. Rec. No. Clock No. ~~Inside~~ ^{Outside}

Time Set Packer 11:28 P M
 Tool Open I.F.P. From 11:30P M. to 12:00M - Hr. 30 Min. From (B) 62 P.S.I. To (C) 358 P.S.I.
 Tool Closed I.C.I.P. From 12:00M to 12:30A M. - Hr. 30 Min (D) 1210 P.S.I.
 Tool Open F.F.P. From 12:30A M. to 1:30A M. - Hr. 60 Min. From (E) 403 P.S.I. To (F) 693 P.S.I.
 Tool Closed F.C.I.P. From 1:30A M. to 2:30A M. - Hr. 60 Min. (G) 1212 P.S.I.
 Initial Hydrostatic Pressure (A) 1597 P.S.I. Final Hydrostatic Pressure (H) 1587 P.S.I. Maximum Temp. 115

INFORMATION

BLOW Strong blow diminishing slightly at end of test.
 Did Well Flow - Yes No Recovery Total Ft. 1630' clean oil slightly gas-cut. 120' muddy oil
slightly gas-cut.

Reversed Out - Yes No Mud Type chem Viscosity 40 Weight 9.7 Water Loss 11.2 cc. Chlorides 2,200 P.P.M.
 EXTRA EQUIPMENT: Type Circ. Sub. pin Safety Joint Jars: Size In. Make Ser. No.
 Dual Packer yes Did Packers Hold? yes Did Tool Plug? no Where?

DRILLING CONTRACTOR White & Ellis Drilling Co Length Drill Pipe? 2818 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 XH In.
 Length Weight Pipe Ft. I.D. Weight Pipe In. Length Drill Collars 253 Ft. I.D. Drill Collars 2 1/4 In.
 Tool Joint Size 4H90 In. Length D.S.T. Tool 32 Ft.

Remarks:
Oil checked 21 gravity corrected. Waited from 3:00 am to daylight to pull oil.

WESTERN TESTING CO., INC.

Pressure Data

Date 10-24-76 Test Ticket No. #25167
 Recorder No. 1564 Capacity 3150 Location 3096 Ft.
 Clock No. 6892 Elevation 1203 Kelly Bushing Well Temperature 115 °F

Point	Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	<u>1597</u> P.S.I.	Open Tool	<u>11:28</u> P M	
B	First Initial Flow Pressure	<u>62</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>35</u> Mins.
C	First Final Flow Pressure	<u>358</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D	Initial Closed-in Pressure	<u>1210</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E	Second Initial Flow Pressure	<u>403</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F	Second Final Flow Pressure	<u>693</u> P.S.I.			
G	Final Closed-in Pressure	<u>1212</u> P.S.I.			
H	Final Hydrostatic Mud	<u>1587</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Pressure
 Breakdown: 7 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Initial Shut-In
 Breakdown: 9 Inc.
 of 3 mins. and a
 final inc. of 0 Min.

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1	<u>0</u>	<u>62</u>	<u>0</u>	<u>358</u>	<u>0</u>	<u>403</u>	<u>0</u>	<u>693</u>
P 2	<u>5</u>	<u>137</u>	<u>3</u>	<u>1180</u>	<u>5</u>	<u>403</u>	<u>3</u>	<u>1193</u>
P 3	<u>10</u>	<u>179</u>	<u>6</u>	<u>1196</u>	<u>10</u>	<u>431</u>	<u>6</u>	<u>1202</u>
P 4	<u>15</u>	<u>219</u>	<u>9</u>	<u>1204</u>	<u>15</u>	<u>459</u>	<u>9</u>	<u>1207</u>
P 5	<u>20</u>	<u>261</u>	<u>12</u>	<u>1206</u>	<u>20</u>	<u>489</u>	<u>12</u>	<u>1209</u>
P 6	<u>25</u>	<u>307</u>	<u>15</u>	<u>1209</u>	<u>25</u>	<u>519</u>	<u>15</u>	<u>1210</u>
P 7	<u>30</u>	<u>341</u>	<u>18</u>	<u>1209</u>	<u>30</u>	<u>545</u>	<u>18</u>	<u>1211</u>
P 8	<u>35</u>	<u>358</u>	<u>21</u>	<u>1210</u>	<u>35</u>	<u>573</u>	<u>21</u>	<u>1211</u>
P 9			<u>24</u>	<u>1210</u>	<u>40</u>	<u>600</u>	<u>24</u>	<u>1212</u>
P10			<u>27</u>	<u>1210</u>	<u>45</u>	<u>625</u>	<u>27</u>	<u>1212</u>
P11					<u>50</u>	<u>638</u>	<u>30</u>	<u>1212</u>
P12					<u>55</u>	<u>670</u>	<u>33</u>	<u>1212</u>
P13					<u>60</u>	<u>693</u>	<u>36</u>	<u>1212</u>
P14							<u>39</u>	<u>1212</u>
P15							<u>42</u>	<u>1212</u>
P16							<u>45</u>	<u>1212</u>
P17							<u>48</u>	<u>1212</u>
P18							<u>51</u>	<u>1212</u>
P19							<u>54</u>	<u>1212</u>
P20							<u>57</u>	<u>1212</u>
							<u>60</u>	<u>1212</u>