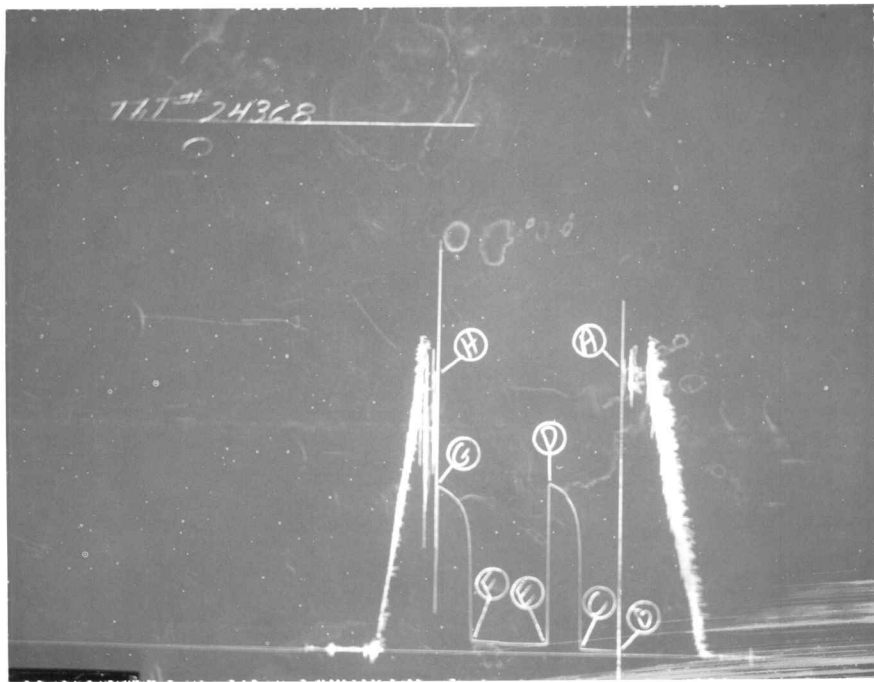






Home Office: Wichita, Kansas 67201
P. O. Box 1599 (316) 838-0601

Company M.F. Brister Lease & Well No. Penninger #1
Elevation 1200 Ground Level Formation Mississippi Effective Pay - Ft. Ticket No. 24368
Date 4-26-76 Sec. 21 Twp. 33S Range 9W Count ETk State Kansas
Test Approved by M.F. Brister Western Representative Charles Branstetter
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 2314' to 2322' Total Depth 2322'
Size Main Hole 6 1/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 2309 Ft. Size 5 1/2 Bottom Packer Depth 2314 Ft. Size 5 1/2
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 8 Ft. Size 4 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 2301 Ft. Clock No. 9103 Depth 2319 Ft. Clock No. 6859
Top Make Kuster Cap. 4200 No. 1558 Inside Outside Bottom Make Kuster Cap. 3150 No. 1564 Inside Outside
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ Inside Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ Inside Outside
Time Set Packer 5:58 P. M
Tool Open I.F.P. From 6:00P M. to 6:30P M. - Hr. 30 Min. From (B) 16 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 6:30P M. to 7:00P M. - Hr. 30 Min (D) 719 P.S.I.
Tool Open F.F.P. From 7:00P M. to 8:00P M. - Hr. 60 Min. From (E) 40 P.S.I. To (F) 50 P.S.I.
Tool Closed F.C.I.P. From 8:00P M. to 8:30P M. - Hr. 30 Min. (G) 700 P.S.I.
Initial Hydrostatic Pressure (A) 1206 P.S.I. Final Hydrostatic Pressure (H) 1172 P.S.I. Maximum Temp. 105

INFORMATION

BLOW Weak 1/4" blow intermittent.

Did Well Flow - Yes ☒ No ☐ Recovery Total Ft. 60' muddy salt water.

Reversed Out - Yes ☒ No ☐ Mud Type chem Viscosity 41 Weight 9.8 Water Loss 12.8 cc. Chlorides 1400 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 B & N Drlg. Co. Length Drill Pipe 2174 Ft. I.D. Drill Pipe 2.7 In. Tool Joint Size 3 1/2 IF In.

Length Weight Pipe ☐ Ft. I.D. Weight Pipe ☐ In. Tool Joint Size ☐ In. Length Drill Collars 125 Ft. I.D. Drill Collars 2. In.

Tool Joint Size 3 1/2 IF In. Length D.S.T. Tool 33 Ft.

Remarks: Read outside recorder.

WESTERN TESTING CO., INC.

Pressure Data

Date 4-26-76 Test Ticket No. 24368
 Recorder No. 1564 Capacity 3150 Location 2319 Ft.
 Clock No. 6859 Elevation 1200 Ground Level Well Temperature 105 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1206</u> P.S.I.	Open Tool	<u>5:58 P. M</u>	
B First Initial Flow Pressure	<u>16</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>23</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>27</u> Mins.
D Initial Closed-in Pressure	<u>719</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>55</u> Mins.
E Second Initial Flow Pressure	<u>40</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
F Second Final Flow Pressure	<u>50</u> P.S.I.			
G Final Closed-in Pressure	<u>700</u> P.S.I.			
H Final Hydrostatic Mud	<u>1172</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>9</u> Inc.		Breakdown: <u>11</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>16</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>40</u>	<u>0</u>	<u>50</u>
P 2 <u>5</u>	<u>19</u>	<u>3</u>	<u>442</u>	<u>5</u>	<u>39</u>	<u>3</u>	<u>410</u>
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>574</u>	<u>10</u>	<u>39</u>	<u>6</u>	<u>555</u>
P 4 <u>15</u>	<u>19</u>	<u>9</u>	<u>626</u>	<u>15</u>	<u>39</u>	<u>9</u>	<u>609</u>
P 5 <u>20</u>	<u>20</u>	<u>12</u>	<u>654</u>	<u>20</u>	<u>39</u>	<u>12</u>	<u>634</u>
P 6 <u>25</u>	<u>22</u>	<u>15</u>	<u>680</u>	<u>25</u>	<u>39</u>	<u>15</u>	<u>652</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>693</u>	<u>30</u>	<u>40</u>	<u>18</u>	<u>667</u>
P 8		<u>21</u>	<u>704</u>	<u>35</u>	<u>42</u>	<u>21</u>	<u>679</u>
P 9		<u>24</u>	<u>711</u>	<u>40</u>	<u>44</u>	<u>24</u>	<u>688</u>
P10		<u>27</u>	<u>719</u>	<u>45</u>	<u>46</u>	<u>27</u>	<u>696</u>
P11				<u>50</u>	<u>47</u>	<u>30</u>	<u>700</u>
P12				<u>55</u>	<u>50</u>		
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							