



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

Company BMG, Inc. Lease & Well No. Robbins #1  
Elevation 2040 Kelly Bush. Formation Marmaton Effective Pay - Ft. Ticker No. 23300  
Date 1-15-78 Sec. 16 Twp. 30S Range 17W County Kiowa State Kansas  
Test Approved by Robert C. Armstrong Western Representative Joe N. Lusk  
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4728' to 4765' Total Depth 4765'  
Size Main Hole 7 7/8 Rat Hole ☐ Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No  
Top Packer Depth 4723 Ft. Size 6 3/4 Bottom Packer Depth 4728 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 37 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
RECORDERS Depth 4734 Ft. Clock No. 10168 Depth 4737 Ft. Clock No. 6800  
Top Make Kuster Cap. 4150 No. 969 ~~Inside~~ Outside Bottom Make Kuster Cap. 4400 No. 2603 ~~Inside~~ Outside  
Below Straddle: Depth ☐ Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside Depth ☐ Ft. Rec. No. ☐ Clock No. ☐ ~~Inside~~ Outside  
Time Set Packer 5:53A M  
Tool Open I.F.P. From 5:55A M. to 6:25 M. - Hr. 30 Min. From (B) 114 P.S.I. To (C) 108 P.S.I.  
Tool Closed I.C.I.P. From 6:25 M. to 7:25 M. - Hr. 60 Min (D) 252 P.S.I.  
Tool Open F.F.P. From 7:25 M. to 8:25 M. - Hr. 60 Min. From (E) 150 P.S.I. To (F) 106 P.S.I.  
Tool Closed F.C.I.P. From 8:25 M. to 9:25 M. - Hr. 60 Min. (G) 155 P.S.I.  
Initial Hydrostatic Pressure (A) 2411 P.S.I. Final Hydrostatic Pressure (H) 2411 P.S.I. Maximum Temp. 117

#### INFORMATION

BLOW Weak blow on initial flow period. No blow at all on final flow period.

Did Well Flow ☐ Yes ☒ No Recovery Total Ft. 134' mud.

Reversed Out ☐ Yes ☒ No Mud Type Drispac Viscosity 50 Weight 9.6 Water Loss 11.6 cc. Chlorides 40,000 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 B & N Drlg. Rig #15 Length Drill Pipe? 4330 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 375 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4"H90 In. Length D.S.T. Tool 60 Ft.

Remarks: Slid tool approximately 10' after opening.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 1-15-78 Test Ticket No. 23300  
 Recorder No. 969 Capacity 4150 Location 4734 Ft.  
 Clock No. 10168 Elevation 2040 Kelly Bushing Well Temperature 117 °F

| Point                          | Pressure           |                            | Time Given      | Time Computed   |
|--------------------------------|--------------------|----------------------------|-----------------|-----------------|
| A Initial Hydrostatic Mud      | <u>2411</u> P.S.I. | Open Tool                  | <u>5:53A</u> M  |                 |
| B First Initial Flow Pressure  | <u>114</u> P.S.I.  | First Flow Pressure        | <u>30</u> Mins. | <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>108</u> P.S.I.  | Initial Closed-in Pressure | <u>60</u> Mins. | <u>57</u> Mins. |
| D Initial Closed-in Pressure   | <u>252</u> P.S.I.  | Second Flow Pressure       | <u>60</u> Mins. | <u>60</u> Mins. |
| E Second Initial Flow Pressure | <u>150</u> P.S.I.  | Final Closed-in Pressure   | <u>60</u> Mins. | <u>63</u> Mins. |
| F Second Final Flow Pressure   | <u>106</u> P.S.I.  |                            |                 |                 |
| G Final Closed-in Pressure     | <u>155</u> P.S.I.  |                            |                 |                 |
| H Final Hydrostatic Mud        | <u>2411</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>19</u> Inc.   |            | Breakdown: <u>12</u> Inc.   |            | Breakdown: <u>21</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>114</u> | <u>0</u>                    | <u>108</u> | <u>0</u>                    | <u>150</u> | <u>0</u>                    | <u>106</u> |
| P 2 <u>5</u>                | <u>111</u> | <u>3</u>                    | <u>111</u> | <u>5</u>                    | <u>127</u> | <u>3</u>                    | <u>106</u> |
| P 3 <u>10</u>               | <u>109</u> | <u>6</u>                    | <u>118</u> | <u>10</u>                   | <u>117</u> | <u>6</u>                    | <u>108</u> |
| P 4 <u>15</u>               | <u>108</u> | <u>9</u>                    | <u>124</u> | <u>15</u>                   | <u>112</u> | <u>9</u>                    | <u>109</u> |
| P 5 <u>20</u>               | <u>108</u> | <u>12</u>                   | <u>130</u> | <u>20</u>                   | <u>109</u> | <u>12</u>                   | <u>111</u> |
| P 6 <u>25</u>               | <u>108</u> | <u>15</u>                   | <u>139</u> | <u>25</u>                   | <u>108</u> | <u>15</u>                   | <u>115</u> |
| P 7 <u>30</u>               | <u>108</u> | <u>18</u>                   | <u>145</u> | <u>30</u>                   | <u>107</u> | <u>18</u>                   | <u>117</u> |
| P 8                         |            | <u>21</u>                   | <u>154</u> | <u>35</u>                   | <u>107</u> | <u>21</u>                   | <u>119</u> |
| P 9                         |            | <u>24</u>                   | <u>162</u> | <u>40</u>                   | <u>107</u> | <u>24</u>                   | <u>121</u> |
| P10                         |            | <u>27</u>                   | <u>171</u> | <u>45</u>                   | <u>106</u> | <u>27</u>                   | <u>123</u> |
| P11                         |            | <u>30</u>                   | <u>179</u> | <u>50</u>                   | <u>106</u> | <u>30</u>                   | <u>125</u> |
| P12                         |            | <u>33</u>                   | <u>188</u> | <u>55</u>                   | <u>106</u> | <u>33</u>                   | <u>128</u> |
| P13                         |            | <u>36</u>                   | <u>195</u> | <u>60</u>                   | <u>106</u> | <u>36</u>                   | <u>131</u> |
| P14                         |            | <u>39</u>                   | <u>204</u> |                             |            | <u>39</u>                   | <u>134</u> |
| P15                         |            | <u>42</u>                   | <u>212</u> |                             |            | <u>42</u>                   | <u>136</u> |
| P16                         |            | <u>45</u>                   | <u>221</u> |                             |            | <u>45</u>                   | <u>138</u> |
| P17                         |            | <u>48</u>                   | <u>229</u> |                             |            | <u>48</u>                   | <u>141</u> |
| P18                         |            | <u>51</u>                   | <u>239</u> |                             |            | <u>51</u>                   | <u>143</u> |
| P19                         |            | <u>54</u>                   | <u>250</u> |                             |            | <u>54</u>                   | <u>146</u> |
| P20                         |            | <u>57</u>                   | <u>252</u> |                             |            | <u>57</u>                   | <u>148</u> |
|                             |            |                             |            |                             |            | <u>60</u>                   | <u>152</u> |
|                             |            |                             |            |                             |            | <u>63</u>                   | <u>155</u> |



P. O. BOX 793 PHONE 793-7903  
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET 23300

Formation MARIM Elevation 2040 KB Eff. Pay \_\_\_\_\_ Ft.

Date 1-15-78 Customer Order No. \_\_\_\_\_

COMPANY NAME

ADDRESS

LEASE AND WELL NO. ROBBINS #1 COUNTY KIOWA STATE KS Sec. 16 Twp. 30S Rge. 17W

Mail Inv. To \_\_\_\_\_ No. Copies Requested Reg

Co. Name \_\_\_\_\_ Address \_\_\_\_\_

Mail Charts To \_\_\_\_\_ No. Copies Requested \_\_\_\_\_

Address \_\_\_\_\_

Formation Test No. 1 O.K. ☒ Misrun ☒ Interval Tested From 4728 to 4765 Total Depth 4765

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

Top Packer Depth 4723 Ft. Size 6 3/4 Bottom Packer Depth 4728 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 37 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4734 Ft. Clock No. 10168 Depth 4737 Ft. Clock No. 6800

Top Make MUSTER Cap. 4150 No. 969 Inside ☒ Outside ☒ Bottom Make MUSTER Cap. 4400 No. 2603 Inside ☒ Outside ☒

Below Straddle: Depth \_\_\_\_\_ Rec. No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Outside ☒ Inside ☒ Depth \_\_\_\_\_ Ft. Rec. No. \_\_\_\_\_ Clock No. \_\_\_\_\_ Outside ☒ Inside ☒

Time Set Packer 553A

Tool Open I.F.P. From 553A M. to 625A M. Hr. 30 Min. From (B) 92 114 P.S.I. To (C) 92 108 P.S.I.

Tool Closed I.C.I.P. From 625A M. to 725A M. Hr. 00 Min. (D) 225 P.S.I. To 252 P.S.I.

Tool Open F.F.P. From 725A M. to 825A M. Hr. 00 Min. From (E) 92 150 P.S.I. To (F) 92 106 P.S.I.

Tool Closed F.C.I.P. From 825A M. to 925A M. Hr. 00 Min. (G) 133 P.S.I. To 155 P.S.I.

Initial Hydrostatic Pressure (A) 2,411 P.S.I. Final Hydrostatic Pressure (H) 2,411 P.S.I. Maximum Temp. 117°F

BLOW WEAK BLOW ON F.F.P. - NO BLOW AT ALL ON F.F.P.

Did Well Flow ☒ Yes ☒ No Recovery Total Ft. 134 Ft. Mud

Reversed Out ☒ Yes ☒ No Mud Type PREMIX DRISPAQ Viscosity 50 Weight 9.6 Water Loss 11.6 cc. Chlorides 40,000

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint ☒ Jars: Size \_\_\_\_\_ In. Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

Dual Packers ☒ Did Packers Hold? YES Did Tool Plug? NO Where? \_\_\_\_\_

DRILLING CONTRACTOR B+N DRLLg Rig #15 Length Drill Pipe 4330 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 X-H In.

Length Weight Pipe \_\_\_\_\_ ft. I.D. Weight Pipe \_\_\_\_\_ In. Tool Joint Size \_\_\_\_\_ In. Length Drill Collars 275 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/4 H-90 In. Length D.S.T. Tool 60 ft.

Remarks SLID TOOL APPROX 10 FT. AFTER OPENING

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

|                |                  |
|----------------|------------------|
| Open Hole Test | \$ <u>440.00</u> |
| Straddle Test  | \$ _____         |
| Jars           | \$ _____         |
| Selective Zone | \$ _____         |
| Safety Joint   | \$ _____         |
| Misrun         | \$ _____         |
| Evaluation     | \$ _____         |
| Packer         | \$ _____         |
| Circ. Sub.     | \$ _____         |
| Total          | \$ <u>440.00</u> |

Test Approved By Robert Clements  
Signature of Customer or his  
Authorized Representative

Western Representative Joe N. Lusk

Operator's Time Thank you Hrs.

# WESTERN TESTING CO., INC.

## Pressure Data

Date 1-15-78 Test Ticket No. 23300  
 Recorder No. 969 Capacity 4150 Location 4734 Ft.  
 Clock No. 10168 Elevation 2040 Kelly Bushing Well Temperature 117 °F

| Point                          | Pressure    |        | Time Given   | Time Computed         |
|--------------------------------|-------------|--------|--------------|-----------------------|
| A Initial Hydrostatic Mud      | <u>2411</u> | P.S.I. | <u>5:53A</u> | M                     |
| B First Initial Flow Pressure  | <u>114</u>  | P.S.I. | <u>30</u>    | Mins. <u>30</u> Mins. |
| C First Final Flow Pressure    | <u>108</u>  | P.S.I. | <u>60</u>    | Mins. <u>57</u> Mins. |
| D Initial Closed-in Pressure   | <u>252</u>  | P.S.I. | <u>60</u>    | Mins. <u>60</u> Mins. |
| E Second Initial Flow Pressure | <u>150</u>  | P.S.I. | <u>60</u>    | Mins. <u>63</u> Mins. |
| F Second Final Flow Pressure   | <u>106</u>  | P.S.I. |              |                       |
| G Final Closed-in Pressure     | <u>155</u>  | P.S.I. |              |                       |
| H Final Hydrostatic Mud        | <u>2411</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: 19 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: 21 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>114</u> | 0             | <u>108</u> | 0             | <u>150</u> | 0             | <u>106</u> |
| P 2 5       | <u>111</u> | 3             | <u>111</u> | 5             | <u>127</u> | 3             | <u>106</u> |
| P 3 10      | <u>109</u> | 6             | <u>118</u> | 10            | <u>117</u> | 6             | <u>108</u> |
| P 4 15      | <u>108</u> | 9             | <u>124</u> | 15            | <u>112</u> | 9             | <u>109</u> |
| P 5 20      | <u>108</u> | 12            | <u>130</u> | 20            | <u>109</u> | 12            | <u>111</u> |
| P 6 25      | <u>108</u> | 15            | <u>139</u> | 25            | <u>108</u> | 15            | <u>115</u> |
| P 7 30      | <u>108</u> | 18            | <u>145</u> | 30            | <u>107</u> | 18            | <u>117</u> |
| P 8 35      |            | 21            | <u>154</u> | 35            | <u>107</u> | 21            | <u>119</u> |
| P 9 40      |            | 24            | <u>162</u> | 40            | <u>107</u> | 24            | <u>121</u> |
| P10 45      |            | 27            | <u>171</u> | 45            | <u>106</u> | 27            | <u>123</u> |
| P11 50      |            | 30            | <u>179</u> | 50            | <u>106</u> | 30            | <u>125</u> |
| P12 55      |            | 33            | <u>188</u> | 55            | <u>106</u> | 33            | <u>128</u> |
| P13 60      |            | 36            | <u>195</u> | 60            | <u>106</u> | 36            | <u>131</u> |
| P14         |            | 39            | <u>204</u> | 65            |            | 39            | <u>134</u> |
| P15         |            | 42            | <u>212</u> | 70            |            | 42            | <u>136</u> |
| P16         |            | 45            | <u>221</u> | 75            |            | 45            | <u>138</u> |
| P17         |            | 48            | <u>229</u> | 80            |            | 48            | <u>141</u> |
| P18         |            | 51            | <u>239</u> | 85            |            | 51            | <u>143</u> |
| P19         |            | 54            | <u>250</u> | 90            |            | 54            | <u>146</u> |
| P20         |            | 57            | <u>252</u> |               |            | 57            | <u>148</u> |
|             |            | <del>60</del> |            |               |            | 60            | <u>152</u> |
|             |            |               |            |               |            |               | <u>165</u> |



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

Company BMG, Inc. Lease & Well No. Robbins #1  
Elevation 2040 Kelly Bush Formation Mississippi Effective Pay - Ft. Ticket No. 23451  
Date 1-16-78 Sec. 16 Twp. 30S Range 17W County Kiowa State Kansas  
Test Approved by Robert Armstrong Western Representative Joe N. Lusk  
Formation Test No. 2 O.K. - Misrun X Interval Tested From 4883' to 4900' Total Depth 4900'  
Size Main Hole 7 7/8 at Hole - Conv. - B.T. X Damaged - Yes X No Conv. X B.T. - Damaged - Yes X No  
Top Packer Depth 4878 Ft. Size 6 3/4 Bottom Packer Depth 4883 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 17 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.  
RECORDERS Depth 4889 Ft. Clock No. 10168 Depth 4892 Ft. Clock No. 6800  
Top Make Kuster Cap. 4150 No. 969 <sup>Inside</sup><sub>Outside</sub> Bottom Make Kuster Cap. 4400 No. 2603 <sup>Inside</sup><sub>Outside</sub>  
Below Straddle: Depth - Rec. No. - Clock No. - <sup>Inside</sup><sub>Outside</sub> Depth - Ft. Rec. No. - Clock No. - <sup>Inside</sup><sub>Outside</sub>  
Time Set Packer 3:53P M  
Tool Open I.F.P. From 3:55 M. to 4:25 M. - Hr. 30 Min. From (B) - P.S.I. To (C) - P.S.I.  
Tool Closed I.C.I.P. From 4:25 M. to 4:55 M. - Hr. 30 Min. (D) - P.S.I.  
Tool Open F.F.P. From 4:55 M. to 5:35 M. - Hr. 40 Min. From (E) - P.S.I. To (F) - P.S.I.  
Tool Closed F.C.I.P. From 5:35 M. to 6:05 M. - Hr. 30 Min. (G) - P.S.I.  
Initial Hydrostatic Pressure (A) - P.S.I. Final Hydrostatic Pressure (H) - P.S.I. Maximum Temp. 119

#### INFORMATION

BLOW Weak blow throughout test.

Did Well Flow - Yes X No Recovery Total Ft. 405' very heavy thick mud suspended with cuttings.

Reversed Out - Yes X No Mud Type Drispac Viscosity - Weight - Water Loss - cc. Chlorides -

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

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

DRILLING CONTRACTOR B & N Drlg. Rig #15 Length Drill Pipe? 4484 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 375 Ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4" H9Qn Length D.S.T. Tool 41 Ft.

Remarks: Slid tool approximately 8-10' and was still approximately 12' off bottom.

Tool closed after bottom fell out from under bull plug on final flow period. Packers failed, plugged tool.



P. O. BOX 793 PHONE 793-7903  
GREAT BEND, KANSAS

WESTERN TESTING CO., INC.  
FORMATION TESTING

TICKET 23451

Formation MISS. Elevation 2040 RB Eff. Pay \_\_\_\_\_ Ft.

Date 1-16-78 Customer Order No. \_\_\_\_\_

COMPANY NAME B.M. M. INC

ADDRESS \_\_\_\_\_

LEASE AND WELL NO. ROBBINS #1 COUNTY KIOWA STATE KS Sec. 16 Twp. 30S Rge. 17W

Mail Inv. To \_\_\_\_\_ No. Copies Requested Reg

Co. Name \_\_\_\_\_ Address \_\_\_\_\_

Mail Charts To \_\_\_\_\_ No. Copies Requested \_\_\_\_\_

Address \_\_\_\_\_

Formation Test No. 2 O.K. - Misrun ✓ Interval Tested From 4883 to 4900 Total Depth 4900

Size Main Hole 1 7/8 Rat Hole - Conv. - B.T. ✓ Damaged Yes - No Conv. ✓ B.T. - Damaged Yes - No

Top Packer Depth 4878 Ft. Size 6 3/4 Bottom Packer Depth 4883 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 17 Ft. Size 5 1/2 OD Surface Choke Size 7/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4889 Ft. Clock No. 10168 Depth 4892 Ft. Clock No. 6800

Top Make Kuster Cap. 4150 No. 969 Inside Outside Bottom Make Kuster Cap. 4400 No. 2603 Inside Outside

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

Time Set Packer 355 M. to 425 M. Hr. 30 Min. From (B) \_\_\_\_\_ P.S.I. To (C) \_\_\_\_\_ P.S.I.

Tool Open I.F.P. From 425 M. to 450 M. Hr. 30 Min. (D) \_\_\_\_\_ P.S.I.

Tool Closed I.C.I.P. From 455 M. to 530 M. Hr. 40 Min. From (E) \_\_\_\_\_ P.S.I. To (F) \_\_\_\_\_ P.S.I.

Tool Open F.F.P. From 530 M. to 530 M. Hr. 30 Min. (G) \_\_\_\_\_ P.S.I.

Tool Closed F.C.I.P. From 530 M. to 530 M. Hr. 30 Min. (G) \_\_\_\_\_ P.S.I.

Initial Hydrostatic Pressure (A) \_\_\_\_\_ P.S.I. Final Hydrostatic Pressure (H) \_\_\_\_\_ P.S.I. Maximum Temp. 119°

BLOW WEAK BLOW THRU OUT TEST

Did Well Flow - Yes ✓ No - Recovery Total Ft. 405 ft. VERY HEAVY THICK MUD WITH SUSPENDED WITH CUTTINGS.

Reversed Out - Yes ✓ No - Mud Type PREMIX Viscosity \_\_\_\_\_ Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Chlorides \_\_\_\_\_

EXTRA EQUIPMENT: Type Circ. Sub. PIN Safety Joint \_\_\_\_\_ Jars: Size \_\_\_\_\_ In. Make \_\_\_\_\_ Ser. No. \_\_\_\_\_

Dual Packers ✓ Did Packers Hold? \_\_\_\_\_ Did Tool Plug? \_\_\_\_\_ Where? \_\_\_\_\_

DRILLING CONTRACTOR B+N DRLg Rig #15 Length Drill Pipe 4484 ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 X-H In.

Length Weight Pipe \_\_\_\_\_ ft. I.D. Weight Pipe \_\_\_\_\_ In. Tool Joint Size \_\_\_\_\_ In. Length Drill Collars 375 ft. I.D. Drill Collars 2 1/4 In.

Tool Joint Size 4 1/4-90 Length D.S.T. Tool 41 ft.

Remarks SLID TOOL APPROX 8-10 FT + WAS STILL APPROX 12 FT OFF BOTTOM. MADE APPROX 3 MORE FT WHEN FOUND TOOL CLOSED AFTER BOTTOM FELL OUT FROM UNDER BULL PLUG ON F.F.P. - PACKERS FAILED - PLUGGED TOOL

COMPANY TERMS

Western Testing Co., Inc., shall not be liable for damage 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, or 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 10% interest after 60 days from date of invoice. Any expense incurred for collection will be added to the original amount.

INVOICE SECTION

|                |                  |
|----------------|------------------|
| Open Hole Test | \$               |
| Straddle Test  | \$               |
| Jars           | \$               |
| Selective Zone | \$               |
| Safety Joint   | \$               |
| Misrun         | \$ <u>200.00</u> |
| Evaluation     | \$               |
| Packer         | \$               |
| Circ. Sub.     | \$               |
| Total          | \$ <u>200.00</u> |

Test Approved By \_\_\_\_\_ Western Representative Joe N. Lusk

Signature of Customer or his Authorized Representative \_\_\_\_\_ Operator's Time Thank You Hrs.

TR# 23300

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