



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

Company A.L. Abercrombie Inc. Lease & Well No. Kerstern #1
Elevation 3186 Kelly Bushing Marmington Effective Pay - Ft. Ticket No. 24473
Date 11-15-75 Sec. 32 Twp. 21S Range 35W County Kearney State Kansas
Test Approved by Bob McCann Western Representative Don Burgett
Formation Test No. 1 O.K. ☒ Misrun ☐ Interval Tested From 4500' to 4530' Total Depth 4530'
Size Main Hole 77/8 Rat Hole ☐ Conv. ☒ B.T. ☐ Damaged ☐ Yes ☒ No Conv. ☐ B.T. ☒ Damaged ☐ Yes ☒ No
Top Packer Depth 4495 Ft. Size 63/4 Bottom Packer Depth 4500 Ft. Size 63/4
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 30 Ft. Size 5 1/2 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4521 Ft. Clock No. 6893 Depth 4524 Ft. Clock No. 10412
Top Make Kuster Cap. 4500 No. 3086 ☒ 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 12:12 A M
Tool Open I.F.P. From 12:15A M. to 12:35A M. - Hr. 20 Min. From (B) 81 P.S.I. To (C) 379 P.S.I.
Tool Closed I.C.I.P. From 12:35A M. to 1:20A M. - Hr. 45 Min (D) 1149 P.S.I.
Tool Open F.F.P. From 1:20A M. to 2:20A M. - Hr. 60 Min. From (E) 422 P.S.I. To (F) 839 P.S.I.
Tool Closed F.C.I.P. From 2:20A M. to 3:05A M. - Hr. 45 Min. (G) 1129 P.S.I.
Initial Hydrostatic Pressure (A) 2440 P.S.I. Final Hydrostatic Pressure (H) 2408 P.S.I. Maximum Temp. 109

INFORMATION

BLOW Stong blow throughout test.

Did Well Flow - Yes ☒ No ☐ Recovery Total Ft. 840' gas in pipe, 240' gas cut water, 1508' salt water.

Reversed Out ☒ Yes ☐ No ☐ Mud Type impermer Viscosity 39 Weight 9.5 Water Loss 13 cc. Chlorides 50,000 P.P.M.

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

Dual Packer ☒ Did Packers Hold? ☒ Did Tool Plug? ☒ no Where? ☐

DRILLING CONTRACTOR Abercrombie Drlg. Inc. Length Drill Pipe? 4197 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 In.

Length Weight Pipe 283 Ft. I.D. Weight Pipe 2.7 In. Tool Joint Size 5 1/2 In. Length Drill Collars ☐ Ft. I.D. Drill Collars ☐ In.

Tool Joint Size ☐ In. Length D.S.T. Tool 50 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 11-15-75 Test Ticket No. 24473
 Recorder No. 3086 Capacity 4500 Location 4521 Ft.
 Clock No. 6893 Elevation 3186 Kelly Bushign Well Temperature 109 °F

Point	Pressure		Time Given	Time Computed
A. Initial Hydrostatic Mud	<u>2440</u>	P.S.I.	<u>12:12</u>	<u>A M</u>
B First Initial Flow Pressure	<u>81</u>	P.S.I.	<u>20</u> Mins.	<u>22</u> Mins.
C First Final Flow Pressure	<u>379</u>	P.S.I.	<u>45</u> Mins.	<u>44</u> Mins.
D Initial Closed-in Pressure	<u>1149</u>	P.S.I.	<u>60</u> Mins.	<u>62</u> Mins.
E Second Initial Flow Pressure	<u>422</u>	P.S.I.	<u>45</u> Mins.	<u>45</u> Mins.
F Second Final Flow Pressure	<u>839</u>	P.S.I.		
G Final Closed-in Pressure	<u>1129</u>	P.S.I.		
H Final Hydrostatic Mud	<u>2408</u>	P.S.I.		

PRESSURE BREAKDOWN

First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
Breakdown: <u>4</u> Inc.		Breakdown: <u>14</u> Inc.		Breakdown: <u>12</u> Inc.		Breakdown: <u>15</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>81</u>	<u>0</u>	<u>379</u>	<u>0</u>	<u>422</u>	<u>0</u>	<u>839</u>
P 2 <u>5</u>	<u>159</u>	<u>3</u>	<u>1077</u>	<u>5</u>	<u>445</u>	<u>3</u>	<u>1074</u>
P 3 <u>10</u>	<u>227</u>	<u>6</u>	<u>1100</u>	<u>10</u>	<u>498</u>	<u>6</u>	<u>1088</u>
P 4 <u>15</u>	<u>310</u>	<u>9</u>	<u>1114</u>	<u>15</u>	<u>544</u>	<u>9</u>	<u>1097</u>
P 5 <u>20</u>	<u>355</u>	<u>12</u>	<u>1121</u>	<u>20</u>	<u>584</u>	<u>12</u>	<u>1102</u>
P 6 <u>22</u>	<u>379</u>	<u>15</u>	<u>1127</u>	<u>25</u>	<u>624</u>	<u>15</u>	<u>1106</u>
P 7		<u>18</u>	<u>1131</u>	<u>30</u>	<u>661</u>	<u>18</u>	<u>1109</u>
P 8		<u>21</u>	<u>1135</u>	<u>35</u>	<u>693</u>	<u>21</u>	<u>1114</u>
P 9		<u>24</u>	<u>1138</u>	<u>40</u>	<u>724</u>	<u>24</u>	<u>1117</u>
P10		<u>27</u>	<u>1140</u>	<u>45</u>	<u>755</u>	<u>27</u>	<u>1120</u>
P11		<u>30</u>	<u>1143</u>	<u>50</u>	<u>781</u>	<u>30</u>	<u>1121</u>
P12		<u>33</u>	<u>1146</u>	<u>55</u>	<u>809</u>	<u>33</u>	<u>1123</u>
P13		<u>36</u>	<u>1147</u>	<u>60</u>	<u>832</u>	<u>36</u>	<u>1125</u>
P14		<u>39</u>	<u>1148</u>	<u>62</u>	<u>839</u>	<u>39</u>	<u>1127</u>
P15		<u>42</u>	<u>1149</u>			<u>42</u>	<u>1128</u>
P16		<u>44</u>	<u>1149</u>			<u>45</u>	<u>1129</u>
P17							
P18							
P19							
P20							