

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

Company E.H. Wood Jr. Lease & Well No. Ash #1
Elevation 1626 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 20701
Date 11-23-75 Sec. 33 Twp. 32S Range 12W County Barber State Kansas
Test Approved by Lee Paulsen Western Representative Don Burgett

Formation Test No. 1 O.K. X Misrun - Interval Tested From 4461' to 4478' Total Depth 4478'
Size Main Hole 77/8 Rat Hole - Conv. X B.T. - Damaged - Yes X No Conv. - B.T. - Damaged - Yes - No
Top Packer Depth 4461 Ft. Size 63/4 Bottom Packer Depth - Ft. Size -
Straddle - Conv. - B.T. - Damaged - Yes - No Packer Depth - Ft. Size -
Tool Size 5/8 OD Tool Joint Size 4 1/2 FH Anchor Length 17 Ft. Size 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4469 Ft. Clock No. 6893 Depth 4472 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 7:00A M. to 7:30A M. Hr. 30 Min. From (B) 28 P.S.I. To (C) 19 P.S.I.
Tool Open I.F.P. From 7:30 A M. to 8:00A M. Hr. 30 Min. From (B) 19 P.S.I. To (C) - P.S.I.
Tool Closed I.C.I.P. From 8:00A M. to 9:30A M. Hr. 90 Min. (D) 19 P.S.I. To (E) 29 P.S.I.
Tool Open F.F.P. From 9:30A M. to 10:30A M. Hr. 60 Min. From (E) 310 P.S.I. To (F) - P.S.I.
Tool Closed F.C.I.P. From 2330 M. to 2330 M. Hr. - Min. (G) 123 P.S.I.
Initial Hydrostatic Pressure (A) 2330 P.S.I. Final Hydrostatic Pressure (H) 2330 P.S.I. Maximum Temp. -

INFORMATION

Good blow throughout test

BLOW - Yes X No - Recovery Total Ft. 300' gas in pipe, 5' drilling mud.

Reversed Out - Yes X No - Mud Type starch Viscosity 39 Weight 9.5 Water Loss 6.8 cc. Chlorides 51,000 P.P.M.

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

Dual Packer no Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Craves Drlg Co. Length Drill Pipe? 4359 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 87 Ft. I.D. Drill Collars 2.5 In.

Tool Joint Size 4 1/2-90 In. Length D.S.T. Tool 32 Ft.

Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 11-23-75 Test Ticket No. 20701
 Recorder No. 3086 Capacity 4500 Location 4469 Ft.
 Clock No. 6893 Elevation 1626 Kelly Bushing Well Temperature 123 °F

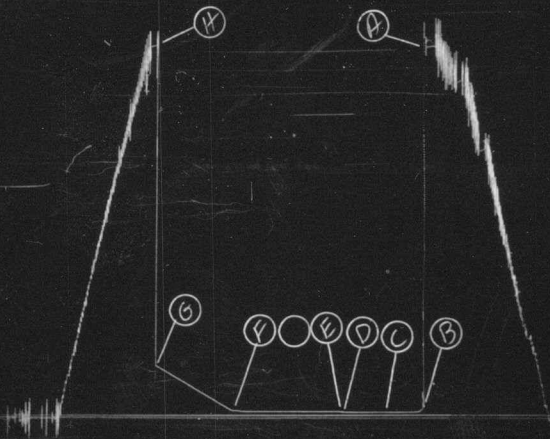
Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2330	P.S.I.	6:57 A	
B First Initial Flow Pressure	28	P.S.I.	30 Mins.	30 Mins.
C First Final Flow Pressure	19	P.S.I.	30 Mins.	30 Mins.
D Initial Closed-in Pressure	19	P.S.I.	90 Mins.	85 Mins.
E Second Initial Flow Pressure	19	P.S.I.	60 Mins.	60 Mins.
F Second Final Flow Pressure	29	P.S.I.		
G Final Closed-in Pressure	310	P.S.I.		
H Final Hydrostatic Mud	2330	P.S.I.		

PRESSURE BREAKDOWN

Point Mins.	First Flow Pressure		Initial Shut-In		Second Flow Pressure		Final Shut-In	
	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	Inc.	Breakdown:	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>28</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>19</u>	<u>0</u>	<u>29</u>	
P 2 <u>5</u>	<u>20</u>	<u>3</u>	<u>19</u>	<u>5</u>	<u>24</u>	<u>3</u>	<u>35</u>	
P 3 <u>10</u>	<u>19</u>	<u>6</u>	<u>19</u>	<u>10</u>	<u>24</u>	<u>6</u>	<u>47</u>	
P 4 <u>15</u>	<u>19</u>	<u>9</u>	<u>19</u>	<u>15</u>	<u>24</u>	<u>9</u>	<u>62</u>	
P 5 <u>20</u>	<u>19</u>	<u>12</u>	<u>19</u>	<u>20</u>	<u>24</u>	<u>12</u>	<u>77</u>	
P 6 <u>25</u>	<u>19</u>	<u>15</u>	<u>19</u>	<u>25</u>	<u>24</u>	<u>15</u>	<u>95</u>	
P 7 <u>30</u>	<u>19</u>	<u>18</u>	<u>19</u>	<u>30</u>	<u>24</u>	<u>18</u>	<u>107</u>	
P 8		<u>21</u>	<u>19</u>	<u>35</u>	<u>24</u>	<u>21</u>	<u>121</u>	
P 9		<u>24</u>	<u>19</u>	<u>40</u>	<u>24</u>	<u>24</u>	<u>135</u>	
P10		<u>27</u>	<u>19</u>	<u>45</u>	<u>24</u>	<u>27</u>	<u>149</u>	
P11		<u>30</u>	<u>19</u>	<u>50</u>	<u>24</u>	<u>30</u>	<u>163</u>	
P12				<u>55</u>	<u>24</u>	<u>33</u>	<u>178</u>	
P13				<u>60</u>	<u>24</u>	<u>36</u>	<u>193</u>	
P14				<u>65</u>	<u>24</u>	<u>39</u>	<u>208</u>	
P15				<u>70</u>	<u>24</u>	<u>42</u>	<u>223</u>	
P16				<u>75</u>	<u>24</u>	<u>45</u>	<u>237</u>	
P17				<u>80</u>	<u>24</u>	<u>48</u>	<u>251</u>	
P18				<u>85</u>	<u>29</u>	<u>51</u>	<u>265</u>	
P19						<u>54</u>	<u>280</u>	
P20						<u>57</u>	<u>292</u>	
						<u>60</u>	<u>310</u>	

THT # 20701

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Company E. H. Wood Jr. Lease & Well No. Ash #1
Elevation 1626 Kelly Bushing Formation Mississippi Effective Pay - Ft. Ticket No. 20702
Date 11-23-75 Sec. 33 Twp. 32S Range 12W County Barber State Kansas
Test Approved by Lee Paulsen Western Representative Don Burgett

Formation Test No. 2 O.K. Misrun Interval Tested From 4474' to 4492' Total Depth 4492'
Size Main Hole 77/8 Rat Hole Conv. B.T. Damaged Yes No Conv. B.T. Damaged Yes No
Top Packer Depth 4474 Ft. Size 63/4 Bottom Packer Depth - Ft. Size -
Straddle Conv. B.T. Damaged Yes No Packer Depth - Ft. Size -
Tool Size 5/8 OD Tool Joint Size 4 1/2 FH Anchor Length 18 Ft. Size 5/8 OD Surface Choke Size 3/4 In. Bottom Choke Size 3/4 In.

RECORDERS Depth 4484 Ft. Clock No. 68 6893 Depth 4487 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 8:57 P M
Tool Open I.F.P. From 9:00P M. to 9:30P M. - Hr. 30 Min. From (B) 89 P.S.I. To (C) 107 P.S.I.
Tool Closed I.C.I.P. From 9:30P M. to 10:00P M. - Hr. 30 Min (D) 1246 P.S.I.
Tool Open F.F.P. From 10:00P M. to 11:30P M. - Hr. 90 Min. From (E) 111 P.S.I. To (F) 147 P.S.I.
Tool Closed F.C.I.P. From 11:30P M. to 12:30A M. - Hr. 60 Min. (G) 1390 P.S.I.
Initial Hydrostatic Pressure (A) 2334 P.S.I. Final Hydrostatic Pressure (H) 2330 P.S.I. Maximum Temp. 124

INFORMATION

BLOW Strong blow throughout test.
Did Well Flow Yes No Recovery Total Ft. 210' heavy gas and slightly oil cut mud,
120' gas cut muddy salt water.

Reversed Out Yes No Mud Type starch Viscosity 39 Weight 9.7 Water Loss 6.6 cc. Chlorides 51,000 P.P.M.

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

Dual Packer no Did Packers Hold? yes Did Tool Plug? no Where? -

DRILLING CONTRACTOR Graves Drlg. Co. Inc. Length Drill Pipe 4370 Ft. I.D. Drill Pipe 3.6 In. Tool Joint Size 4 1/2 FH In.

Length Weight Pipe - Ft. I.D. Weight Pipe - In. Tool Joint Size - In. Length Drill Collars 87 Ft. I.D. Drill Collars 2.5 In.

Tool Joint Size 4 1/2 H-90 In. Length D.S.T. Tool 33 Ft.

Remarks:

WESTERN TESTING CO., INC.
Pressure Data

Date 11-23-75

Test Ticket No. 20702

Recorder No. 3086

Capacity 4500

Location 4484 Ft.

Clock No. 6893

Elevation 1626 Kelly Bushing

Well Temperature 124 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2334</u> P.S.I.	Open Tool	<u>8:57P</u> M	
B First Initial Flow Pressure	<u>88</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>39</u> Mins.
C First Final Flow Pressure	<u>107</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-in Pressure	<u>1246</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>111</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>60</u> Mins.
F Second Final Flow Pressure	<u>147</u> P.S.I.			
G Final Closed-in Pressure	<u>1390</u> P.S.I.			
H Final Hydrostatic Mud	<u>2330</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>10</u> Inc.		Breakdown: <u>18</u> Inc.		Breakdown: <u>20</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>88</u>	<u>0</u>	<u>107</u>	<u>0</u>	<u>111</u>	<u>0</u>	<u>147</u>
P 2 <u>5</u>	<u>95</u>	<u>3</u>	<u>187</u>	<u>5</u>	<u>107</u>	<u>3</u>	<u>242</u>
P 3 <u>10</u>	<u>102</u>	<u>6</u>	<u>308</u>	<u>10</u>	<u>108</u>	<u>6</u>	<u>363</u>
P 4 <u>15</u>	<u>104</u>	<u>9</u>	<u>441</u>	<u>15</u>	<u>109</u>	<u>9</u>	<u>505</u>
P 5 <u>20</u>	<u>327</u>	<u>12</u>	<u>581</u>	<u>20</u>	<u>113</u>	<u>12</u>	<u>646</u>
P 6 <u>25</u>	<u>121</u>	<u>15</u>	<u>730</u>	<u>25</u>	<u>114</u>	<u>15</u>	<u>762</u>
P 7 <u>30</u>	<u>107</u>	<u>18</u>	<u>874</u>	<u>30</u>	<u>116</u>	<u>18</u>	<u>870</u>
P 8		<u>21</u>	<u>995</u>	<u>35</u>	<u>120</u>	<u>21</u>	<u>963</u>
P 9		<u>24</u>	<u>1109</u>	<u>40</u>	<u>123</u>	<u>24</u>	<u>1042</u>
P10		<u>27</u>	<u>1195</u>	<u>45</u>	<u>126</u>	<u>27</u>	<u>1107</u>
P11		<u>30</u>	<u>1246</u>	<u>50</u>	<u>130</u>	<u>30</u>	<u>1155</u>
P12				<u>55</u>	<u>133</u>	<u>33</u>	<u>1195</u>
P13				<u>60</u>	<u>135</u>	<u>36</u>	<u>1232</u>
P14				<u>65</u>	<u>137</u>	<u>39</u>	<u>1262</u>
P15				<u>70</u>	<u>140</u>	<u>42</u>	<u>1288</u>
P16				<u>75</u>	<u>141</u>	<u>45</u>	<u>1309</u>
P17				<u>80</u>	<u>143</u>	<u>48</u>	<u>1330</u>
P18				<u>85</u>	<u>145</u>	<u>51</u>	<u>1345</u>
P19				<u>90</u>	<u>147</u>	<u>54</u>	<u>1360</u>
P20						<u>57</u>	<u>1374</u>
						<u>60</u>	<u>1390</u>

THT# 20702

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