

15-083-20316



17-215-25w

Home Office: Great Bend, Kansas

P. O. Box 793 (316) 793-7903

Company **O. A. Sutton** Lease & Well No. **Jackson #1**
 Elevation **2334 Kelly Bushings** Formation **Mississippian** Effective Pay _____ Ft. Ticket No. **18664**
 Date **8-6-73** Sec. **17** Twp. **21S** Range **25W** County **Hodgeman** State **Kansas**
 Test Approved by **R. K. Grant** Western Representative **Jimmie Loftis**

Formation Test No. **1** O.K. ☒ Misrun _____ Interval Tested From **4341'** to **4360'** Total Depth **4360'**
 Size Main Hole **7 7/8"** Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
 Packer Depth **4336** Ft. Size **5 3/4"** Packer Depth **4341** Ft. Size **5 3/4"**
 Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged _____ Yes _____ No

Packer Depth _____ Ft. Size _____
 Tool Size **4 1/2" O.D.** Tool Jt. Size **4 1/2" F.H.** Anchor Length **19** Ft. Size **4 1/2" O.D.**

RECORDERS Depth **4352** Ft. Clock No. **9727** Depth **4355** Ft. Clock No. **6893**
 Top Make **Kuster** Cap **4150** No. **3086** Inside _____ Bottom Make **Kuster** Cap **4150** No. **2604** Inside _____
 Below Straddle: Depth _____ Clock No. _____ Outside _____ Depth _____ Ft. Clock No. _____ Outside _____
 Top Make _____ Cap _____ No. _____ Inside _____ Bottom Make _____ Cap _____ No. _____ Inside _____

Time Set Packer **12:08** **A_M**
 Tool Open I.F.P. From **12:10** M. to **12:40A.** Hr. **30** Min. From (B) **23** P.S.I. To (C) **16** P.S.I.
 Tool Closed I.C.I.P. From **12:40** M. to **1:10A.** M. Hr. **30** Min. (D) **1123** P.S.I.
 Tool Open F.F.P. From **1:10** M. to **2:40A.** M. **1** Hr. **30** Min. From (E) **14** P.S.I. To (F) **19** P.S.I.
 Tool Closed F.C.I.P. From **2:40** M. to **3:40A.** M. **1** Hr. Min. (G) **1167** P.S.I.
 Initial Hydrostatic Pressure (A) **2203** P.S.I. Final Hydrostatic Pressure (H) **2154** P.S.I.

SURFACE Size Choke **3/8** In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW **Weak blow** Bottom Choke Size **3/4** In.
 Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. **40 feet total fluid - 30 feet oil cut mud 30% mud 30% water**
40% oil-----10 feet free oil

Reversed Out _____ Yes ☒ No _____ Mud Type **Starch** Viscosity **42** Weight **9.5** Water Loss **14.0** cc. Maximum Temp. **123** °F
 Type Circ. Sub. **Plug** Safety Joint **No** Jars: Size _____ Make _____ Ser. No. _____
 EXTRA EQUIPMENT: Dual Packers **Yes** Did Packer Hold? **Yes** Did Tool Plug? **No** Where? _____
 Length Drill Pipe **4143** ft. I.D. Drill Pipe **3.8** in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars **177** ft.
 I.D. Drill Collars **2.7** in. Length D.S.T. Tool **40** ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date **8-6-73** Recorder No. **3086** Capacity **4150** Test Ticket No. **18664**
 Clock No. **9727** Elevation **2334 Kelly Bushings** Location **4352** Ft.
 Well Temperature **123** °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	2203 P.S.I.	Open Tool	12:10 A. M	
B First Initial Flow Pressure	23 P.S.I.	First Flow Pressure	30 Mins.	30 Mins.
C First Final Flow Pressure	16 P.S.I.	Initial Closed-in Pressure	30 Mins.	30 Mins.
D Initial Closed-in Pressure	1123 P.S.I.	Second Flow Pressure	90 Mins.	90 Mins.
E Second Initial Flow Pressure	14 P.S.I.	Final Closed-in Pressure	60 Mins.	60 Mins.
F Second Final Flow Pressure	19 P.S.I.			
G Final Closed-in Pressure	1167 P.S.I.			
H Final Hydrostatic Mud	2154 P.S.I.			

PRESSURE BREAKDOWN

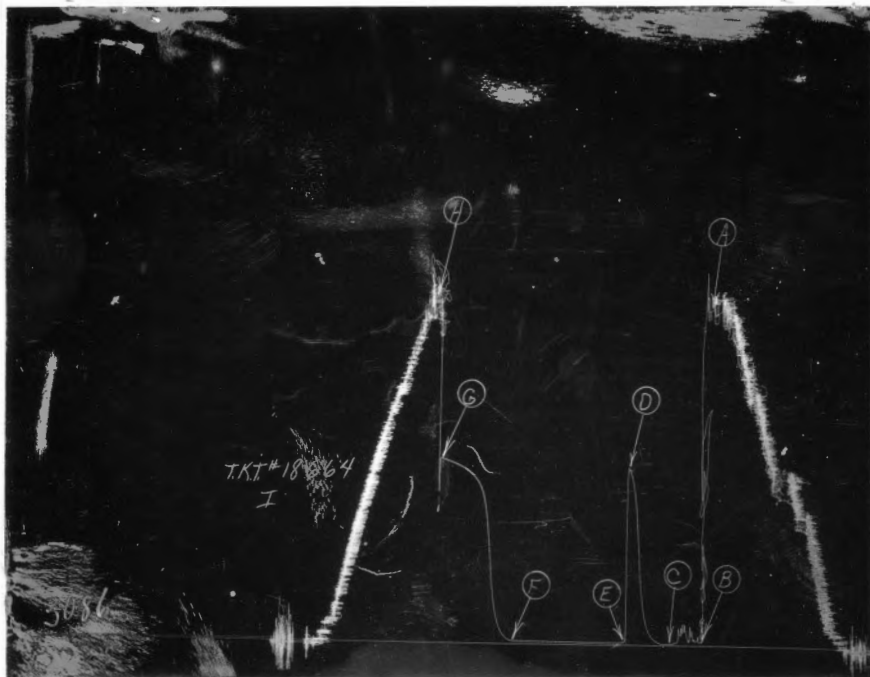
First Flow Pressure
 Breakdown: **6** Inc.
 of **5** mins. and a
 final inc. of **0** Min.

Initial Shut-In
 Breakdown: **10** Inc.
 of **3** mins. and a
 final inc. of **0** Min.

Second Flow Pressure
 Breakdown: **18** 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.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 0	23	0	16	0	14	0	19
P 2 5	31	3	19	5	14	3	21
P 3 10	78 slight	6	26	10	14	6	32
P 4 15	91 plugging	9	33	15	14	9	53
P 5 20	33 action	12	61	20	14	12	94
P 6 25	21 "	15	121	25	14	15	158
P 7 30	16	18	249	30	15	18	343
P 8		21	569	35	15	21	625
P 9		24	881	40	15	24	837
P10		27	1039	45	16	27	953
P11		30	1123	50	16	30	1014
P12				55	17	33	1049
P13				60	17	36	1074
P14				65	17	39	1091
P15				70	18	42	1106
P16				75	18	45	1121
P17				80	19	48	1132
P18				85	19	51	1139
P19				90	19	54	1151
P20						57	1160
						60	1167





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Company O. A. Sutton Lease & Well No. Jackson #1
Elevation 2334 Kelly Bushings Formation Mississippian Effective Pay _____ Ft. Ticket No. 18365
Date 8-8-73 Sec. 17 Twp. 21S Range 25W County Hodgeman State Kansas
Test Approved by R. K. Grant Western Representative Leon Elmore
Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4395' to 4415' Total Depth 4415'
Size Main Hole 7 7/8" Rat Hole _____ Conv. ☒ B.T. _____ Damaged Yes ☒ No Conv. B.T. ☒ Damaged Yes ☒ No
Packer Depth 4395 Ft. Size 6 3/4" Packer Depth 4390 Ft. Size 6 3/4"
Straddle _____ Yes _____ No ☒ Conv. _____ B.T. _____ Damaged Yes _____ No
Packer Depth _____ Ft. Size _____
Tool Size 5 1/2" O.D. Tool Jt. Size 4 1/2" F.H. Anchor Length 20 Ft. Size 5 1/2" O.D.
RECORDERS Depth 4410 Ft. Clock No. 8377 Depth 4413 Ft. Clock No. 5665
Top Make Kuster Cap. 4500 No. 3085 Inside _____ Bottom Make Kuster Cap. 4400 No. 2603 ~~4400~~ Outside _____
Below Straddle: Depth _____ Clock No. _____ Inside _____ Outside _____
Top Make _____ Cap. _____ No. _____ Inside _____ Bottom Make _____ Cap. _____ No. _____ Outside _____
Time Set Packer 12:02 A_M
Tool Open I.F.P. From 12:06 M. to 12:36A. Hr. 30 Min. From (B) 19 P.S.I. To (C) 91 P.S.I.
Tool Closed I.C.I.P. From 12:36 M. to 1:06A. Hr. 30 Min. (D) 1321 P.S.I.
Tool Open F.F.P. From 1:06 M. to 2:36A. Hr. 30 Min. From (E) 101 P.S.I. To (F) 201 P.S.I.
Tool Closed F.C.I.P. From 2:36 M. to 3:36A. Hr. 1 Min. (G) 1317 P.S.I.
Initial Hydrostatic Pressure (A) 2186 P.S.I. Final Hydrostatic Pressure (H) 2125 P.S.I.
SURFACE Size Choke 3/4 In. Max. Press. P.S.I. _____ Time _____ Description of Flow _____
INFORMATION _____ M. _____
_____ M. _____
_____ M. _____
BLOW Initially weak, increased to strong during final pressure Bottom Choke Size 3/4 In.
Did Well Flow _____ Yes _____ No Recovery Total Ft. 130 feet muddy salt water
310 feet salt water
Reversed Out _____ Yes ☒ No Mud Type Starch Viscosity 44 Weight 9.5 Water Loss 11.6 cc. Maximum Temp. 126 °F
Type Circ. Sub. Pin Safety Joint No Jars: Size _____ Make _____ Ser. No. _____
EXTRA EQUIPMENT: Dual Packers Yes Did Packer Hold? Yes Did Tool Plug? No Where? _____
Length Drill Pipe 4204 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe _____ ft. I.D. Weight Pipe _____ in. Length Drill Collars 170 ft.
I.D. Drill Collars 2 1/4 in. Length D.S.T. Tool 41 ft.
Remarks _____

WESTERN TESTING CO., INC.

Pressure Data

Date 8-8-73 Test Ticket No. 18365
 Recorder No. 3085 Capacity 4500 Location 4410 Ft.
 Clock No. 8377 Elevation 2334 Kelly Bushings Well Temperature 126 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>2186</u> P.S.I.	Open Tool	<u>12:06 A.</u>	
B First Initial Flow Pressure	<u>19</u> P.S.I.	First Flow Pressure	<u>30</u> Mins.	<u>30</u> Mins.
C First Final Flow Pressure	<u>91</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>32</u> Mins.
D Initial Closed-in Pressure	<u>1321</u> P.S.I.	Second Flow Pressure	<u>90</u> Mins.	<u>90</u> Mins.
E Second Initial Flow Pressure	<u>101</u> P.S.I.	Final Closed-in Pressure	<u>60</u> Mins.	<u>61</u> Mins.
F Second Final Flow Pressure	<u>201</u> P.S.I.			
G Final Closed-in Pressure	<u>1317</u> P.S.I.			
H Final Hydrostatic Mud	<u>2125</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>2</u> Min.		final inc. of <u>0</u> Min.		final inc. of <u>1</u> Min.	
Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>19</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>101</u>	<u>0</u>	<u>201</u>
P 2 <u>5</u>	<u>26</u>	<u>3</u>	<u>743</u>	<u>5</u>	<u>103</u>	<u>3</u>	<u>993</u>
P 3 <u>10</u>	<u>38</u>	<u>6</u>	<u>1168</u>	<u>10</u>	<u>107</u>	<u>6</u>	<u>1154</u>
P 4 <u>15</u>	<u>52</u>	<u>9</u>	<u>1237</u>	<u>15</u>	<u>117</u>	<u>9</u>	<u>1203</u>
P 5 <u>20</u>	<u>67</u>	<u>12</u>	<u>1268</u>	<u>20</u>	<u>119</u>	<u>12</u>	<u>1231</u>
P 6 <u>25</u>	<u>83</u>	<u>15</u>	<u>1284</u>	<u>25</u>	<u>126</u>	<u>15</u>	<u>1247</u>
P 7 <u>30</u>	<u>91</u>	<u>18</u>	<u>1295</u>	<u>30</u>	<u>131</u>	<u>18</u>	<u>1258</u>
P 8 _____		<u>21</u>	<u>1303</u>	<u>35</u>	<u>136</u>	<u>21</u>	<u>1264</u>
P 9 _____		<u>24</u>	<u>1309</u>	<u>40</u>	<u>143</u>	<u>24</u>	<u>1273</u>
P 10 _____		<u>27</u>	<u>1314</u>	<u>45</u>	<u>151</u>	<u>27</u>	<u>1281</u>
P 11 _____		<u>30</u>	<u>1319</u>	<u>50</u>	<u>155</u>	<u>30</u>	<u>1288</u>
P 12 _____		<u>32</u>	<u>1321</u>	<u>55</u>	<u>162</u>	<u>33</u>	<u>1283</u>
P 13 _____				<u>60</u>	<u>167</u>	<u>36</u>	<u>1294</u>
P 14 _____				<u>65</u>	<u>172</u>	<u>39</u>	<u>1299</u>
P 15 _____				<u>70</u>	<u>179</u>	<u>42</u>	<u>1303</u>
P 16 _____				<u>75</u>	<u>184</u>	<u>45</u>	<u>1306</u>
P 17 _____				<u>80</u>	<u>191</u>	<u>48</u>	<u>1308</u>
P 18 _____				<u>85</u>	<u>196</u>	<u>51</u>	<u>1310</u>
P 19 _____				<u>90</u>	<u>201</u>	<u>54</u>	<u>1312</u>
P 20 _____						<u>57</u>	<u>1314</u>
						<u>60</u>	<u>1316</u>
						<u>61</u>	<u>1317</u>

