



Home Office: Great Bend, Kansas
P. O. Box 793 (316) 793-7903

Company O.A. Sutton Lease & Well No. Hamilton #1
Elevation 2223 Derrick Floor Formation Fort Scott Effective Pay _____ Ft. Ticket No. 19039
Date 8-13-74 Sec. 32 Twp. 21S Range 22 County Hodgeman State Kansas
Test Approved by Bob Euwer Western Representative Tim Ziegler
Formation Test No. 1 O.K. ☒ Misrun _____ Interval Tested From 4360' to 4384' Total Depth 4384'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 4355 Ft. Size 6 3/4 Bottom Packer Depth 4360 Ft. Size 6 3/4
Straddle No 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 24 Ft. Size 5 1/2 OD Surface Choke Size 3/8 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4385 Ft. Clock No. 8377 Depth 4388 Ft. Clock No. 6866
Top Make Kuster Cap. 4500 No. 3085 Inside _____ Outside _____ Bottom Make Kuster Cap. 4400 No. 2603 Inside _____ Outside _____
Below Straddle: Depth _____ Rec. No. _____ Clock No. _____ Inside _____ Outside _____
Time Set Packer 3:27 P
Tool Open I.F.P. From 3:30 P M. to 4:00P M. Hr. 30 Min. From (B) 26 P.S.I. To (C) 23 P.S.I.
Tool Closed I.C.I.P. From 4:00P M. to 4:30 P M. Hr. 30 Min (D) 1219 P.S.I.
Tool Open F.F.P. From 4:30P M. to 5:18 P M. Hr. 48 Min. From (E) 33 P.S.I. To (F) 37 P.S.I.
Tool Closed F.C.I.P. From 5:18 M. to 5:48 P M. Hr. 30 Min. (G) 1123 P.S.I.
Initial Hydrostatic Pressure (A) 2258 P.S.I. Final Hydrostatic Pressure (H) 2246 P.S.I. Maximum Temp. 127

INFORMATION

BLOW Weak; died in 20 minutes
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 35 feet drilling mud with oil specks on tool
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 43 Weight 9.5 Water Loss 5.6 cc. Chlorides _____
EXTRA EQUIPMENT: Type Circ. Sub. Plug Safety Joint _____ No _____ Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packer: Yes Did Packers Hold? Yes Did Tool Plug? NO Where? _____
DRILLING CONTRACTOR _____ Length Drill Pipe? 4223 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.
Length Weight Pipe _____ Ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 161 Ft. I.D. Drill Collars 2.2 In.
Tool Joint Size _____ In. Length D.S.T. Tool 44 Ft.
Remarks:

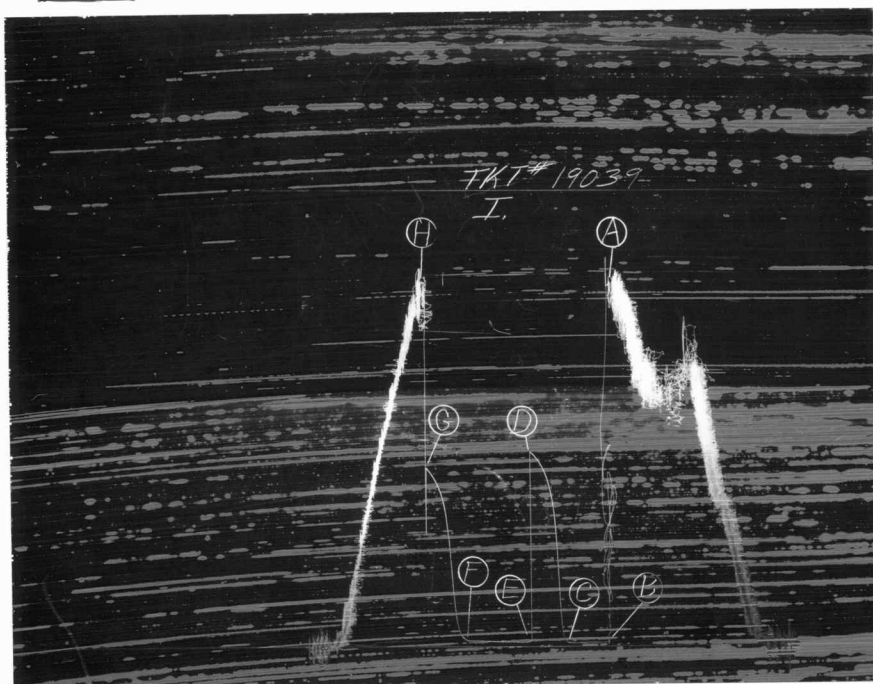
WESTERN TESTING CO., INC.

Pressure Data

Date 8-13-74 Recorder No. 3085 Capacity 4500 Test Ticket No. 19039
 Clock No. 8377 Elevation 2223 Derrick Floor Location 4385 Ft. Well Temperature 127 °F
Point **Pressure** **Time Given** **Time Computed**
 A Initial Hydrostatic Mud 2258 P.S.I. Open Tool 3:30 P M
 B First Initial Flow Pressure 26 P.S.I. First Flow Pressure 30 Mins. 30 Mins.
 C First Final Flow Pressure 23 P.S.I. Initial Closed-in Pressure 30 Mins. 30 Mins.
 D Initial Closed-in Pressure 1219 P.S.I. Second Flow Pressure 48 Mins. 50 Mins.
 E Second Initial Flow Pressure 33 P.S.I. Final Closed-in Pressure 30 Mins. 33 Mins.
 F Second Final Flow Pressure 37 P.S.I.
 G Final Closed-in Pressure 1123 P.S.I.
 H Final Hydrostatic Mud 2246 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>10</u> Inc.		Breakdown: <u>11</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>26</u>	<u>0</u>	<u>23</u>	<u>0</u>	<u>33</u>	<u>0</u>	<u>37</u>
P 2 <u>5</u>	<u>25</u>	<u>3</u>	<u>63</u>	<u>5</u>	<u>29</u>	<u>3</u>	<u>53</u>
P 3 <u>10</u>	<u>24</u>	<u>6</u>	<u>311</u>	<u>10</u>	<u>30</u>	<u>6</u>	<u>88</u>
P 4 <u>15</u>	<u>24</u>	<u>9</u>	<u>635</u>	<u>15</u>	<u>31</u>	<u>9</u>	<u>220</u>
P 5 <u>20</u>	<u>23</u>	<u>12</u>	<u>858</u>	<u>20</u>	<u>32</u>	<u>12</u>	<u>466</u>
P 6 <u>25</u>	<u>22</u>	<u>15</u>	<u>979</u>	<u>25</u>	<u>33</u>	<u>15</u>	<u>699</u>
P 7 <u>30</u>	<u>23</u>	<u>18</u>	<u>1060</u>	<u>30</u>	<u>34</u>	<u>18</u>	<u>858</u>
P 8		<u>21</u>	<u>1121</u>	<u>35</u>	<u>34</u>	<u>21</u>	<u>953</u>
P 9		<u>24</u>	<u>1162</u>	<u>40</u>	<u>35</u>	<u>24</u>	<u>1016</u>
P10		<u>27</u>	<u>1194</u>	<u>45</u>	<u>36</u>	<u>27</u>	<u>1062</u>
P11		<u>30</u>	<u>1219</u>	<u>50</u>	<u>37</u>	<u>30</u>	<u>1097</u>
P12						<u>33</u>	<u>1123</u>
P13							
P14							
P15							
P16							
P17							
P18							
P19							
P20							



This is an actual photograph of recorder chart.

POINT	PRESSURE		PSI
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2326	2258	PSI
(B) First Initial Flow Pressure	23	26	PSI
(C) First Final Flow Pressure	23	23	PSI
(D) Initial Closed-in Pressure	1221	1219	PSI
(E) Second Initial Flow Pressure	23	33	PSI
(F) Second Final Flow Pressure	35	37	PSI
(G) Final Closed-in Pressure	1129	1123	PSI
(H) Final Hydrostatic Mud	2316	2246	PSI



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Company O.A. Sutton Lease & Well No. Hamilton #1
Elevation 2223 Derrick Floor Mississippian Formation Effective Pay _____ Ft. Ticket No. 19040
Date 8-14-74 Sec. 32 Twp. 21S Range 22W County Hodgeman State Kansas
Test Approved by Bob Euwer Western Representative Tim Ziegler
Formation Test No. 2 O.K. ☒ Misrun _____ Interval Tested From 4449' to 4466' Total Depth 4466'
Size Main Hole 7 7/8 Rat Hole _____ Conv. _____ B.T. ☒ Damaged _____ Yes ☒ No Conv. ☒ B.T. _____ Damaged _____ Yes ☒ No
Top Packer Depth 4444 Ft. Size 6 3/4 Bottom Packer Depth 4449 Ft. Size 6 3/4
Straddle No 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 3/8 In. Bottom Choke Size 3/4 In.
RECORDERS Depth 4458 Ft. Clock No. 8377 Depth 4461 Ft. Clock No. 6866
Top Make Kuster Cap. 4500 No. 3085 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 5:12 P M
Tool Open I.F.P. From 5:15 P M. to 5:45P M. Hr. 30 Min. From (B) 25 P.S.I. To (C) 69 P.S.I.
Tool Closed I.C.I.P. From 5:45R M. to 6:15P M. Hr. 30 Min (D) 839 P.S.I.
Tool Open F.F.P. From 6:15P M. to 7:15R M. Hr. 60 Min. From (E) 91 P.S.I. To (F) 124 P.S.I.
Tool Closed F.C.I.P. From 7:15R M. to 8:15R M. Hr. 60 Min. (G) 748 P.S.I.
Initial Hydrostatic Pressure (A) 2339 P.S.I. Final Hydrostatic Pressure (H) 2321 P.S.I. Maximum Temp. 123

INFORMATION

BLOW Good blow building
Did Well Flow _____ Yes ☒ No _____ Recovery Total Ft. 260 feet salt water
Reversed Out _____ Yes ☒ No _____ Mud Type starch Viscosity 46 Weight 9.4 Water Loss 5.6 cc. Chlorides _____
EXTRA EQUIPMENT: Type Circ. Sub. Plug Safety Joint No Jars: Size _____ In. Make _____ Ser. No. _____
Dual Packer Yes Did Packers Hold? Yes Did Tool Plug? No Where? _____
DRILLING CONTRACTOR _____ Length Drill Pipe? 4308 Ft. I.D. Drill Pipe 3.8 In. Tool Joint Size _____ In.
Length Weight Pipe _____ Ft. I.D. Weight Pipe _____ In. Tool Joint Size _____ In. Length Drill Collars 121 Ft. I.D. Drill Collars 2.2 In.
Tool Joint Size _____ In. Length D.S.T. Tool 37 Ft.
Remarks:

WESTERN TESTING CO., INC.

Pressure Data

Date 8-14-74 Recorder No. 3085 Capacity 4500 Test Ticket No. 19040
 Location 4458 Ft. 123 °F
 Clock No. 8377 Elevation 2223 Derrick Floor Well Temperature _____ °F

Point	Pressure	Time Given	P	M	Time Computed
A Initial Hydrostatic Mud	2339 P.S.I.	5:15			
B First Initial Flow Pressure	25 P.S.I.	30			30 Mins.
C First Final Flow Pressure	69 P.S.I.	30			30 Mins.
D Initial Closed-in Pressure	839 P.S.I.	60			60 Mins.
E Second Initial Flow Pressure	91 P.S.I.	60			57 Mins.
F Second Final Flow Pressure	124 P.S.I.				
G Final Closed-in Pressure	748 P.S.I.				
H Final Hydrostatic Mud	2321 P.S.I.				

PRESSURE BREAKDOWN

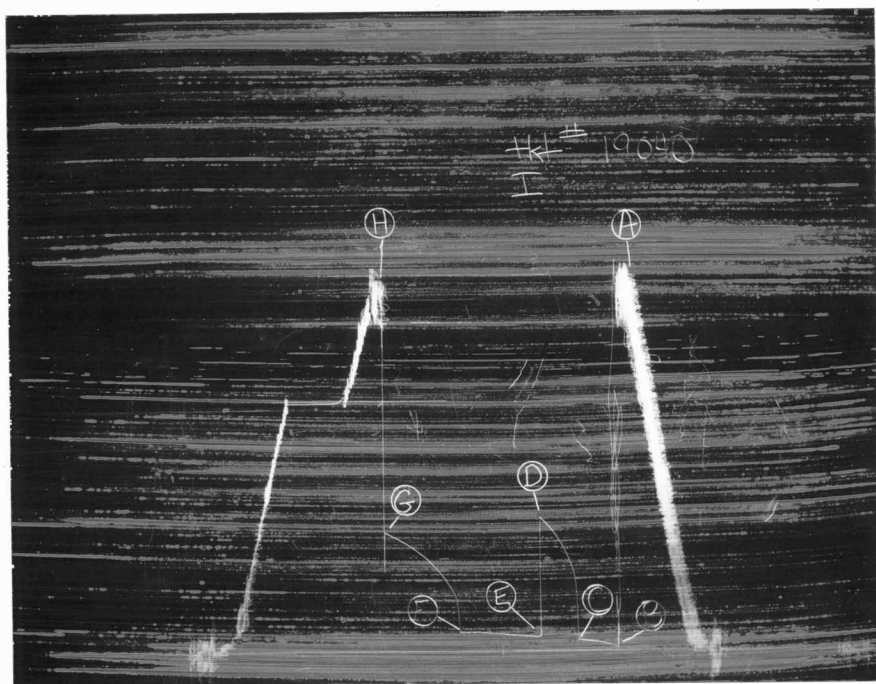
First Flow Pressure
 Breakdown: 6 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

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

Second Flow Pressure
 Breakdown: 12 Inc.
 of 5 mins. and a
 final inc. of 0 Min.

Final Shut-In
 Breakdown: 19 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 <u>0</u>	<u>25</u>	<u>0</u>	<u>69</u>	<u>0</u>	<u>91</u>	<u>0</u>	<u>124</u>
P 2 <u>5</u>	<u>36</u>	<u>3</u>	<u>478</u>	<u>5</u>	<u>92</u>	<u>3</u>	<u>332</u>
P 3 <u>10</u>	<u>47</u>	<u>6</u>	<u>551</u>	<u>10</u>	<u>93</u>	<u>6</u>	<u>385</u>
P 4 <u>15</u>	<u>56</u>	<u>9</u>	<u>611</u>	<u>15</u>	<u>98</u>	<u>9</u>	<u>422</u>
P 5 <u>20</u>	<u>61</u>	<u>12</u>	<u>658</u>	<u>20</u>	<u>100</u>	<u>12</u>	<u>457</u>
P 6 <u>25</u>	<u>66</u>	<u>15</u>	<u>693</u>	<u>25</u>	<u>104</u>	<u>15</u>	<u>493</u>
P 7 <u>30</u>	<u>69</u>	<u>18</u>	<u>732</u>	<u>30</u>	<u>109</u>	<u>18</u>	<u>523</u>
P 8 _____		<u>21</u>	<u>765</u>	<u>35</u>	<u>112</u>	<u>21</u>	<u>545</u>
P 9 _____		<u>24</u>	<u>793</u>	<u>40</u>	<u>116</u>	<u>24</u>	<u>570</u>
P10 _____		<u>27</u>	<u>818</u>	<u>45</u>	<u>118</u>	<u>27</u>	<u>590</u>
P11 _____		<u>30</u>	<u>839</u>	<u>50</u>	<u>122</u>	<u>30</u>	<u>611</u>
P12 _____				<u>55</u>	<u>123</u>	<u>33</u>	<u>629</u>
P13 _____				<u>60</u>	<u>124</u>	<u>36</u>	<u>650</u>
P14 _____						<u>39</u>	<u>665</u>
P15 _____						<u>42</u>	<u>680</u>
P16 _____						<u>45</u>	<u>694</u>
P17 _____						<u>48</u>	<u>709</u>
P18 _____						<u>51</u>	<u>723</u>
P19 _____						<u>54</u>	<u>734</u>
P20 _____						<u>57</u>	<u>748</u>



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	Field Reading	Office Reading	
(A) Initial Hydrostatic Mud	2280	2339	PSI
(B) First Initial Flow Pressure	23	25	PSI
(C) First Final Flow Pressure	71	69	PSI
(D) Initial Closed-in Pressure	839	839	PSI
(E) Second Initial Flow Pressure	83	91	PSI
(F) Second Final Flow Pressure	119	124	PSI
(G) Final Closed-in Pressure	746	748	PSI
(H) Final Hydrostatic Mud	2270	2321	PSI