

WESTERN

28-195-8w

Home Office: Great Bend, Kansas

P. O. Box 793

Gladstone 3-7903

Company O. A. Sutton Lease & Well No. Hill #1
 Elevation 1706' K.B. Ticket Number 2588
 Date 4-24-63 Sec. 28 Twp. 19S Range 8W County Rice State Kansas
 Test Approved by R. B. Gebhart, Jr. Western Representative George Tew

Formation Test No. 1 O.K. X Misrun Interval Tested From 3298' to 3323' Total Depth 3323'
 Size Main Hole 7 7/8" Rat Hole 6 1/8" Conv. X B.T. Damaged Yes X No Conv. B.T. Damaged Yes No
 Packer Depth 3298 Ft. Size 5 1/2" Packer Depth Ft. Size
 Straddle Yes No X 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 25 Ft. Size 4 1/2" O.D.

RECORDERS Depth 3315 Ft. Clock No. 6859 Depth 3318 Ft. Clock No. 60
 Top Make Amerada Cap. 4200# No. 1559 Inside Outside Bottom Make Western Cap. 4000# No. 60 Inside Outside
 Below Straddle: Depth Clock No. Inside Outside Depth Ft. Clock No. Inside Outside
 Top Make Cap. No. Outside Bottom Make Cap. No. Outside

Time Set Packer 6:10 P M
 Tool Open I.F.P. From 6:11P M to 6:13P M - Hr. 2 Min. From (B) 68 P.S.I. To (C) 68 P.S.I.
 Tool Closed I.C.I.P. From 6:13P M. to 6:43P M. - Hr. 30 Min. (D) 931 P.S.I.
 Tool Open F.F.P. From 6:43P M. to 7:43P M. 1 Hr. - Min. From (E) 75 P.S.I. To (F) 140 P.S.I.
 Tool Closed F.C.I.P. From 7:43P M. to 8:13P M. - Hr. 30 Min. (G) 910 P.S.I.
 Initial Hydrostatic Pressure (A) 1858 P.S.I. Final Hydrostatic Pressure (H) 1848 P.S.I.

SURFACE Size Choke 1/2 In. Max. Press. P.S.I. Time Description of Flow
 INFORMATION _____ M. _____
 _____ M. _____
 _____ M. _____

BLOW Strong blow, gas to surface in 14 mins. - Too small to gauge Bottom Choke Size 3/4 In.
 Did Well Flow X Yes No Recovery Total Ft. 280' - 30' H.O. & G.C. - 60' S.M.C.O. -
180' Free Oil - 10' Wtr. Salt

Reversed Out Yes X No Mud Type Salt Viscosity 44 Weight 10.4 Maximum Temp. 112 °F

EXTRA EQUIPMENT: Dual Packers No Safety Joint No Jars: Size No Make Ser. No.
 Type Circ. Sub. 4 1/2" F.H. Plug Did Tool Plug? No Where? Did Packer Hold? Yes

Length Drill Pipe 3280 ft. I.D. Drill Pipe 3.8 in. Length Weight Pipe ft. I.D. Weight Pipe in. Length Drill Collars ft.
 I. D. Drill Collars in. Length D. S. T. Tool 43 ft.

Remarks

WESTERN TESTING CO., INC.

Pressure Data

Date 4-24-63 Test Ticket No. 2588
 Recorder No. 1559 Capacity 4200# Location 3315 Ft.
 Clock No. 6859 Elevation 1706' K.B. Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
A Initial Hydrostatic Mud	<u>1858</u> P.S.I.	Opened Tool	<u>6:11 P</u>	<u>6:11 P</u>
B First Initial Flow Pressure	<u>68</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>68</u> P.S.I.	Initial Closed-in Pressure	<u>30</u> Mins.	<u>33</u> Mins.
D Initial Closed-in Pressure	<u>931</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>60</u> Mins.
E Second Initial Flow Pressure	<u>75</u> P.S.I.	Final Closed-in Pressure	<u>30</u> Mins.	<u>31</u> Mins.
F Second Final Flow Pressure	<u>140</u> P.S.I.			
G Final Closed-in Pressure	<u>910</u> P.S.I.			
H Final Hydrostatic Mud	<u>1848</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press. Breakdown: <u>1</u> Inc. of <u>2</u> mins. and a final inc. of <u>0</u> Min.	Initial Shut-In Breakdown: <u>11</u> Inc. of <u>3</u> mins. and a final inc. of <u>-</u> Min.	Second Flow Pressure Breakdown: <u>12</u> Inc. of <u>5</u> mins. and a final inc. of <u>-</u> Min.	Final Shut-In Breakdown: <u>10</u> Inc. of <u>3</u> mins. and a final inc. of <u>1</u> Min.
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Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>68</u>	<u>0</u>	<u>68</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>140</u>
P 2 <u>2</u>	<u>68</u>	<u>3</u>	<u>271</u>	<u>5</u>	<u>77</u>	<u>3</u>	<u>439</u>
P 3		<u>6</u>	<u>508</u>	<u>10</u>	<u>85</u>	<u>6</u>	<u>641</u>
P 4		<u>9</u>	<u>658</u>	<u>15</u>	<u>94</u>	<u>9</u>	<u>745</u>
P 5		<u>12</u>	<u>782</u>	<u>20</u>	<u>100</u>	<u>12</u>	<u>803</u>
P 6		<u>15</u>	<u>807</u>	<u>25</u>	<u>104</u>	<u>15</u>	<u>834</u>
P 7		<u>18</u>	<u>830</u>	<u>30</u>	<u>110</u>	<u>18</u>	<u>855</u>
P 8		<u>21</u>	<u>845</u>	<u>35</u>	<u>114</u>	<u>21</u>	<u>872</u>
P 9		<u>24</u>	<u>853</u>	<u>40</u>	<u>119</u>	<u>24</u>	<u>887</u>
P10		<u>27</u>	<u>880</u>	<u>45</u>	<u>125</u>	<u>27</u>	<u>897</u>
P11		<u>30</u>	<u>916</u>	<u>50</u>	<u>129</u>	<u>30</u>	<u>908</u>
P12		<u>33</u>	<u>931</u>	<u>55</u>	<u>135</u>	<u>31</u>	<u>910</u>
P13				<u>60</u>	<u>140</u>		
P14							
P15							
P16							
P17							
P18							
P19							
P20							

WESTERN TESTING CO., INC.
Pressure Data

Date 4-24-63 Test Ticker No. 2588
 Recorder No. 1559 Capacity 4200# Location 3315 Ft.
 Clock No. 6859 Elevation 1706' K.B. Well Temperature 112 °F

Point	Pressure		Time Given	Time Computed
			<u>6:11 P</u>	<u>6:11 PM</u>
A Initial Hydrostatic Mud	<u>1860</u> P.S.I.	Opened Tool		
B First Initial Flow Pressure	<u>85</u> P.S.I.	First Flow Pressure	<u>2</u> Mins.	<u>2</u> Mins.
C First Final Flow Pressure	<u>85</u> P.S.I.	Initial Closed-In Pressure	<u>30</u> Mins.	<u>30</u> Mins.
D Initial Closed-In Pressure	<u>933</u> P.S.I.	Second Flow Pressure	<u>60</u> Mins.	<u>63</u> Mins.
E Second Initial Flow Pressure	<u>75</u> P.S.I.	Final Closed-In Pressure	<u>30</u> Mins.	<u>33</u> Mins.
F Second Final Flow Pressure	<u>140</u> P.S.I.			
G Final Closed-In Pressure	<u>912</u> P.S.I.			
H Final Hydrostatic Mud	<u>1852</u> P.S.I.			

PRESSURE BREAKDOWN

First Flow Press.	Initial Shut-In	Second Flow Pressure	Final Shut-In
Breakdown: <u>1</u> Inc.	Breakdown: <u>10</u> Inc.	Breakdown: <u>12</u> Inc.	Breakdown: <u>11</u> Inc.
of <u>2</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>-</u> Min.	final Inc. of <u>-</u> Min.	final Inc. of <u>3</u> Min.	final Inc. of <u>-</u> Min.

Point Mins.	Press.	Point Minutes	Press.	Point Minutes	Press.	Point Minutes	Press.
P 1 <u>0</u>	<u>85</u>	<u>0</u>	<u>85</u>	<u>0</u>	<u>75</u>	<u>0</u>	<u>140</u>
P 2 <u>2</u>	<u>85</u>	<u>3</u>	<u>209</u>	<u>5</u>	<u>79</u>	<u>3</u>	<u>346</u>
P 3		<u>6</u>	<u>359</u>	<u>10</u>	<u>83</u>	<u>6</u>	<u>587</u>
P 4		<u>9</u>	<u>543</u>	<u>15</u>	<u>89</u>	<u>9</u>	<u>710</u>
P 5		<u>12</u>	<u>770</u>	<u>20</u>	<u>96</u>	<u>12</u>	<u>780</u>
P 6		<u>15</u>	<u>814</u>	<u>25</u>	<u>104</u>	<u>15</u>	<u>824</u>
P 7		<u>18</u>	<u>857</u>	<u>30</u>	<u>108</u>	<u>18</u>	<u>851</u>
P 8		<u>21</u>	<u>885</u>	<u>35</u>	<u>112</u>	<u>21</u>	<u>866</u>
P 9		<u>24</u>	<u>905</u>	<u>40</u>	<u>117</u>	<u>24</u>	<u>882</u>
P10		<u>27</u>	<u>920</u>	<u>45</u>	<u>123</u>	<u>27</u>	<u>895</u>
P11		<u>30</u>	<u>933</u>	<u>50</u>	<u>127</u>	<u>30</u>	<u>903</u>
P12				<u>55</u>	<u>132</u>	<u>33</u>	<u>912</u>
P13				<u>60</u>	<u>137</u>		
P14				<u>63</u>	<u>140</u>		
P15							
P16							
P17							
P18							
P19							
P20							

WHELAN PRINTERS

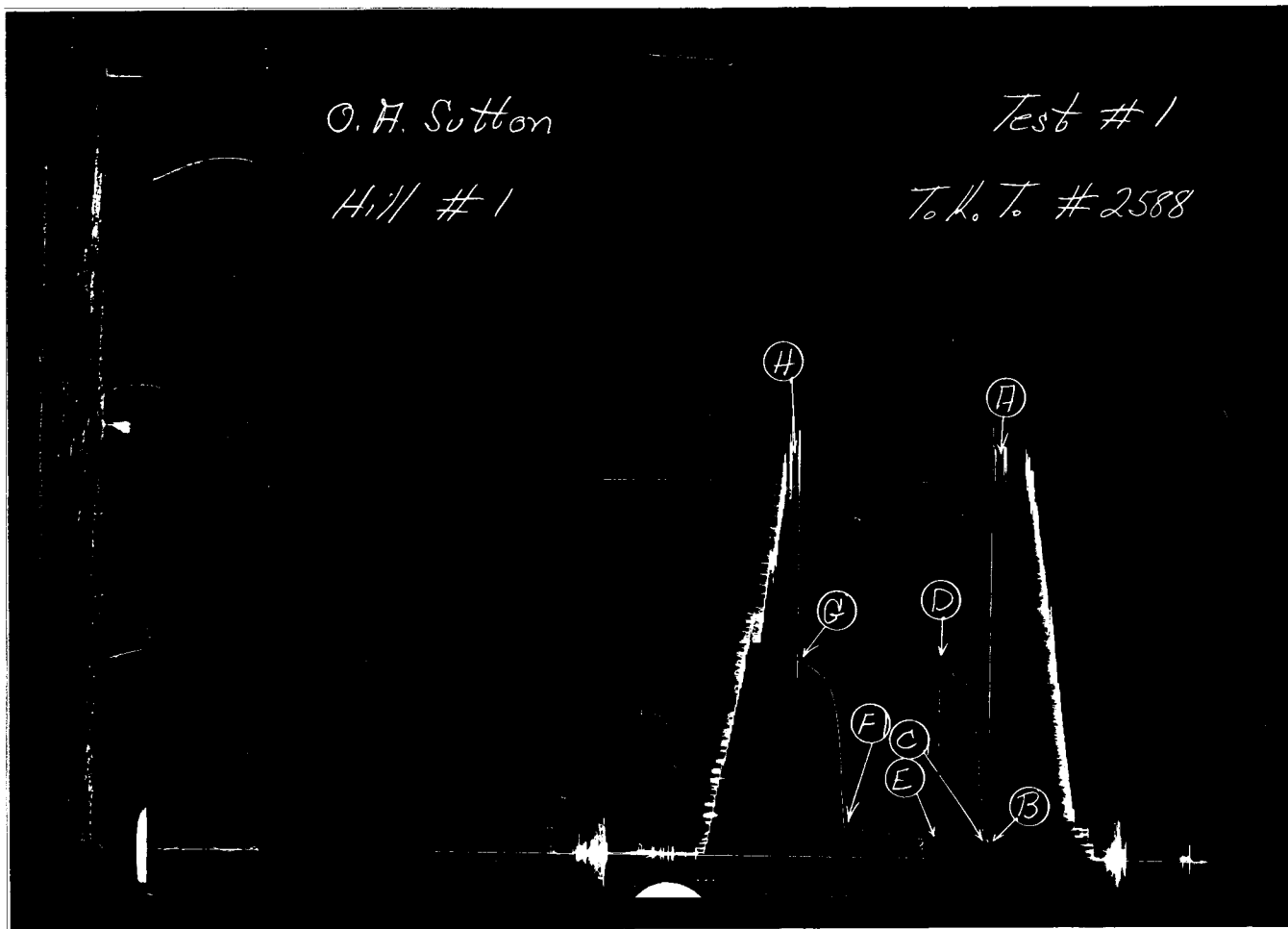
Connected Readings

O. H. Sutton

Test # 1

Hill # 1

T. K. T. # 2588



This is an actual photograph of recorder chart.

POINT

PRESSURE

(A)	Initial Hydrostatic Mud.....	1858	PSI
(B)	First Initial Flow Pressure.....	68	PSI
(C)	First Final Flow Pressure.....	68	PSI
(D)	Initial Closed-in Pressure.....	931	PSI
(E)	Second Initial Flow Pressure.....	75	PSI
(F)	Second Final Flow Pressure.....	140	PSI
(G)	Final Closed-in Pressure.....	910	PSI
(H)	Final Hydrostatic Mud.....	1848	PSI