

Tool Open: 1st Flow 30 hrs. 30 mins: Shut-in Initial 30 min: 2nd Flow 1 hr. 45 min: Shut-in Final 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2460</u>	<u>2472</u>
(B) Initial 1st Flow Pressure	<u>34</u>	<u>34</u>
(C) Final 1st Flow Pressure	<u>34</u>	<u>34</u>
(D) Initial Shut-in Pressure	<u>45</u>	<u>38</u>
(E) Initial 2nd Flow Pressure	<u>34</u>	<u>34</u>
(F) Final 2nd Flow Pressure	<u>34</u>	<u>40</u>
(G) Final Shut-in Pressure	<u>67</u>	<u>56</u>
(H) Final Hydrostatic Pressure	<u>2393</u>	<u>2404</u>

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company MULL DRILLING CO.

Lease and Well No. MILLER #1

County NESS State KANSAS Date JULY 26, 1967

Formation Test No. 1 Total Depth 4505 Elev. 2530 DF
Interval Tested 4463 To 4505 Anchor Length 42'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10.1 Viscosity 44 Water Loss 10.2 c.c. Bottom Hole Temp. 114 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 8243

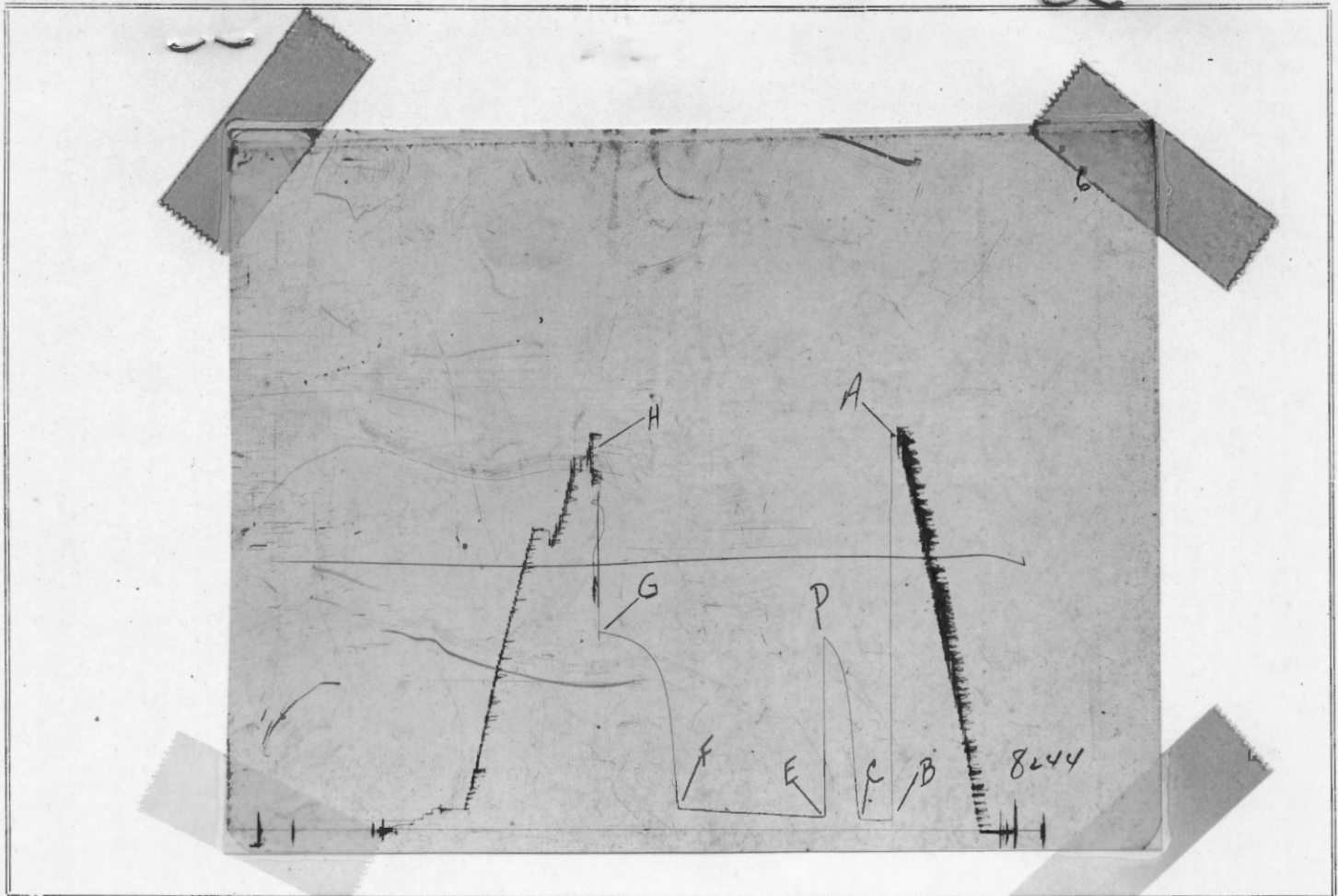
RECOVERY

WEAK BLOW FOR 5 MINUTES ON FIRST OPENING. WEAK BLOW FOR 3 MINUTES ON SECOND OPENING. FLUSHED TOOL AT 15, 30, and 45 MINUTES ON SECOND FLOW.

10 FEET OF DRILLING MUD.

Lease and Well No. MILLER #1 33 16S 21W C NE NE

Formation Test No. 1



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 30 min: 2nd Flow 2 hr. min: Shut-in Final 1 hr. min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2465</u>	<u>2476</u>
(B) Initial 1st Flow Pressure	<u>56</u>	<u>64</u>
(C) Final 1st Flow Pressure	<u>67</u>	<u>67</u>
(D) Initial Shut-in Pressure	<u>1180</u>	<u>1180</u>
(E) Initial 2nd Flow Pressure	<u>67</u>	<u>83</u>
(F) Final 2nd Flow Pressure	<u>123</u>	<u>134</u>
(G) Final Shut-in Pressure	<u>1220</u>	<u>1225</u>
(H) Final Hydrostatic Pressure	<u>2449</u>	<u>2404</u>

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company MULL DRILLING CO.

Lease and Well No. MILLER #1

County NESS State KANSAS Date JULY 27, 1967

Formation Test No. <u>2</u>	Total Depth <u>4526</u>	Elev. <u>2530 DF</u>
Interval Tested <u>4462</u>	To <u>4526</u>	Anchor Length <u>64'</u>
Size Hole <u>7 7/8</u>	Size Drill Pipe <u>4 1/2 FH</u>	Size Packer <u>6 3/4</u>
Mud Weight <u>10.2</u>	Viscosity <u>43</u>	Water Loss <u>10.6</u> c.c. Bottom Hole Temp. <u>114</u> °F
Chokes: Top <u>1/2</u>	Bottom <u>1/2</u>	Ticket No. <u>8244</u>

RECOVERY

WEAK STEADY BLOW FOR 30 MINUTES ON FIRST FLOW. VERY WEAK
INTERMITTENT BLOW FOR 2 HOURS ON SECOND FLOW.

185 FEET OF OIL CUT MUD.

Lease and Well No. MILLER #1 33 16S 24W C NE NE

Formation Test No. 2

COMPANY MULL DRILLING CO.

DATE JULY 27, 1967

LEASE MILLER

WELL NO. 1

TEST NO. 2

TICKET NO. 8244

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2476
INITIAL CLOSED IN PRESSURE	30 mins.	1180
INITIAL FLOW	30 mins.	64 to 67
FINAL FLOW	120 mins.	83 to 134
FINAL CLOSED IN PRESSURE	60 mins.	1225
FINAL HYDRO MUD PRESSURE		2404

TOTAL DEPTH 4526

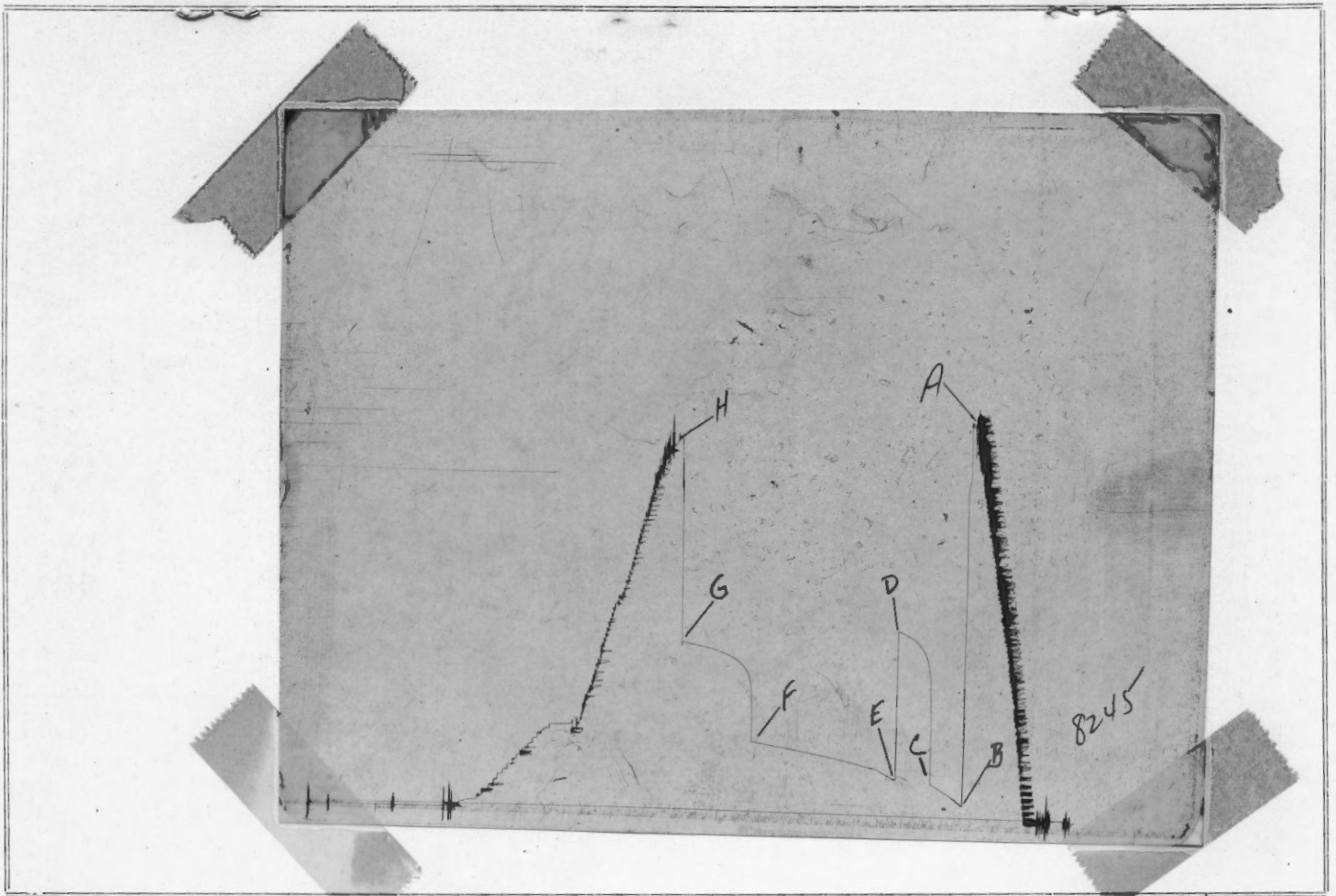
PACKER DEPTH 4462

BT. NO. 1134 DEPTH 4521

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	64		67	83	134	134	1225
	64		268	83		790	
	64		779	90		946	
	64		1001	90		1023	
	64		1091	98		1084	
	65		1135	101		1124	
	67		1180	105		1153	
				112		1173	
				114		1184	
				119		1196	
				125		1207	
				132		1218	
5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA



Tool Open: 1st Flow 30 mins: Shut-in Initial 30 min: 2nd Flow 2 hr. min: Shut-in Final 1 hr. min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2506</u>	<u>2494</u>
(B) Initial 1st Flow Pressure	<u>67</u>	<u>72</u>
(C) Final 1st Flow Pressure	<u>201</u>	<u>201</u>
(D) Initial Shut-in Pressure	<u>1113</u>	<u>1146</u>
(E) Initial 2nd Flow Pressure	<u>201</u>	<u>223</u>
(F) Final 2nd Flow Pressure	<u>402</u>	<u>435</u>
(G) Final Shut-in Pressure	<u>1046</u>	<u>1055</u>
(H) Final Hydrostatic Pressure	<u>2460</u>	<u>2381</u>

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company MULL DRILLING CO.

Lease and Well No. MILLER #

County NESS State KANSAS Date JULY 27, 1967

Formation Test No. 3 Total Depth 4532 Elev. 2530 DF

Interval Tested 4461 To 4532 Anchor Length 71'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4

Mud Weight 9.9 Viscosity 57 Water Loss 8 c.c. Bottom Hole Temp. 120 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 8245

RECOVERY

GOOD STEADY BLOW THROUGHOUT TEST.

15 FEET OF THIN OIL CUT MUD, SOME FREE OIL
60 FEET OF THIN OIL CUT MUD, SOME FREE OIL AND OILY WATERY MUD
60 FEET OF MUDDY WATER SLIGHTLY OIL CUT.
300 FEET OF WATERY MUD SLIGHTLY OIL CUT.
540 FEET OF WATER.

Lease and Well No. MILLER #1 33 16S 24W C NE NE

Formation Test No. 3

COMPANY MULL DRILLING CO. DATE JULY 27, 1967

LEASE MILLER WELL NO. 1 TEST NO. 3 TICKET NO. 8245

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2494
INITIAL CLOSED IN PRESSURE	30 mins.	1146
INITIAL FLOW	30 mins.	72 to 201
FINAL FLOW	120 mins.	223 to 435
FINAL CLOSED IN PRESSURE	60 mins.	1055
FINAL HYDRO MUD PRESSURE		2381

TOTAL DEPTH 4532

PACKER DEPTH 4461

BT. NO. 1134 DEPTH 4527

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	72		201	223	435	435	1055
	101		946	268		846	
	123		1037	290		912	
	148		1082	306		941	
	170		1113	324		961	
	190		1135	346		979	
	201		1146	357		1001	
				375		1012	
				386		1023	
				402		1038	
				413		1041	
				424		1048	
5 MINUTE INTERVAL		5 MINUTE INTERVAL		10 MINUTE INTERVAL		5 MINUTE INTERVAL	

REMARKS _____

SPECIAL PRESSURE DATA