

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company UTICA SOUTHERN EXPLORATION, INC.

Lease and Well No. BUSCH #1

County NESS State KANSAS

Date SEPTEMBER 4, 1973

Formation Test No.	<u>1</u>	Total Depth	<u>4265</u>	Elev.	
Interval Tested	<u>4227</u>	To	<u>4265</u>	Anchor Length	<u>38'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2 F.H.</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>9.5</u>	Viscosity	<u>45</u>	Water Loss	<u>12.4</u> c.c.
				Bottom Hole Temp.	<u>112</u> °F
Chokes! Top	<u>1/2</u>	Bottom	<u>1/2</u>	Ticket No.	<u>12642</u>
Length of Drill Collar		I. D.		Length Flexweight	<u>1050</u>
				I. D.	<u>2.76</u>

RECOVERY

WEAK BLOW FOR 10 MINUTES.

65 FEET OF MUD WITH VERY FEW OIL SPECKS IN TOP 5 FEET.

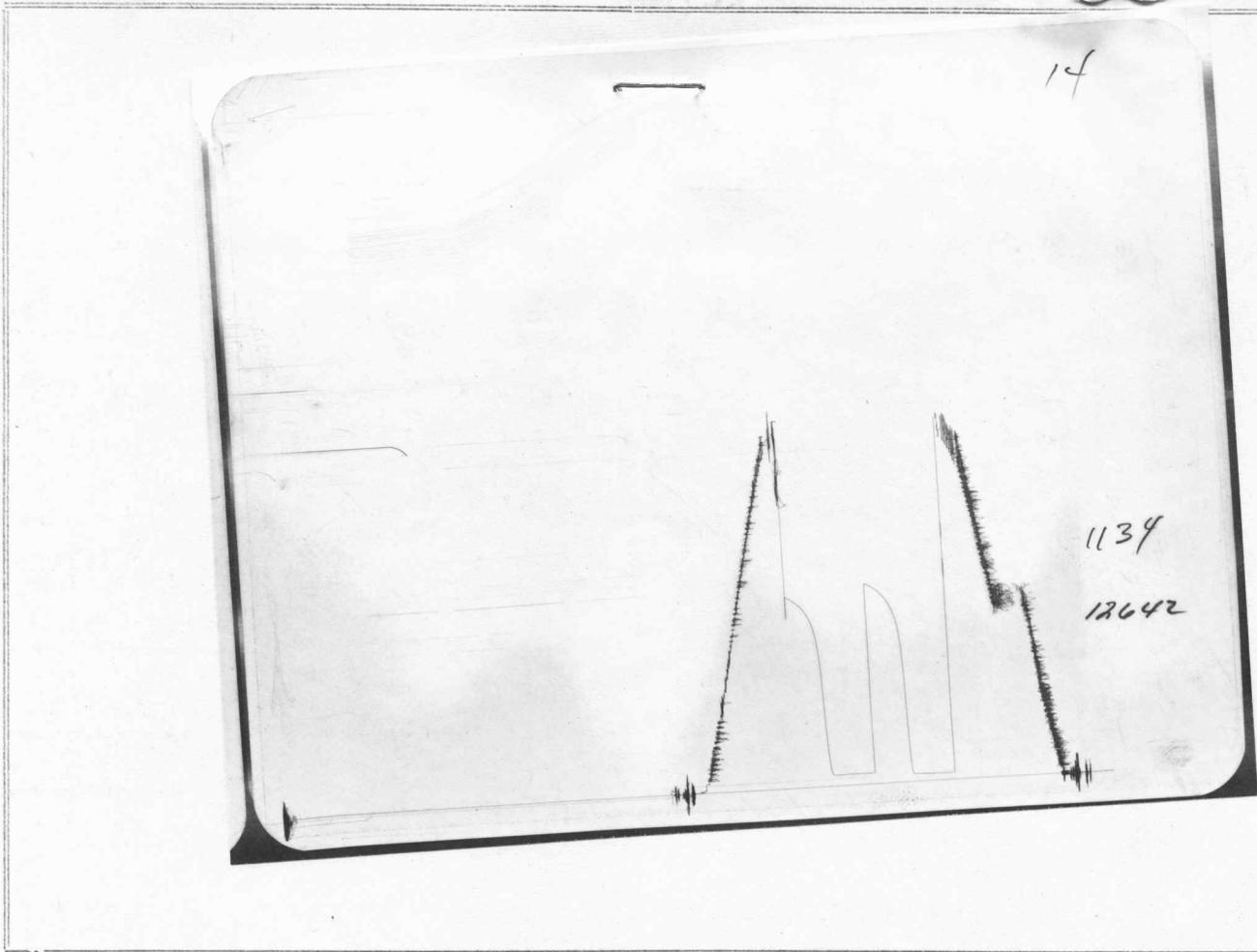
Lease and Well No.

BUSCH #1

30-20S-23W

C SE NE

Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2198</u>	<u>2133</u>
(B) Initial 1st Flow Pressure	<u>37</u>	<u>44</u>
(C) Final 1st Flow Pressure	<u>37</u>	<u>47</u>
(D) Initial Shut-in Pressure	<u>1200</u>	<u>1213</u>
(E) Initial 2nd Flow Pressure	<u>69</u>	<u>71</u>
(F) Final 2nd Flow Pressure	<u>69</u>	<u>71</u>
(G) Final Shut-in Pressure	<u>1147</u>	<u>1158</u>
(H) Final Hydrostatic Pressure	<u>2155</u>	<u>2121</u>

12642

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company UTICA SOUTHERN EXPLORATION, INC.
Lease and Well No. BUSCH #1
County NESS State KANSAS Date SEPTEMBER 5, 1973

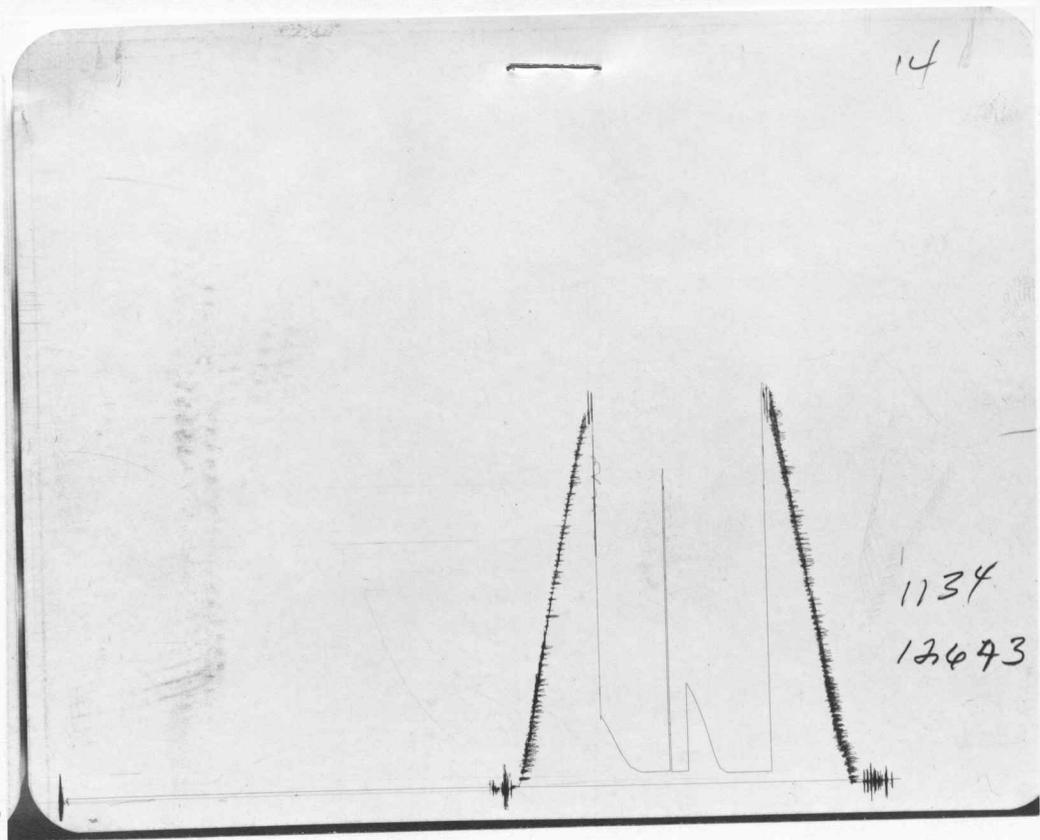
Formation Test No. 2 Total Depth 4360 Elev. _____
Interval Tested 4288 To 4360 Anchor Length 72'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.7 Viscosity 44 Water Loss 12 c.c. Bottom Hole Temp. 114 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 12643
Length of Drill Collar _____ I. D. _____ Length Flexweight 1050 I. D. 2.76

RECOVERY

WEAK BLOW FOR 12 MINUTES. FLUSHED TOOL 15 MINUTES AFTER
SECOND OPENING. NO BLOW.

10 FEET OF MUD WITH FEW OIL SPECKS WITH SHOW OF FREE OIL
IN TOP OF TOOL.

Lease and Well No. BUSCH #1 30-20S-23W C SE NE Formation Test No. 2



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2251</u>	<u>2234</u>
(B) Initial 1st Flow Pressure	<u>87</u>	<u>67</u>
(C) Final 1st Flow Pressure	<u>87</u>	<u>67</u>
(D) Initial Shut-in Pressure	<u>583</u>	<u>591</u>
(E) Initial 2nd Flow Pressure	<u>97</u>	<u>78</u>
(F) Final 2nd Flow Pressure	<u>108</u>	<u>80</u>
(G) Final Shut-in Pressure	<u>411</u>	<u>413</u>
(H) Final Hydrostatic Pressure	<u>2219</u>	<u>2178</u>

12643

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company UTICA SOUTHERN EXPLORATION, INC.

Lease and Well No. BUSCH #1

County NESS State KANSAS Date SEPTEMBER 6, 1973

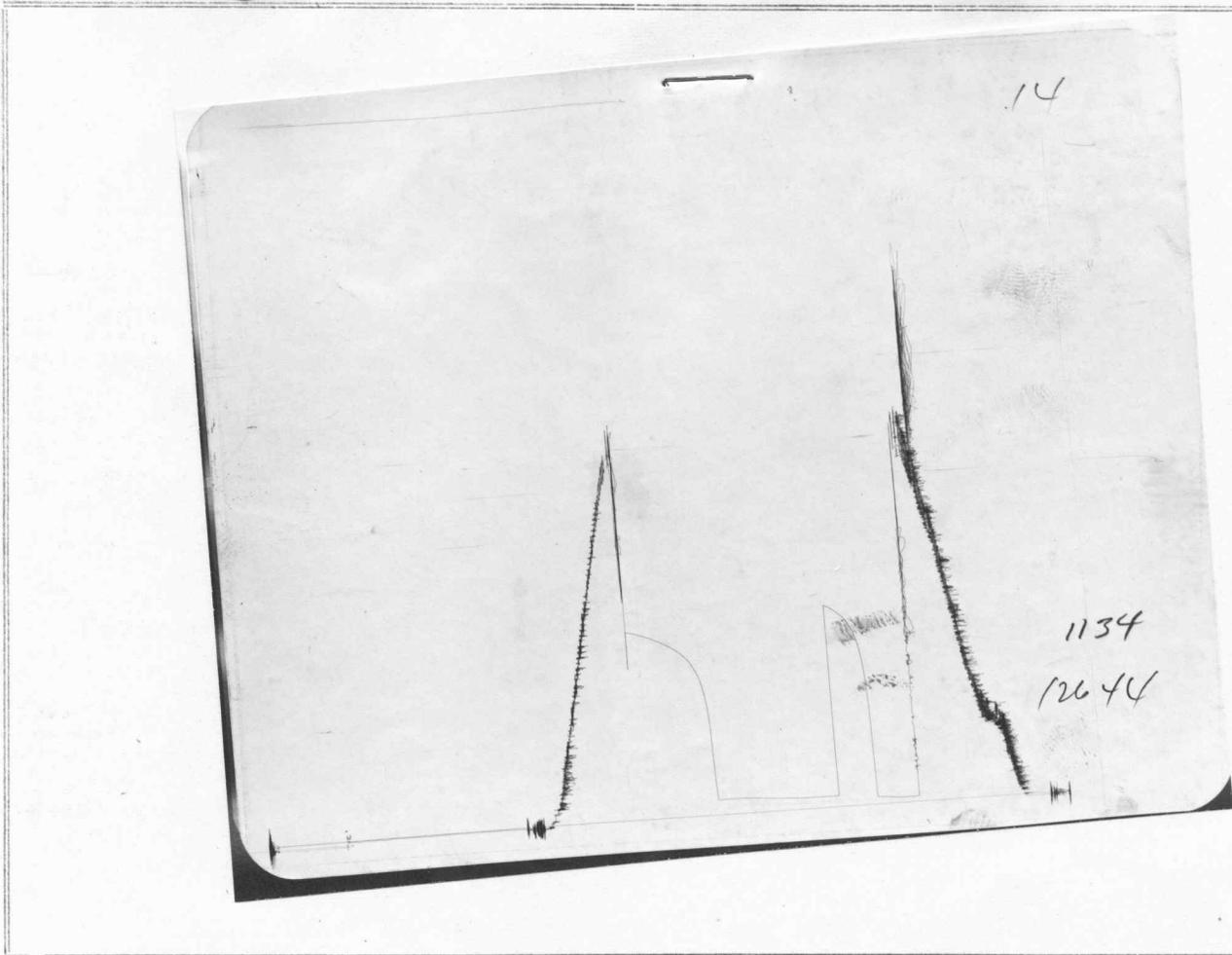
Formation Test No.	<u>3</u>	Total Depth	<u>4377</u>	Elev.	<u>2247 K.B.</u>
Interval Tested	<u>4360</u>	To	<u>4377</u>	Anchor Length	<u>17'</u>
Size Hole	<u>7 7/8</u>	Size Drill Pipe	<u>4 1/2</u>	Size Packer	<u>6 3/4</u>
Mud Weight	<u>9.7</u>	Viscosity	<u>44</u>	Water Loss	<u>12</u> c.c.
Chokes: Top	<u>1/2</u>	Bottom	<u>1/2</u>	Bottom Hole Temp.	<u>122</u> °F
Length of Drill Collar		I. D.		Ticket No.	<u>12644</u>
		Length Flexweight	<u>1050</u>	I. D.	<u>2.76</u>

RECOVERY

WEAK STEADY BLOW DECREASED TO VERY WEAK BY END OF TEST.

2 FEET OF FREE OIL.
180 FEET OF MUDDY WATER.

Lease and Well No. BUSCH #1 30-20S-23W C SE NE Formation Test No. 3



Tool Open: 1st Flow 30 hr. 30 mins: Shut-in Initial 30 hr. 30 min: 2nd Flow 90 hr. 90 min: Shut-in Final 60 hr. 60 min

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2304</u>	<u>2200</u>
(B) Initial 1st Flow Pressure	<u>58</u>	<u>33</u>
(C) Final 1st Flow Pressure	<u>58</u>	<u>44</u>
(D) Initial Shut-in Pressure	<u>1194</u>	<u>1202</u>
(E) Initial 2nd Flow Pressure	<u>93</u>	<u>67</u>
(F) Final 2nd Flow Pressure	<u>102</u>	<u>94</u>
(G) Final Shut-in Pressure	<u>1136</u>	<u>1124</u>
(H) Final Hydrostatic Pressure	<u>2262</u>	<u>2155</u>

12644