

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company MURFIN DRILLING COMPANY

Lease and Well No. GANTZ # 1

County NESS State KANSAS

Date OCTOBER 23, 1971

Formation Test No. 1 *Fr Scott* Total Depth 4303 Elev. _____
Interval Tested 4269 To 4303 Anchor Length 34'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.4 Viscosity 35 Water Loss 7.6 c.c. Bottom Hole Temp. _____ °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10620
Length of Drill Collar 186 I. D. 2.25 Length Flexweight 446 I. D. 2.76

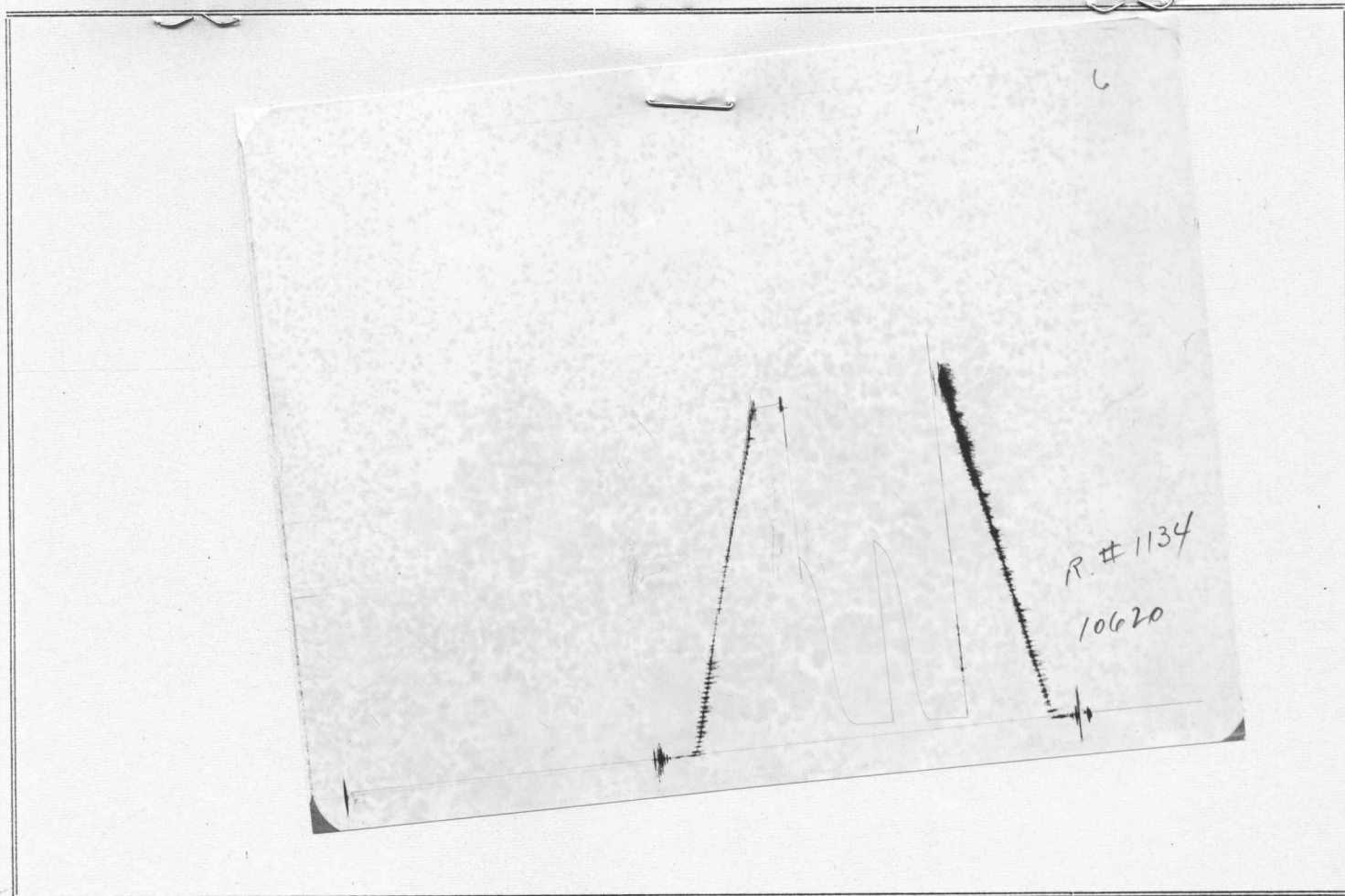
RECOVERY

WEAK BLOW FOR 30 MINUTES.

120 FEET OF MUD WITH FEW OIL SPECKS.

Lease and Well No. GANTZ # 1 13 19S 23W

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>2279</u>	<u>2200</u>
(B) Initial 1st Flow Pressure	<u>44</u>	<u>45</u>
(C) Final 1st Flow Pressure	<u>56</u>	<u>67</u>
(D) Initial Shut-in Pressure	<u>1235</u>	<u>1236</u>
(E) Initial 2nd Flow Pressure	<u>67</u>	<u>78</u>
(F) Final 2nd Flow Pressure	<u>78</u>	<u>83</u>
(G) Final Shut-in Pressure	<u>1180</u>	<u>1180</u>
(H) Final Hydrostatic Pressure	<u>2257</u>	<u>2178</u>

10620

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company MURFIN DRILLING COMPANY

Lease and Well No. GANTZ # 1

County NESS State BARTON Date OCTOBER 24, 1971

Formation Test No. 2 Total Depth 4380 Elev. _____

Interval Tested 4337 To 4380 Anchor Length 43'

Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4

Mud Weight 9.5 Viscosity 41 Water Loss 13.2 c.c. Bottom Hole Temp. 116 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 10621

Length of Drill Collar 186 I. D. 2.25 Length Flexweight 446 I. D. 2.76

RECOVERY

GOOD BLOW THROUGHOUT TEST.

75 FEET OF HEAVY OIL CUT MUD.
180 FEET OF MUD AND GAS CUT OIL.
60 FEET OF MUDDY GASSY OIL.
60 FEET OF MUDDY GASSY OIL.

Lease and Well No. GANTZ # 1 13 19S 23W

Formation Test No. 2

COMPANY MURFIN DRILLING COMPANYDATE OCTOBER 24, 1971LEASE GANTZWELL
NO. 1TEST
NO. 2TICKET NO. 10621

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2279
INITIAL CLOSED IN PRESSURE	45 MINUTES	1124
INITIAL FLOW	30 MINUTES	45 to 141
FINAL FLOW	60 MINUTES	150 to 194
FINAL CLOSED IN PRESSURE	45 MINUTES	852
FINAL HYDRO MUD PRESSURE		2234

TOTAL DEPTH 4380PACKER DEPTH 4337BT. NO. 1134 DEPTH 4375

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	45		141		150		194
	PLUGGING		923		156		657
	112		979		168		712
	141		1023		172		746
			1046		183		768
			1068		190		790
			1091		194		819
			1102				830
			1113				841
			1124				852
10	MINUTE INTERVAL	5	MINUTE INTERVAL	10	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA



Tool Open: 1st Flow hr. 30 mins: Shut-in Initial hr. 45 min: 2nd Flow hr. 60 min: Shut-in Final hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2324</u>	<u>2279</u>
(B) Initial 1st Flow Pressure	<u>44</u>	<u>45</u>
(C) Final 1st Flow Pressure	<u>134</u>	<u>141</u>
(D) Initial Shut-in Pressure	<u>1113</u>	<u>1124</u>
(E) Initial 2nd Flow Pressure	<u>145</u>	<u>150</u>
(F) Final 2nd Flow Pressure	<u>201</u>	<u>194</u>
(G) Final Shut-in Pressure	<u>845</u>	<u>852</u>
(H) Final Hydrostatic Pressure	<u>2302</u>	<u>2234</u>

10621

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Box 547

GREAT BEND, KANSAS

Company MURFIN DRILLING COMPANY

Lease and Well No. GANTZ # 1

County NESS

State KANSAS

Date OCTOBER 25, 1971

Formation Test No. 3 Total Depth 4385 Elev. _____
Interval Tested 4370 To 4385 Anchor Length 15'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.3 Viscosity 44 Water Loss 14.8 c.c. Bottom Hole Temp. 117 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10622
Length of Drill Collar 186 I. D. 2.25 Length Flexweight 446 I. D. 2.76

RECOVERY

GOOD BLOW THROUGHOUT TEST.

120 FEET OF MUD CUT OIL.
360 FEET OF MUDDY GASSY OIL.

(SHUT-IN TOOL LEAKED ON FINAL SHUT-IN)

Lease and Well No. GANTZ # 1 13 19S 23W

Formation Test No. 3

DATE OCTOBER 25, 1971

LEASE GANTZ

WELL NO. 1

TEST NO. 3

TICKET NO. 10622

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2246
INITIAL CLOSED IN PRESSURE	45 MINUTES	779
INITIAL FLOW	30 MINUTES	33 to 123
FINAL FLOW	60 MINUTES	145 to 197
FINAL CLOSED IN PRESSURE	45 MINUTES	480?
FINAL HYDRO MUD PRESSURE		2200

TOTAL DEPTH 4385

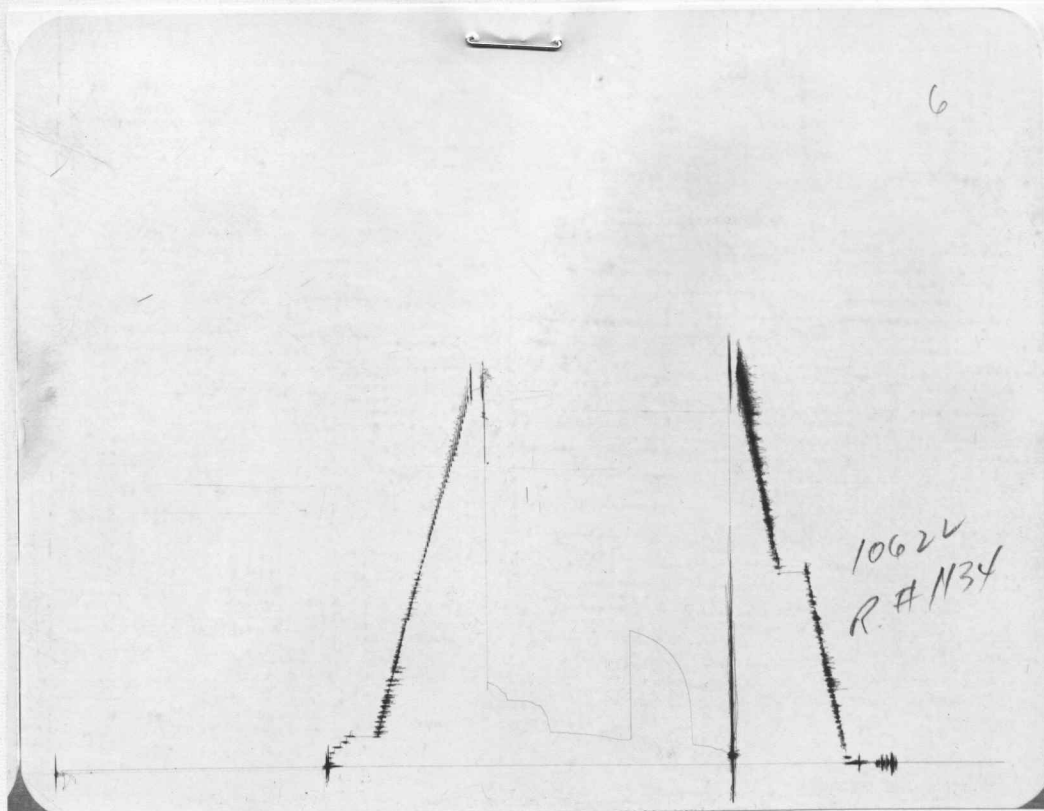
PACKER DEPTH 4370

BT. NO. 1134 DEPTH 4380

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	33		123		145		
	101		502		156		
	123		590		179	SHUT-	IN
			639		188	TOOL	
			679		197	LEAKED ON	
			706			FINAL	
			735			SHUT-	IN
			752				
			768				
			779				
15	MINUTE INTERVAL	5	MINUTE INTERVAL	15	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS.

SPECIAL PRESSURE DATA



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2460</u>	<u>2246</u>
(B) Initial 1st Flow Pressure	<u>67</u>	<u>33</u>
(C) Final 1st Flow Pressure	<u>111</u>	<u>123</u>
(D) Initial Shut-in Pressure	<u>779</u>	<u>779</u>
(E) Initial 2nd Flow Pressure	<u>123</u>	<u>145</u>
(F) Final 2nd Flow Pressure	<u>190</u>	<u>197</u>
(G) Final Shut-in Pressure	<u>479</u>	<u>480 ?</u>
(H) Final Hydrostatic Pressure	<u>2437</u>	<u>2200</u>

10622

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Box 547

GREAT BEND, KANSAS

Company MURFIN DRILLING COMPANY

Lease and Well No. GANTZ # 1

County NESS

State KANSAS

Date OCTOBER 26, 1971

Formation Test No. 4 *Miss e 4362* Total Depth 4395 Elev. _____
 Interval Tested 4386 To 4395 Anchor Length 9'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
 Mud Weight 9.1 Viscosity 44 Water Loss 11.2 c.c. Bottom Hole Temp. 118 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 10623
 Length of Drill Collar 186 I. D. 2.25 Length Flexweight 446 I. D. 2.76

RECOVERY

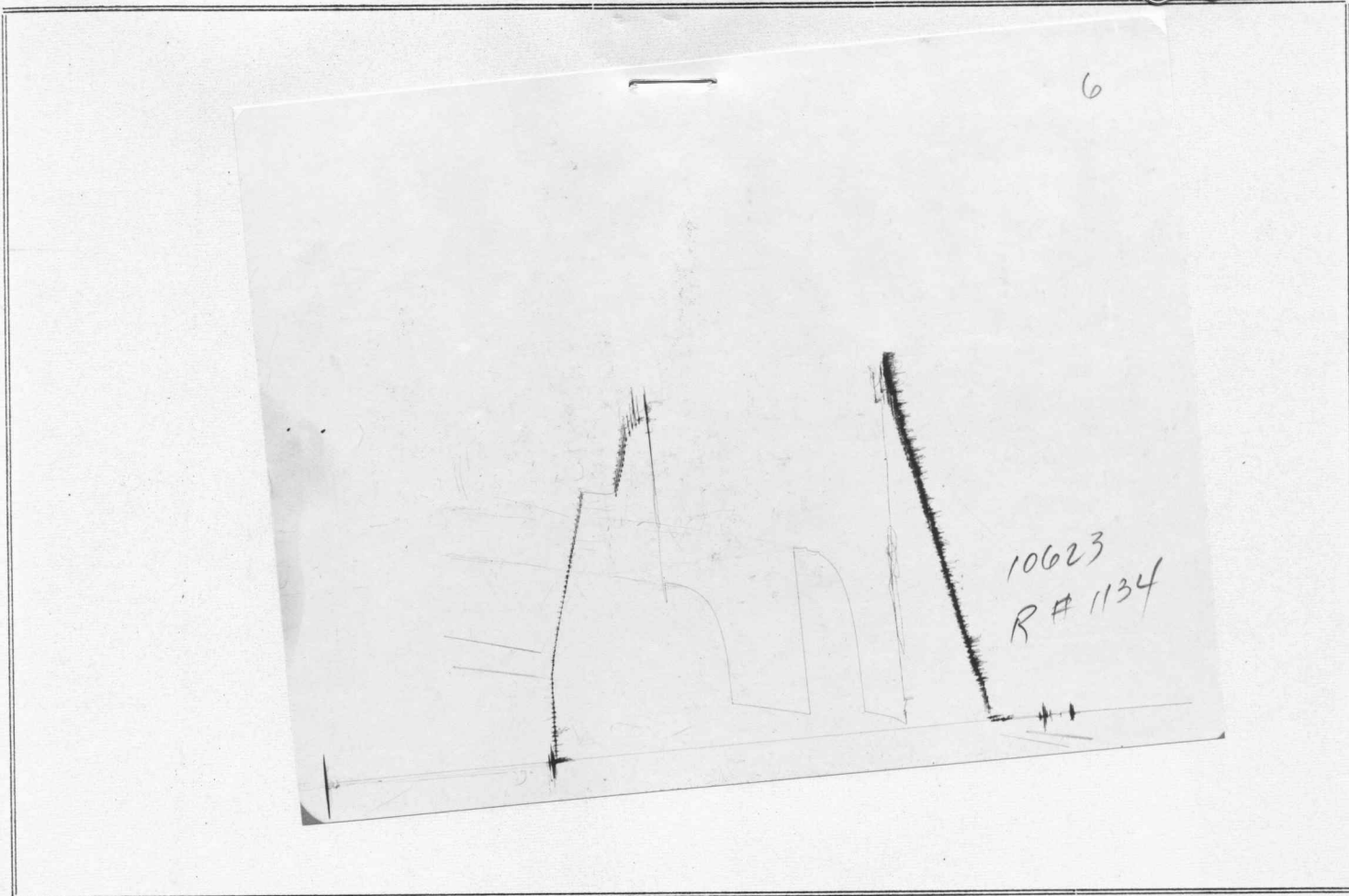
GOOD BLOW THROUGHOUT TEST.

485 FEET OF GASSY OIL.
 120 FEET OF Watery Gas Cut Mud.
 60 FEET OF OIL AND Gas Cut Muddy Water.
 240 FEET OF Gas IN DRILL PIPE.

1202 *1057.00*
961.6
9540

Lease and Well No. GANTZ # 1 13 19S 23W

Formation Test No. 4



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2302</u>	<u>2200</u>
(B) Initial 1st Flow Pressure	<u>22</u>	<u>22</u>
(C) Final 1st Flow Pressure	<u>134</u>	<u>134</u>
(D) Initial Shut-in Pressure	<u>1202</u>	<u>1202</u>
(E) Initial 2nd Flow Pressure	<u>134</u>	<u>145</u>
(F) Final 2nd Flow Pressure	<u>245</u>	<u>261</u>
(G) Final Shut-in Pressure	<u>1045</u>	<u>1057</u>
(H) Final Hydrostatic Pressure	<u>2279</u>	<u>2121</u>

10623