

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM, INC.

Lease and Well No. ROTHE "E" -#1

County NESS

State KANSAS

Date NOVEMBER 21, 1973

Formation Test No. 1 Total Depth 4315 Elev. 2296 D.F.
Interval Tested 4290 To 4315 Anchor Length 25'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
Mud Weight 9.6 Viscosity 40 Water Loss 10 c.c. Bottom Hole Temp. 114 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 12616
Length of Drill Collar _____ I. D. _____ Length Flexweight _____ I. D. _____

RECOVERY

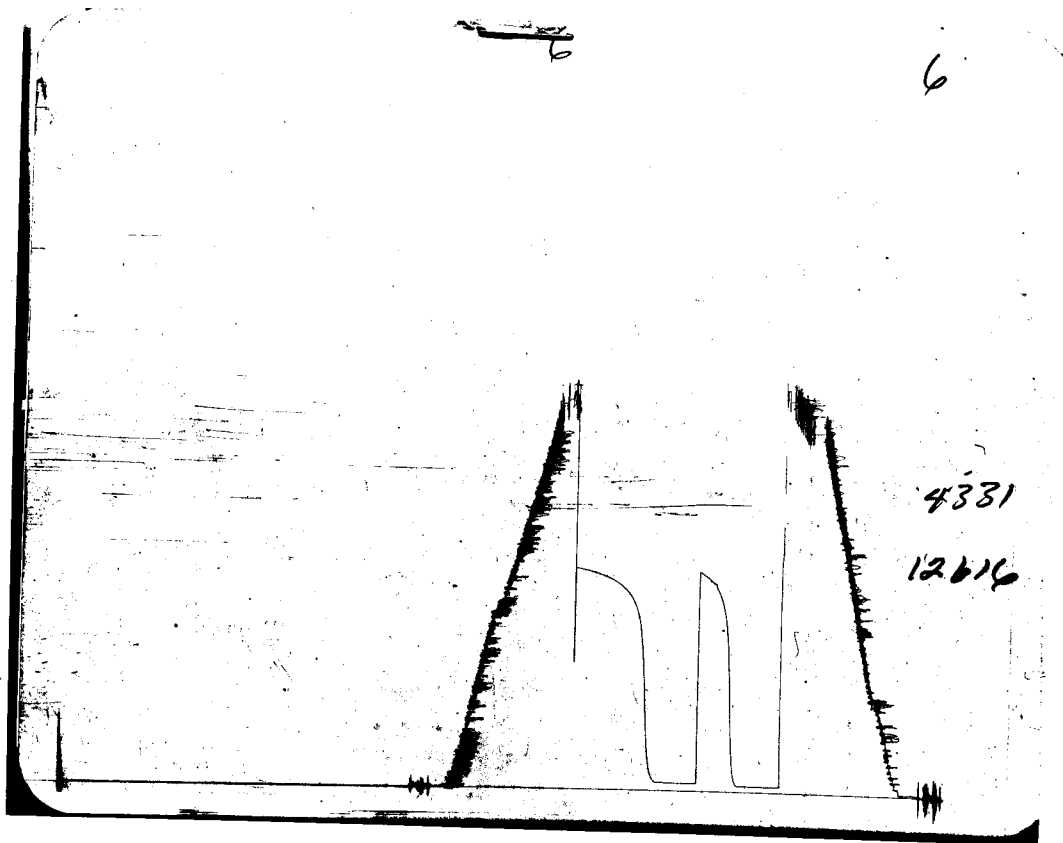
WEAK BLOW THROUGHOUT TEST.

45 FEET OF THIN MUD WITH VERY FEW OIL SPECKS IN TOOL

Lease and Well No. ROTHE "E" -#1

36 19S 24W C/SE/NW

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. 60 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2235</u>	<u>2183</u>
(B) Initial 1st Flow Pressure	<u>33</u>	<u>33</u>
(C) Final 1st Flow Pressure	<u>33</u>	<u>33</u>
(D) Initial Shut-in Pressure	<u>1232</u>	<u>1232</u>
(E) Initial 2nd Flow Pressure	<u>48</u>	<u>33</u>
(F) Final 2nd Flow Pressure	<u>48</u>	<u>46</u>
(G) Final Shut-in Pressure	<u>1253</u>	<u>1253</u>
(H) Final Hydrostatic Pressure	<u>2204</u>	<u>2151</u>

12616

MILLER TESTING COMPANY

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GREAT BEND, KANSAS

Company PETROLEUM, INC.

Lease and Well No. ROTHE "E" - # 1

County NESS State KANSAS

Date NOVEMBER 22, 1973

Formation Test No. 2 Total Depth 4400 Elev. 2296 D.F.
Interval Tested 4350 To 4400 Anchor Length 50'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H.X.H. Size Packer 6 3/4
Mud Weight 9.5 Viscosity 42 Water Loss 10.4 c.c. Bottom Hole Temp. 118 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 12617
Length of Drill Collar _____ I. D. _____ Length Flexweight _____ I. D. _____

RECOVERY

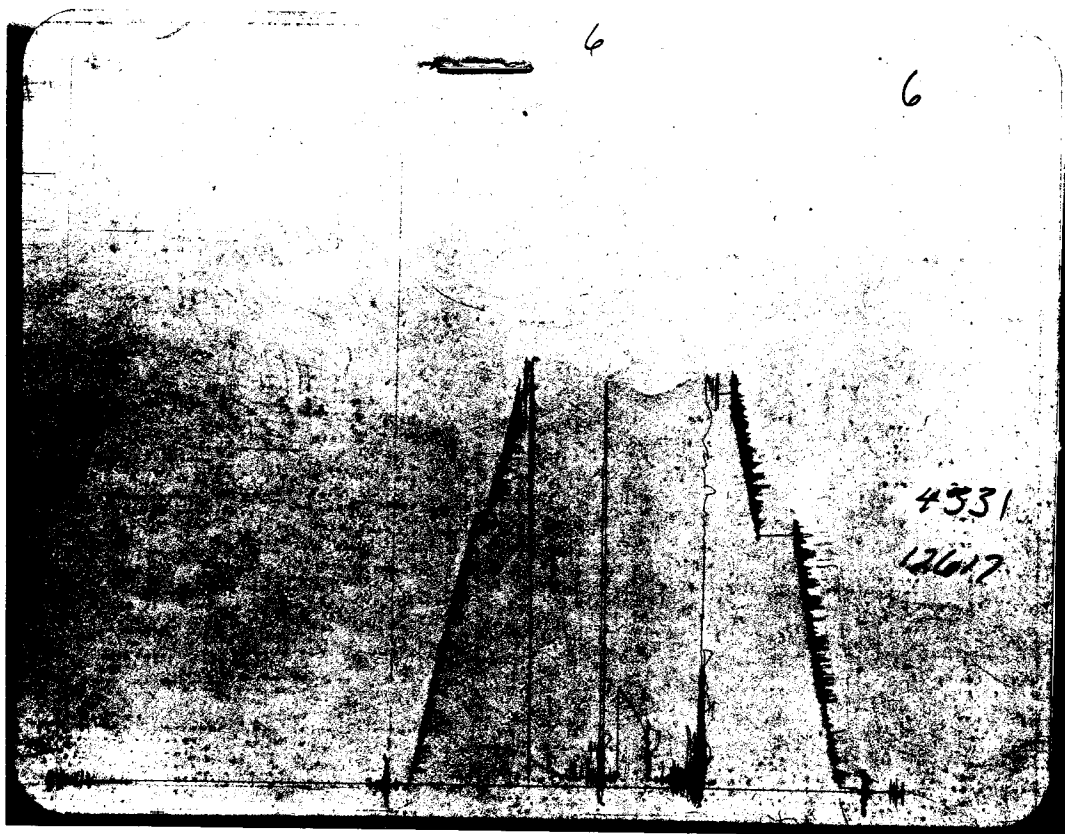
WEAK BLOW FOR 10 MINUTES. FLUSHED TOOL 10 MINUTES AFTER
SECOND OPENING.

20 FEET OF MUD.

CHARTS INDICATE PARTIAL PLUGGING DURING FLOW PERIODS.

Lease and Well No. ROTHE "E" - # 1 36 19S 24W C/SE/NW

Formation Test No. 2



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>2248</u>	<u>2204</u>
(B) Initial 1st Flow Pressure	<u>44</u>	<u>33</u>
(C) Final 1st Flow Pressure	<u>44</u>	<u>44</u>
(D) Initial Shut-in Pressure	<u>567</u>	<u>567</u>
(E) Initial 2nd Flow Pressure	<u>44</u>	<u>44</u>
(F) Final 2nd Flow Pressure	<u>48</u>	<u>44</u>
(G) Final Shut-in Pressure	<u>142</u>	<u>146</u>
(H) Final Hydrostatic Pressure	<u>2225</u>	<u>2193</u>

12617