

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM INC

Lease and Well No. JOHANNING D-1

County RICE

State KANSAS

Date JAN 25, 1970

Formation Test No. 1 Total Depth 3088 Elev. 1778 KB
Interval Tested 3052 To 3088 Anchor Length 36'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10.1 Viscosity 37 Water Loss 13 c.c. Bottom Hole Temp. 108 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10570
Length of Drill Collar I. D. Length Flexweight 1050 I. D. 2.76

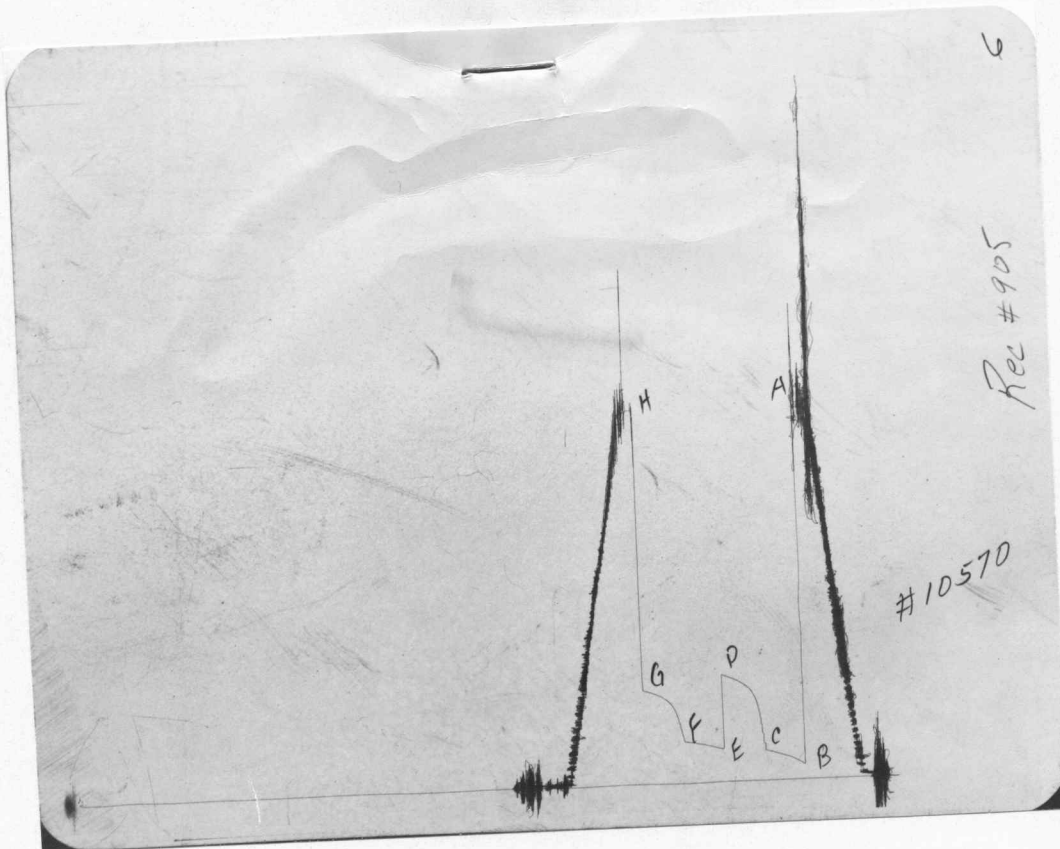
RECOVERY

FAIR DECREASING TO WEAK BY END OF TEST.

250 FEET OF MUDDY WATER WITH FEW SCATTERED LIVE OIL SPECKS.

Lease and Well No. JOHANNING D-1
7-198-10W
7-248-10W NW SE SW

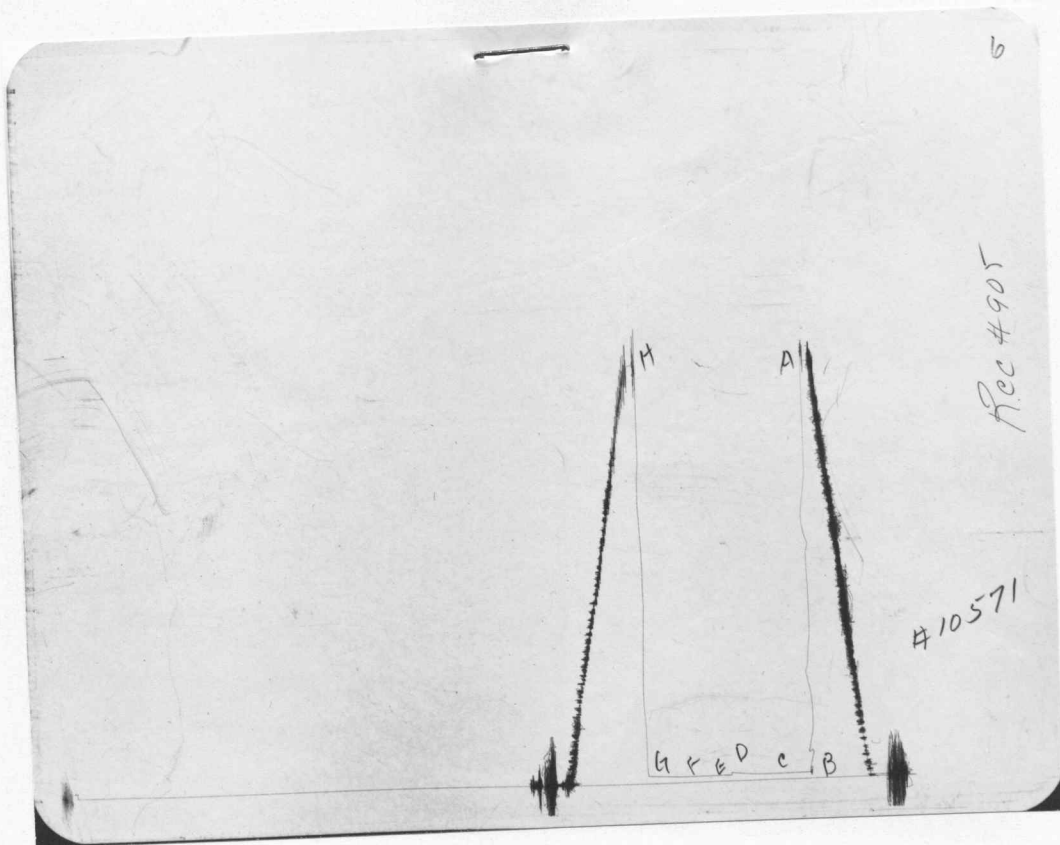
Formation Test No. 1



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>1683</u>	<u>1666</u>
(B) Initial 1st Flow Pressure	<u>63</u>	<u>65</u>
(C) Final 1st Flow Pressure	<u>136</u>	<u>133</u>
(D) Initial Shut-in Pressure	<u>467</u>	<u>471</u>
(E) Initial 2nd Flow Pressure	<u>136</u>	<u>145</u>
(F) Final 2nd Flow Pressure	<u>178</u>	<u>182</u>
(G) Final Shut-in Pressure	<u>408</u>	<u>413</u>
(H) Final Hydrostatic Pressure	<u>1649</u>	<u>1658</u>

10570



Tool Open: 1st Flow 30 hr. 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>1887</u>	<u>1870</u>
(B) Initial 1st Flow Pressure	<u>29</u>	<u>26</u>
(C) Final 1st Flow Pressure	<u>29</u>	<u>26</u>
(D) Initial Shut-in Pressure	<u>42</u>	<u>37</u>
(E) Initial 2nd Flow Pressure	<u>29</u>	<u>26</u>
(F) Final 2nd Flow Pressure	<u>29</u>	<u>26</u>
(G) Final Shut-in Pressure	<u>34</u>	<u>34</u>
(H) Final Hydrostatic Pressure	<u>1870</u>	<u>1862</u>

10571

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM INC.

Lease and Well No. JOHANNING D-1

County RICE

State KANSAS

Date JAN 27, 1970

Formation Test No. 2 Total Depth 3354 Elev. 1778 KB
Interval Tested 3342 To 3354 Anchor Length 12'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10 Viscosity 37 Water Loss 11.4 c.c. Bottom Hole Temp. 102 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10571
Length of Drill Collar _____ I. D. _____ Length Flexweight 1050 I. D. 2.76

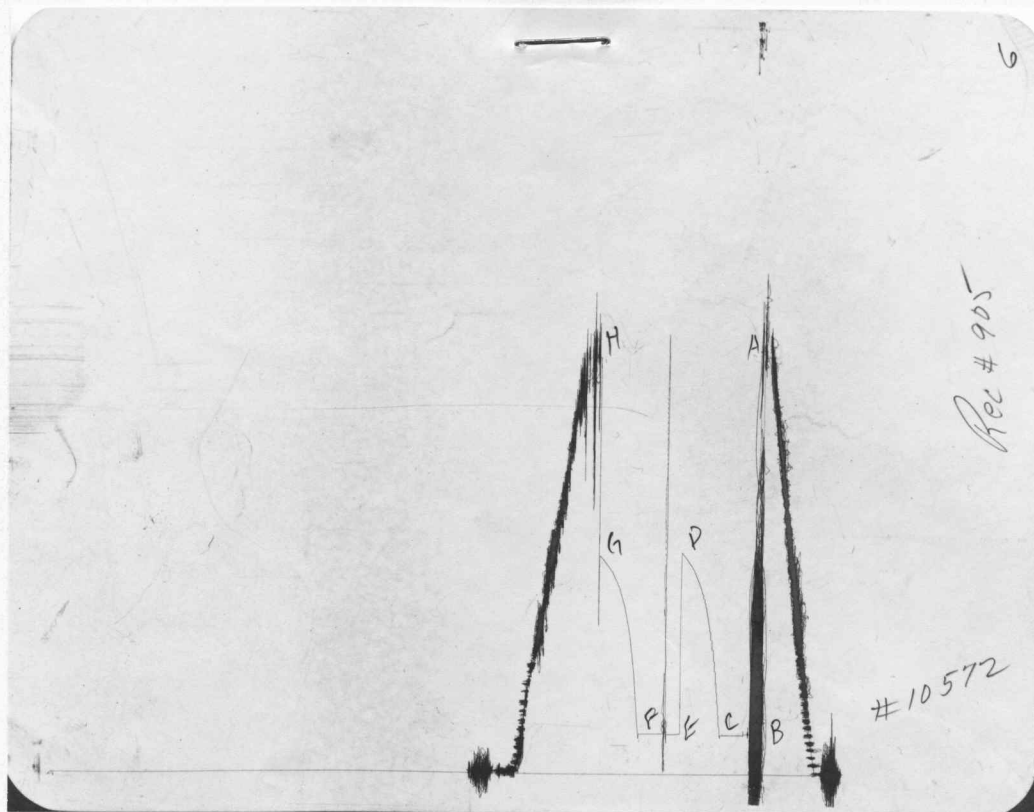
RECOVERY

VERY WEAK BLOW FOR 10 MINUTES.

2 FEET OF MUD.

Lease and Well No. JOHANNING D-1 7-195-16W
7-145-10W NW SE SW

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>1887</u>	<u>1870</u>
(B) Initial 1st Flow Pressure	<u>170</u>	<u>170</u>
(C) Final 1st Flow Pressure	<u>170</u>	<u>170</u>
(D) Initial Shut-in Pressure	<u>969</u>	<u>978</u>
(E) Initial 2nd Flow Pressure	<u>178</u>	<u>175</u>
(F) Final 2nd Flow Pressure	<u>178</u>	<u>175</u>
(G) Final Shut-in Pressure	<u>952</u>	<u>964</u>
(H) Final Hydrostatic Pressure	<u>1861</u>	<u>1845</u>

10572

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM INC.

Lease and Well No. JOHANNING D-1

County RICE

State KANSAS

Date JAN 27, 1970

Formation Test No. 3 Total Depth 3364 Elev. 1778 KB
Interval Tested 3352 To 3364 Anchor Length 12'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
Mud Weight 10.1 Viscosity 39 Water Loss 11 c.c. Bottom Hole Temp. °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 10572
Length of Drill Collar I. D. Length Flexweight 1050 I. D. 2.76

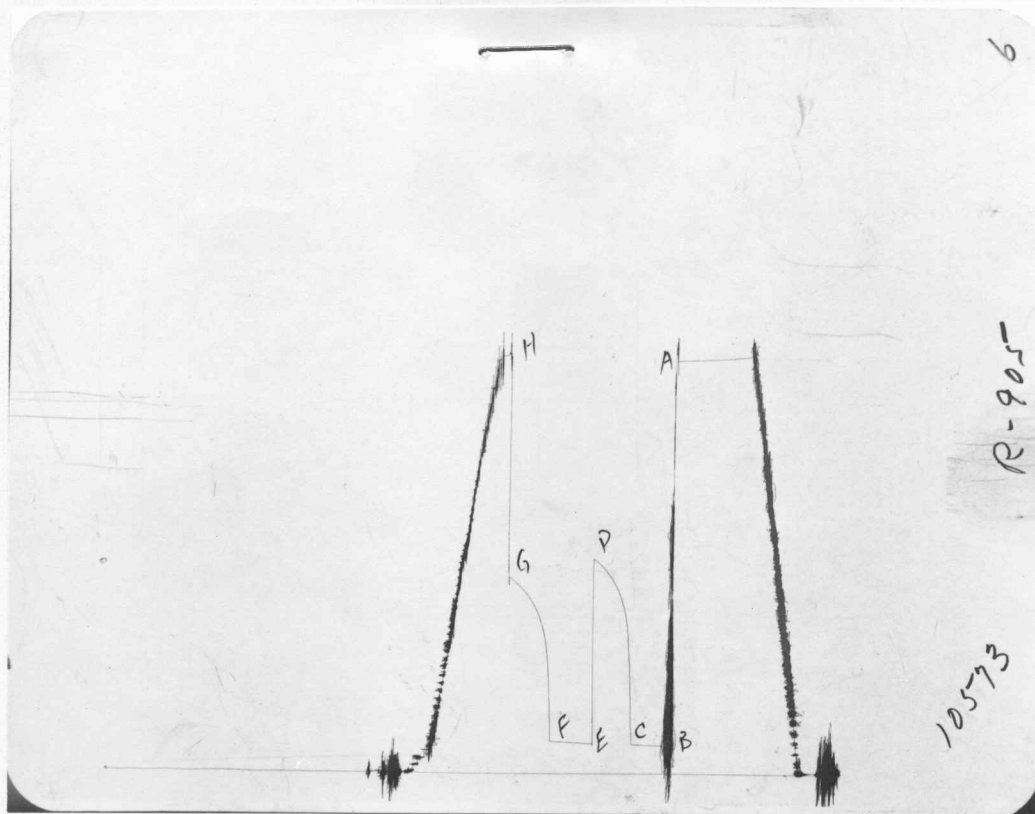
RECOVERY

WEAK INTERMITTENT BLOW FOR 30 MINUTES. SLID TOOL 4 FEET TO BOTTOM.
MUD WENT DOWN HOLE ABOUT 30 FEET.

250 FEET OF DRILLING MUD WITH FEW OIL SPECKS IN TOP OF TOOL.

Lease and Well No. JOHANNING D-1

Formation Test No. 3



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>1887</u>	<u>1845</u>
(B) Initial 1st Flow Pressure	<u>119</u>	<u>124</u>
(C) Final 1st Flow Pressure	<u>131</u>	<u>128</u>
(D) Initial Shut-in Pressure	<u>935</u>	<u>947</u>
(E) Initial 2nd Flow Pressure	<u>131</u>	<u>136</u>
(F) Final 2nd Flow Pressure	<u>146</u>	<u>146</u>
(G) Final Shut-in Pressure	<u>867</u>	<u>867</u>
(H) Final Hydrostatic Pressure	<u>1870</u>	<u>1845</u>

10573

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PETROLEUM INC.

Lease and Well No. JOHANNING D-1

County RICE

State KANSAS

Date JAN 28, 1970

Formation Test No. 4 Total Depth 3369 Elev. 1778 KB
 Interval Tested 3336 To 3369 Anchor Length 33'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4
 Mud Weight 10.1 Viscosity 41 Water Loss 11 c.c. Bottom Hole Temp. 104 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 10573
 Length of Drill Collar _____ I. D. _____ Length Flexweight 1050 I. D. 2.76

RECOVERY

WEAK BLOW DECREASING TO VERY WEAK INTERMITTENT IN 25 MINUTES. VERY WEAK FOR REMAINDER OF TEST. TOOL SLID 5 FEET TO BOTTOM.

210 FEET OF MUD WITH OIL SPECKS IN TOOL.

Lease and Well No. JOHANNING D-1 7-195-10 W NW SE SW

Formation Test No. 4

COMPANY PETROLEUM INC.

DATE JAN 28, 1970

LEASE JOHANNING

WELL NO. D-1

TEST NO. 4

TICKET NO. 10573

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		1845
INITIAL CLOSED IN PRESSURE	30 mins.	947
INITIAL FLOW	30 mins.	124 to 128
FINAL FLOW	30 mins.	136 to 146
FINAL CLOSED IN PRESSURE	30 mins.	867
FINAL HYDRO MUD PRESSURE		1845

TOTAL DEPTH 3369

PACKER DEPTH 3336

BT. NO. 905 DEPTH 3364

[illegible]

TOOL SLID TO BOTTOM.

REMARKS

SPECIAL PRESSURE DATA