

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PATTON OIL COMPANY
Lease and Well No. LEFFLER #1
County McPHERSON State KANSAS Date FEBRUARY 20, 1977

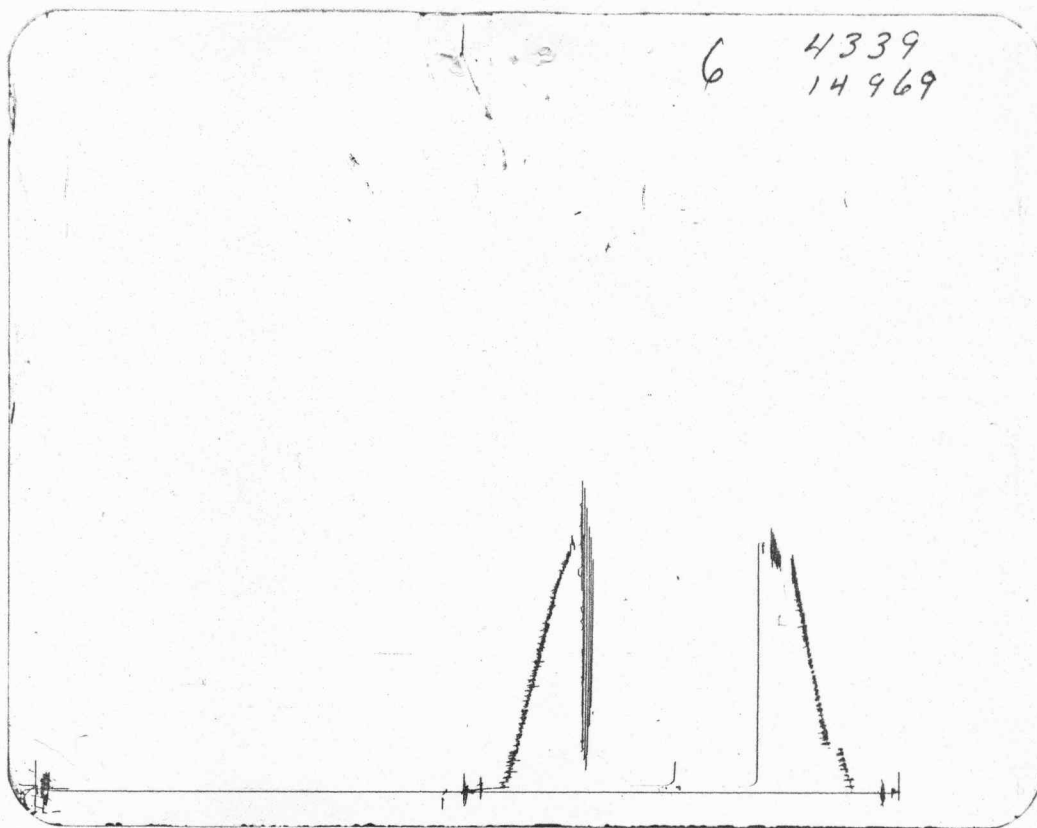
Formation Test No. 1 Total Depth 2910 Elev. _____
Interval Tested 2870 To 2910 Anchor Length 40'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.3 Viscosity 60 Water Loss 6 c.c. Bottom Hole Temp. 109 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 14969
Length of Drill Collar _____ I. D. _____ Length Flexweight 1008 I. D. 2.76

RECOVERY

WEAK BLOW ON FIRST OPENING. WEAK BLOW ON SECOND OPENING.

10 FEET OF DRILLING MUD.

Lease and Well No. LEFFLER #1 23-19S-1W C-S-NE 1
Formation Test No. 1



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1440</u>	<u>1507</u>
(B) Initial 1st Flow Pressure	<u>46</u>	<u>34</u>
(C) Final 1st Flow Pressure	<u>46</u>	<u>34</u>
(D) Initial Shut-in Pressure	<u>184</u>	<u>184</u>
(E) Initial 2nd Flow Pressure	<u>46</u>	<u>41</u>
(F) Final 2nd Flow Pressure	<u>46</u>	<u>41</u>
(G) Final Shut-in Pressure	<u>230</u>	<u>230</u>
(H) Final Hydrostatic Pressure	<u>1440</u>	<u>1440</u>

14969

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County McPHERSON State KANSAS Date FEBRUARY 20, 1977

Formation Test No. 2 Total Depth 2925 Elev. _____
Interval Tested 2904 To 2925 Anchor Length 21'
Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
Mud Weight 9.3 Viscosity 60 Water Loss 6 c.c. Bottom Hole Temp. 119 °F
Chokes: Top 1/2 Bottom 1/2 Ticket No. 14970
Length of Drill Collar _____ I. D. _____ Length Flexweight 1008 I. D. 2.76

RECOVERY

WEAK BLOW ON FIRST OPENING. FAIR BLOW ON SECOND OPENING.

80 FEET OF DRILLING MUD.

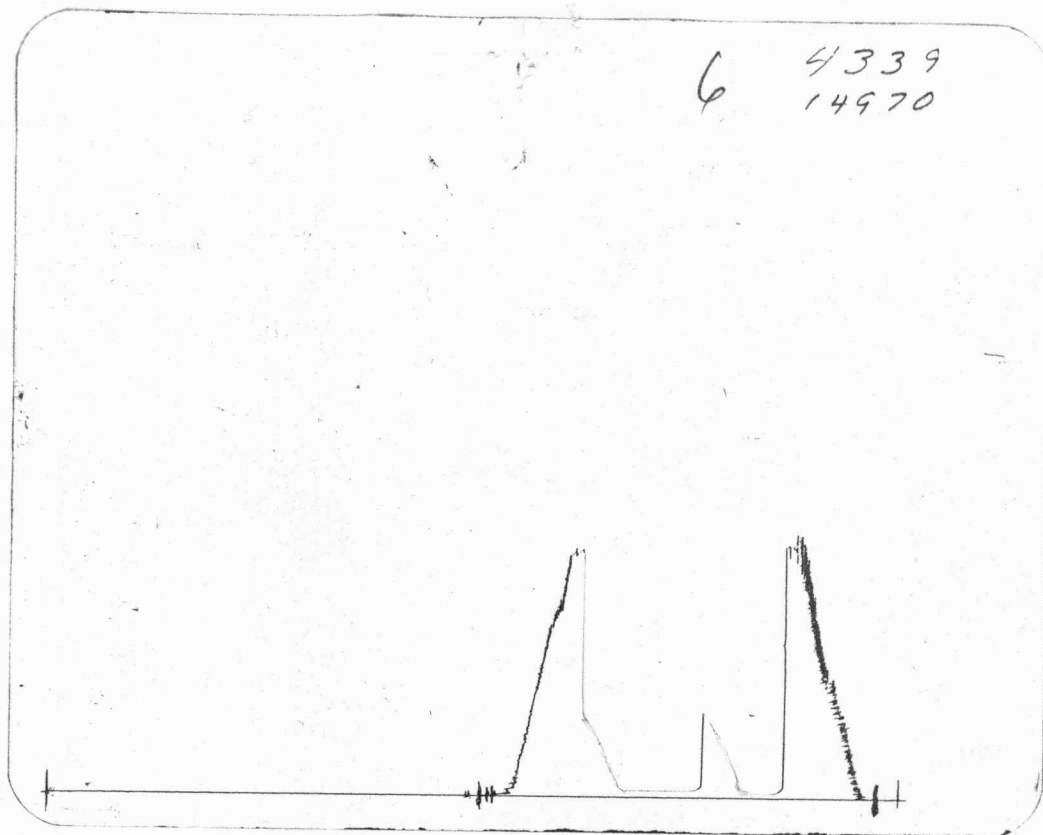
Lease and Well No. LEFFLER #1

23-19S-1W

C-SW-NE

Formation Test No. 2

6 4339
14970



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1373</u>	<u>1462</u>
(B) Initial 1st Flow Pressure	<u>23</u>	<u>28</u>
(C) Final 1st Flow Pressure	<u>23</u>	<u>28</u>
(D) Initial Shut-in Pressure	<u>414</u>	<u>504</u>
(E) Initial 2nd Flow Pressure	<u>23</u>	<u>41</u>
(F) Final 2nd Flow Pressure	<u>23</u>	<u>41</u>
(G) Final Shut-in Pressure	<u>368</u>	<u>475</u>
(H) Final Hydrostatic Pressure	<u>1373</u>	<u>1429</u>

14970

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company PATTON OIL COMPANY
 Lease and Well No. LEFFLER #1
 County McPHERSON State KANSAS Date FEBRUARY 21, 1977

Formation Test No. 3 Total Depth 2935 Elev. _____
 Interval Tested 2925 To 2935 Anchor Length 10'
 Size Hole 7 7/8 Size Drill Pipe 4 1/2 F.H. Size Packer 6 3/4
 Mud Weight 9.3 Viscosity 60 Water Loss 6 c.c. Bottom Hole Temp. 119 °F
 Chokes: Top 1/2 Bottom 1/2 Ticket No. 14971
 Length of Drill Collar _____ I. D. _____ Length Flexweight 1008 I. D. 2.76

RECOVERY

STRONG BLOW THROUGH OUT TEST. GAS TO THE SURFACE
 IN 23 MINUTES ON FIRST OPENING.

FIRST OPENING- GAUGE THRU 1/4" ORIFICE

33 MINUTES	19. INCHES	7.32 M.C.F.P.D.
43 MINUTES	18. INCHES	7.12 M.C.F.P.D.
53 MINUTES	14. INCHES	6.33 M.C.F.P.D.
63 MINUTES	17. INCHES	6.93 M.C.F.P.D.
73 MINUTES	16. INCHES	6.72 M.C.F.P.D.
83 MINUTES	15. INCHES	6.55 M.C.F.P.D.
90 MINUTES	15. INCHES	6.55 M.C.F.P.D.

SECOND OPENING-

10 MINUTES	4. INCHES	3.37 M.C.F.P.D.
20 MINUTES	6. INCHES	4.12 M.C.F.P.D.
30 MINUTES	9. INCHES	5.05 M.C.F.P.D.
40 MINUTES	9. INCHES	5.05 M.C.F.P.D.
50 MINUTES	8. INCHES	4.76 M.C.F.P.D.
60 MINUTES	8. INCHES	4.76 M.C.F.P.D.

1069 FEET OF CLEAN OIL.
 300 FEET OF WATER.

SPECIAL PRESSURE DATA

Lease and Well No. LEFFLER #1 23-19S-1W C-SW-NE Formation Test No. 3

COMPANY

PATTON OIL COMPANY

DATE _____

2-21-77

LEASE

LEFFLER

WELL
NO.

1

TEST
NO. _____

3

TICKET NO.

14971

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		
INITIAL CLOSED IN PRESSURE	30 MINUTES	1462
INITIAL FLOW	90 MINUTES	703
FINAL FLOW	60 MINUTES	69 to 419
FINAL CLOSED IN PRESSURE	30 MINUTES	484 to 511
FINAL HYDRO MUD PRESSURE		1429

TOTAL DEPTH

2935

PACKER DEPTH

2925

BT. NO.

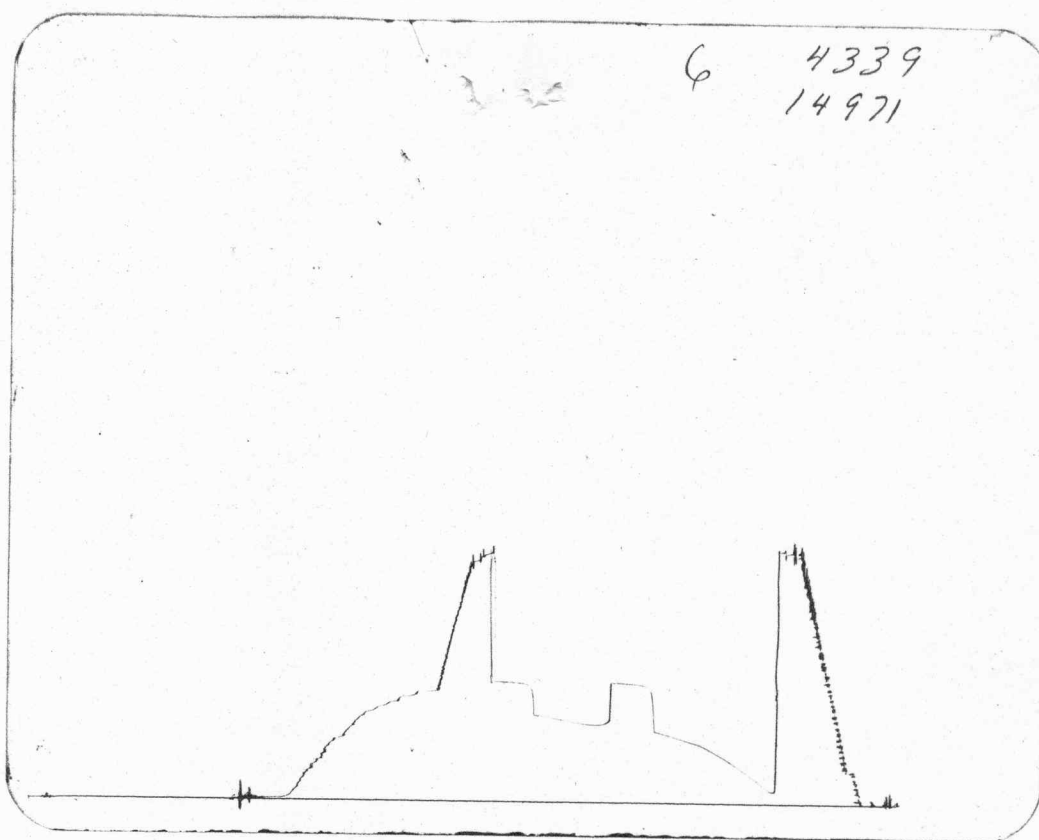
4339

DEPTH 2930

1ST FLOW PRESSURE			INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
		69		419		484		511
		138		685		461		687
		230		694		472		694
		299		696		495		696
		350		698		511		698
		392		701				701
		419		703				703
15	MINUTE INTERVAL		5	MINUTE INTERVAL	15	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS.

SPECIAL PRESSURE DATA



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

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1462</u>	<u>1462</u>
(B) Initial 1st Flow Pressure	<u>69</u>	<u>69</u>
(C) Final 1st Flow Pressure	<u>414</u>	<u>419</u>
(D) Initial Shut-in Pressure	<u>707</u>	<u>703</u>
(E) Initial 2nd Flow Pressure	<u>506</u>	<u>484</u>
(F) Final 2nd Flow Pressure	<u>506</u>	<u>511</u>
(G) Final Shut-in Pressure	<u>707</u>	<u>703</u>
(H) Final Hydrostatic Pressure	<u>1440</u>	<u>1429</u>

14971