

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Oil Properties Company Inc. STATE Kansas COUNTY Edwards
 LEASE & WELL NO. Greener # 1 ELEVATION 2252 GL. DATE 1/17/81 FORMATION TESTED Towanda
 SEC 9 TWP 23 RANGE 20 INTERVAL TESTED 2505 TO 2565 TOTAL DEPTH 2565
 TEST NO. # 1 O.K. yes TOP PACKER DEPTH 2500 FT. BOTTOM PACKER DEPTH 2505 FT. PACKER SIZE 6 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/2 od. TOOL JOINT SIZE 4 1/2 fh. ANCHOR LENGTH 60 FT.
 HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
 REVERSED OUT no VISCOSITY 31 WEIGHT 9.8 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Sterling #
 TOOL JOINT SIZE 4 1/2 XII. IN. LENGTH DRILL PIPE 1618 FT. I.D. DRILL PIPE 3.75 IN.
 TOOL JOINT SIZE 4 1/2 XII. IN. LENGTH WEIGHT PIPE 556 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE 4 1/2 XII. IN. LENGTH DRILL COLLARS 311 FT. I.D. DRILL COLLARS 2.25 IN.
 TOOL OPEN I.F.P. FROM 1:50 a. m to 2:20 a. m Hr. 30 min From (B) 103 P.S.I. to (C) 133 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 2:20 a. m to 3:20 a. m Hr. 60 min (D) 736 P.S.I.
 TOOL OPEN F.F.P. FROM 3:20 a. m to 4:20 a. m Hr. 60 min From (E) 147 P.S.I. to (F) 192 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 4:20 a. m to 5:50 a. m Hr. 90 min (G) 677 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 1317 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1340 MAXIMUM TEMPERATURE 100 °F
 BLOW Strong blow through out test.

RECOVERY - TOTAL FEET 610 ft.

RECOVERED 60 FEET OF Mud cut gas.

RECOVERED 550 FEET OF Gas cut muddy water.

RECOVERED FEET OF Gas gauged:

RECOVERED FEET OF 45 min-13,900 MCF/Day

RECOVERED FEET OF 55min-26,300

RECOVERED FEET OF 65 min-26,300

RECOVERED FEET OF 75 min-26,300

RECOVERED FEET OF 85 min-26,300

RECOVERED FEET OF

RECOVERED FEET OF

RECOVERED FEET OF

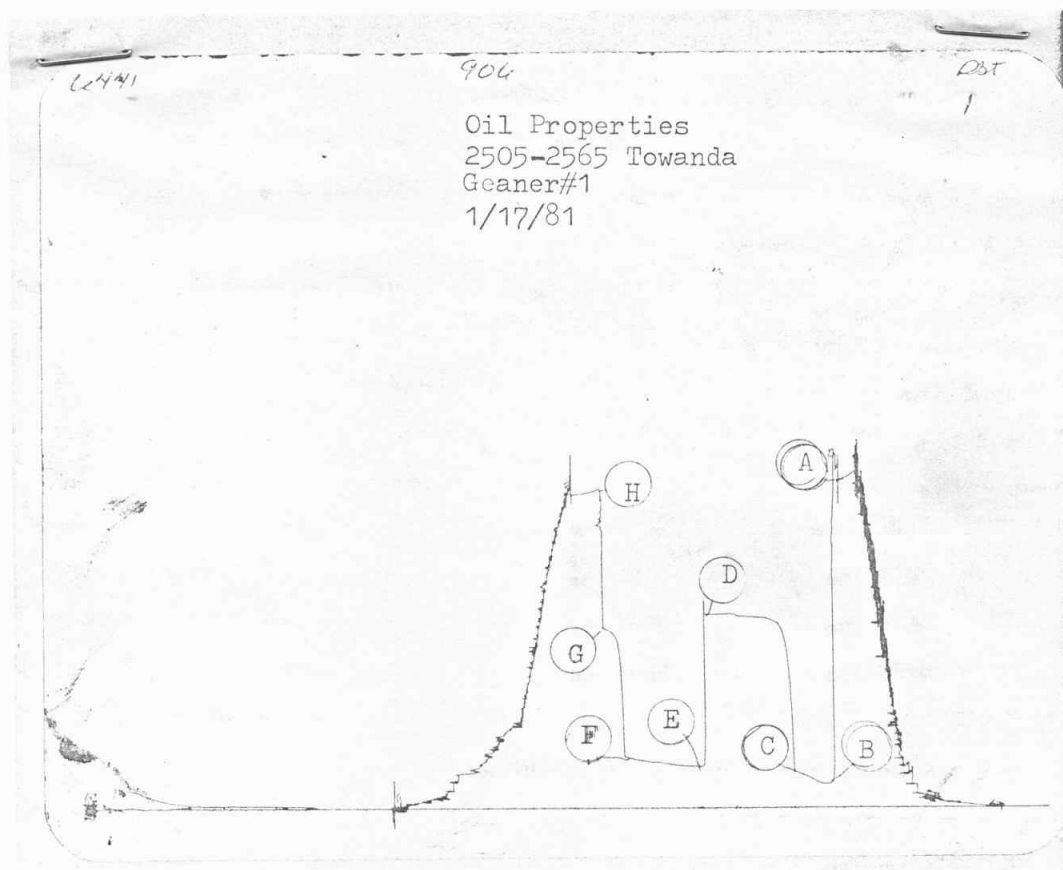
RECOVERED FEET OF

RECOVERED FEET OF

REMARKS None.

TICKET NO. 6441

WITNESSED BY: TOOL OPERATOR: James Rogers



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1317	1288	P.S.I.
(B) First Initial Flow Pressure	103	103	P.S.I.
(C) First Final Flow Pressure	133	1 33	P.S.I.
(D) Initial Closed-in Pressure	736	736	P.S.I.
(E) Second Initial Flow Pressure	147	155	P.S.I.
(F) Second Final Flow Pressure	192	192	P.S.I.
(G) Final Closed-in Pressure	677	685	P.S.I.
(H) Final Hydrostatic Mud	1310	1223	P.S.I.

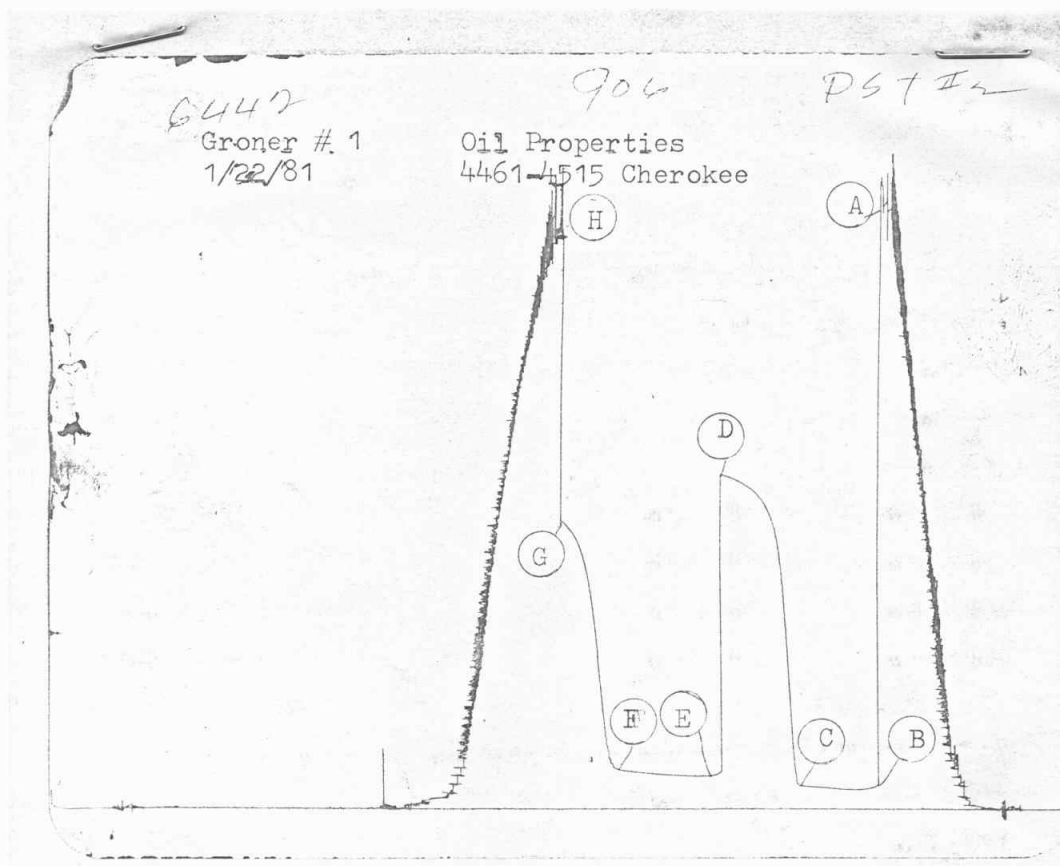
SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Oil Properties Company Inc. STATE Kansas COUNTY Edwards
 LEASE & WELL NO. Groner # 1 ELEVATION 2252 GL. DATE 1/22/81 FORMATION TESTED Cherokee
 SEC 9 TWP 23 RANGE 20 INTERVAL TESTED 4461 TO 4515 TOTAL DEPTH 4515
 TEST NO. # 2 D.K. yes TOP PACKER DEPTH 4456 FT. BOTTOM PACKER DEPTH 4461 FT. PACKER SIZE 6 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 54 FT.
 HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
 REVERSED OUT no VISCOSITY 56 WEIGHT 9.5 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Sterling Drilling
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3573 FT. I.D. DRILL PIPE 3.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 556 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 311 FT. I.D. DRILL COLLARS 2.25 IN.
 TOOL OPEN I.F.P. FROM 8:45 a. m to 9:45 a. m Hr. 60 min From (B) 73 P.S.I. to (C) 88 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 9:45 a. m to 10:45 a. m Hr. 60 min (D) 1273 P.S.I.
 TOOL OPEN F.F.P. FROM 10:45 a. m to 11:45 a. m Hr. 60 min From (E) 133 P.S.I. to (F) 147 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 11:45 a. m to 12:45 a. m Hr. 60 min (G) 1100 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 2331 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2324 MAXIMUM TEMPERATURE 127 °F
 BLOW Weak increasing to fair 1st opening.
Fair blow 2nd opening,
 RECOVERY - TOTAL FEET 280 ft.
 RECOVERED 100 FEET OF Mud, gas cut.
 RECOVERED 180 FEET OF Muddy water.
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 REMARKS None.

TICKET NO. 6442

WITNESSED BY: _____ TOOL OPERATOR James Rogers



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2331	2310	P.S.I.
(B) First Initial Flow Pressure	73	73	P.S.I.
(C) First Final Flow Pressure	88	88	P.S.I.
(D) Initial Closed-in Pressure	1273	1273	P.S.I.
(E) Second Initial Flow Pressure	133	133	P.S.I.
(F) Second Final Flow Pressure	147	147	P.S.I.
(G) Final Closed-in Pressure	1100	1107	P.S.I.
(H) Final Hydrostatic Mud	2324	2223	P.S.I.

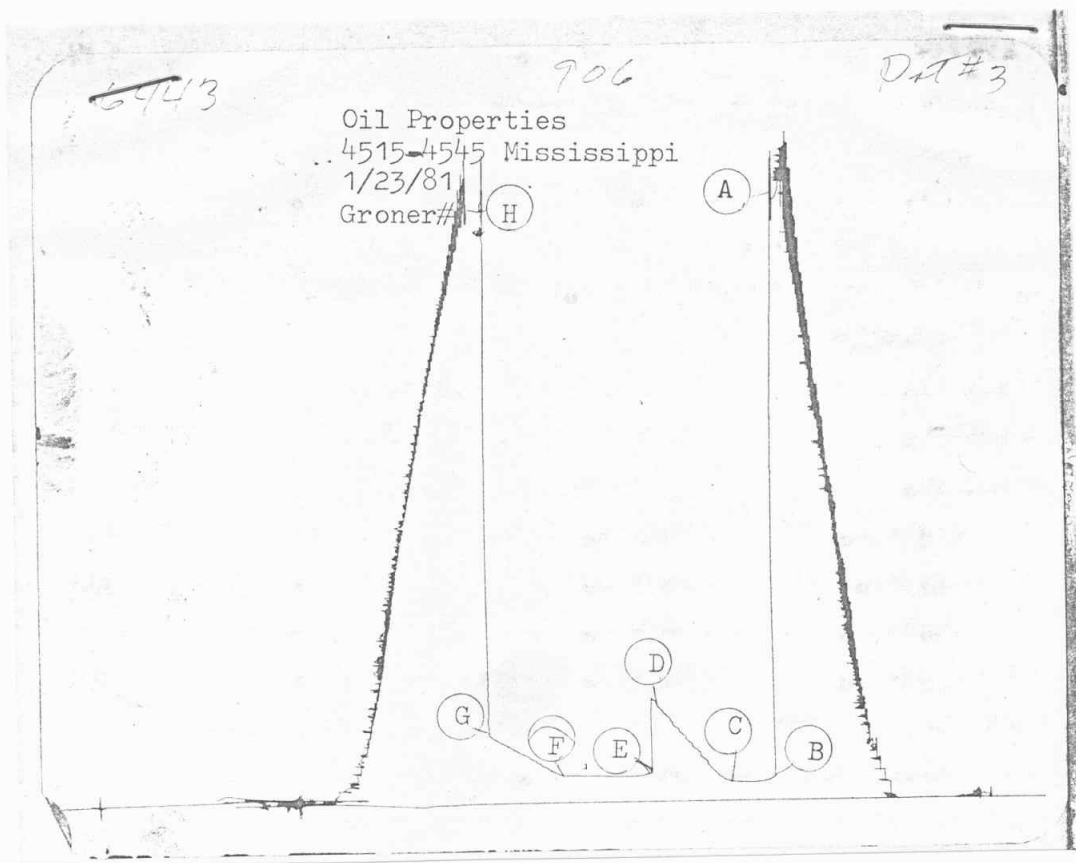
SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Oil Properties Company Inc. STATE Kansas COUNTY Edwards
 LEASE & WELL NO. Groner # 1 ELEVATION 2252 GL. DATE 1/23/81 FORMATION TESTED Mississippi
 SEC 9 TWP 23 RANGE 20 INTERVAL TESTED 4515 TO 4545 TOTAL DEPTH 4545
 TEST NO. # 3 O.K. yes TOP PACKER DEPTH 4510 FT. BOTTOM PACKER DEPTH 4510 FT. PACKER SIZE 6 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 30 FT.
 HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
 REVERSED OUT no VISCOSITY 51 WEIGHT 9.6 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Sterling Drilling
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3628 FT. I.D. DRILL PIPE 3.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 556 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 311 FT. I.D. DRILL COLLARS 2.25 IN.
 TOOL OPEN I.F.P. FROM 12:40 a. m to 1:10 a. m Hr. 30 min From (B) 38 P.S.I. to (C) 38 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 1:10 a. m to 2:10 a. Hr. 60 min (D) 386 P.S.I.
 TOOL OPEN F.F.P. FROM 2:00 a. m to 3:10 a. m Hr. 60 min From (E) 57 P.S.I. to (F) 67 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 3:10 a. m to 4:10 a. m Hr. 60 min (G) 231 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 2398 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2389 MAXIMUM TEMPERATURE 128 °F
 BLOW Good blow through-out test.

RECOVERY - TOTAL FEET 160 ft.
 RECOVERED 40 FEET OF Gas cut mud.
 RECOVERED 60 FEET OF Light Oil cut mud & gas cut. (2%-Oil 92% Mud.)
 RECOVERED 60 FEET OF Oil & Gas cut mud. (33% Oil, 67% Mud.)
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 REMARKS None.

TICKET NO. 6443
 WITNESSED BY: _____ TOOL OPERATOR: James Rogers



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2398	2353	P.S.I.
(B) First Initial Flow Pressure	38	73	P.S.I.
(C) First Final Flow Pressure	38	73	P.S.I.
(D) Initial Closed-in Pressure	386	392	P.S.I.
(E) Second Initial Flow Pressure	57	96	P.S.I.
(F) Second Final Flow Pressure	67	110	P.S.I.
(G) Final Closed-in Pressure	231	251	P.S.I.
(H) Final Hydrostatic Mud	2389	2259	P.S.I.

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

COMPANY Oil Properties Company Inc. STATE Kansas COUNTY Edwards

LEASE & WELL NO. Groner # 1 ELEVATION 2252 GL. DATE 1/23/81 FORMATION TESTED Mississippi

SEC 9 TWP 23 RANGE 20 INTERVAL TESTED 4543 TO 4562 TOTAL DEPTH 4562

TEST NO. #4 O.K. yes TOP PACKER DEPTH 4538 FT. BOTTOM PACKER DEPTH 4543 FT. PACKER SIZE 6 3/4

STRADDLE no CONV yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 19 FT.

HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.

REVERSED OUT no VICOSITY 54 WEIGHT 9.5 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no

DRILLING CONTRACTOR Sterling Drilling

TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3655 FT. I.D. DRILL PIPE 3.75 IN.

TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 556 FT. I.D. WEIGHT PIPE 2.75 IN.

TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 311 FT. I.D. DRILL COLLARS 2.25 IN.

TOOL OPEN I.F.P. FROM 4:05 p. m to 5:05 p. m Hr. 60 min From (B) 38 P.S.I. to (C) 38 P.S.I.

TOOL CLOSED I.C.I.P. FROM 5:05 p. m to 6:05 p. m Hr. 60 min (D) 444 P.S.I.

TOOL OPEN F.F.P. FROM 6:05 p. m to 7:05 p. m Hr. 60 min From (E) 77 P.S.I. to (F) 77 P.S.I.

TOOL CLOSED F.C.I.P. FROM 7:05 p. m to 8:05 p. m Hr. 60 min (G) 212 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 2880 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2872 MAXIMUM TEMPERATURE 129 °F

BLOW Weak increasing to fairly good blow 1st opening.

Good blow 2nd opening.

RECOVERY - TOTAL FEET 120 ft.

RECOVERED 60 FEET OF Oil & Gas cut mud.(5%-oil, 95% mud.)

RECOVERED 60 FEET OF Oil cut watery mud, Gas cut.(2% water, 5%Oil, 93=Mud.)

RECOVERED _____ FEET OF _____

RECOVERED 420 FEET OF Gas in the pipe.

RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

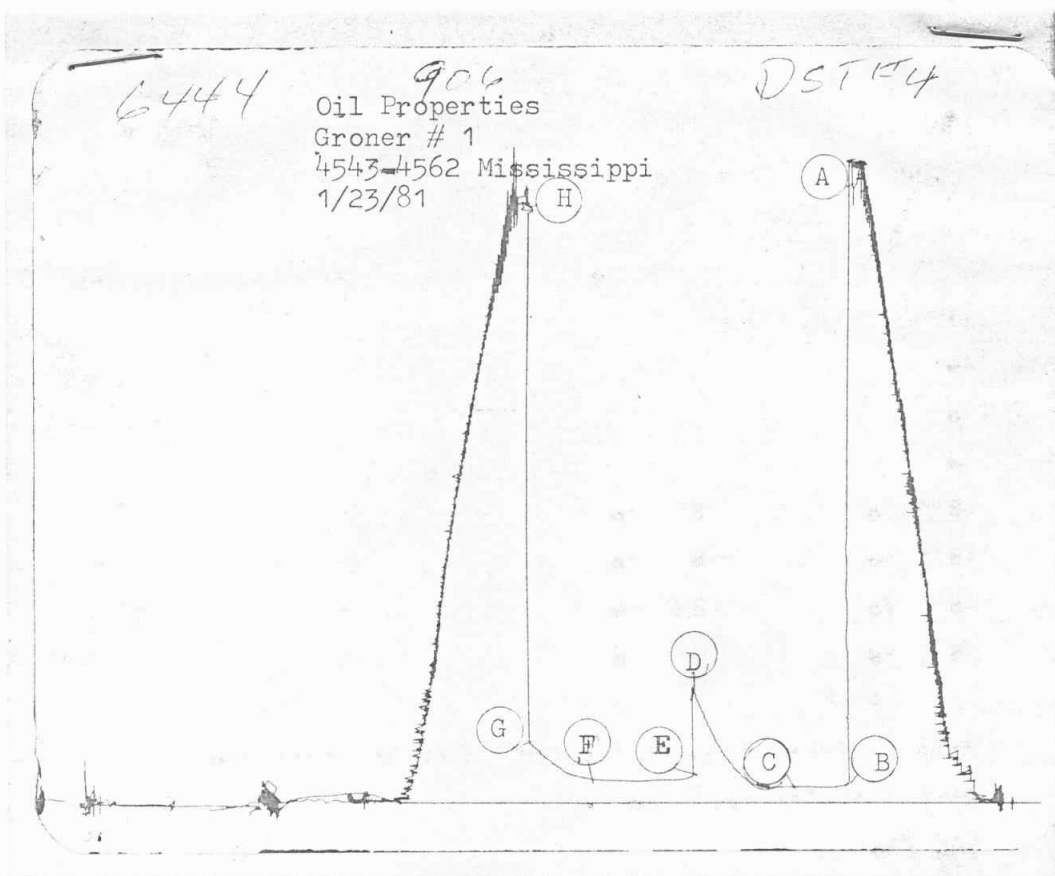
RECOVERED _____ FEET OF _____

RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO. 6444

WITNESSED BY: _____ TOOL OPERATOR James Rogers



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2880	2382	P.S.I.
(B) First Initial Flow Pressure	38	73	P.S.I.
(C) First Final Flow Pressure	38	73	P.S.I.
(D) Initial Closed-in Pressure	444	444	P.S.I.
(E) Second Initial Flow Pressure	77	103	P.S.I.
(F) Second Final Flow Pressure	77	103	P.S.I.
(G) Final Closed-in Pressure	212	229	P.S.I.
(H) Final Hydrostatic Mud	2872	2310	P.S.I.

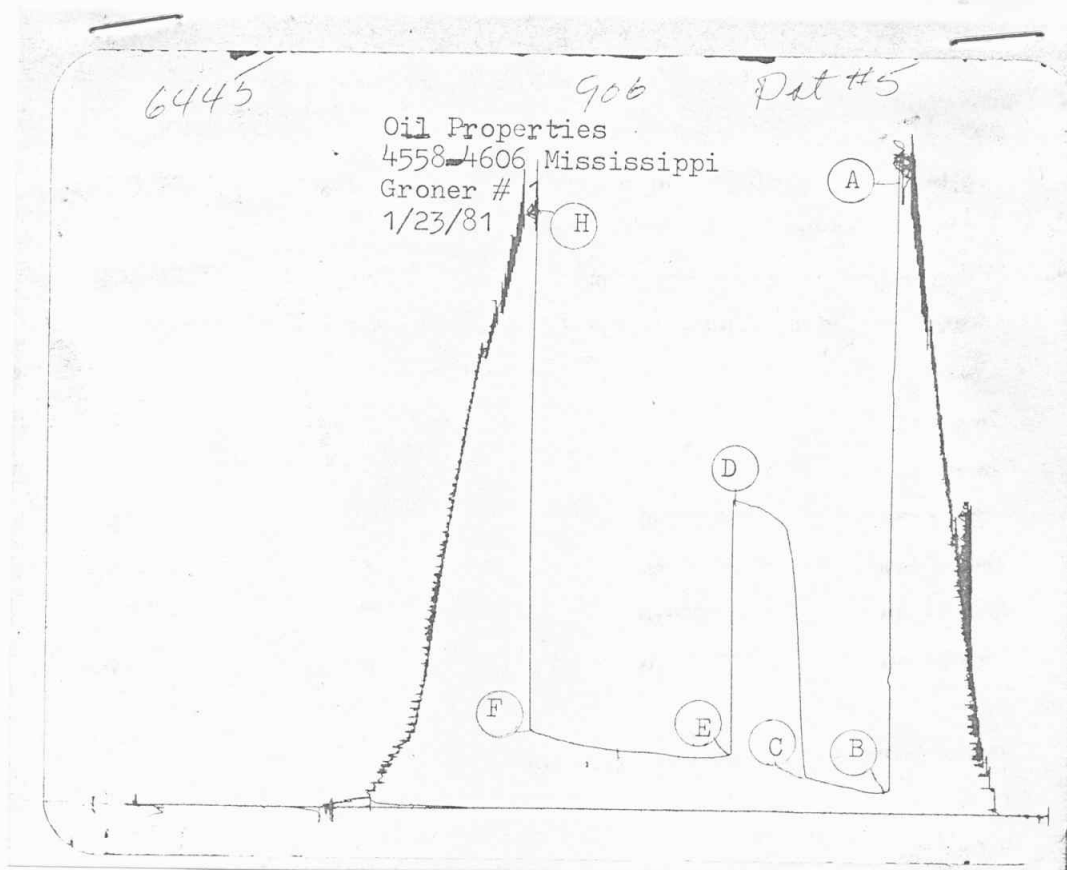
SUPERIOR TESTERS

368 West Second Hoisington, Kansas

COMPANY Oil Properties Company Inc. STATE Kansas COUNTY Edwards
 LEASE & WELL NO. Groner # 1 ELEVATION 2252 GL. DATE 1/24/81 FORMATION TESTED Mississippi
 SEC 9 TWP 23 RANGE 20 INTERVAL TESTED 4558 TO 4606 TOTAL DEPTH 4606
 TEST NO. # 5 O.K. yes TOP PACKER DEPTH 4553 FT. BOTTOM PACKER DEPTH 4558 FT. PACKER SIZE 6 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 FH. ANCHOR LENGTH 48 FT.
 HOLE SIZE 7 8 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1/2 IN. BOTTOM CHOKE SIZE 1/2 IN.
 REVERSED OUT no VISCOSITY 66 WEIGHT 9.6 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Sterling #Drilling
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3670 FT. I.D. DRILL PIPE 3.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 556 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL COLLARS 311 FT. I.D. DRILL COLLARS 2.25 IN.
 TOOL OPEN I.F.P. FROM 9:45 a. m to 10:45 a. m Hr 60 min From (B) 57 P.S.I. to (C) 135 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 10:45 a. m to 11:45 a. m Hr 60 min (D) 1155 P.S.I.
 TOOL OPEN F.F.P. FROM 11:45 a. m to 1:15 p. m Hr 90 min From (E) 173 P.S.I. to (F) 289 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 1:15 p. m to 2:15 p. m Hr 60 min (G) 173 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 2398 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 2395 MAXIMUM TEMPERATURE 150 °F
 BLOW Weak increasing to good blow.

RECOVERY - TOTAL FEET 460 ft.
 RECOVERED 40 FEET OF Slightly Oil cut gas cut mud.
 RECOVERED 180 FEET OF Oil cut & gas cut mud. (15%-oil, 1%water, 84%-mud.)
 RECOVERED 60 FEET OF Oil cut & gas cut watery mud.
 RECOVERED 180 FEET OF Oil cut & gas cut muddy water. (2%oil, 15% mud, 83%water)
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 REMARKS _____

TICKET NO. 6445
 WITNESSED BY: _____ TOOL OPERATOR: James Rogers



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	2398	2411	P.S.I.
(B) First Initial Flow Pressure	57	73	P.S.I.
(C) First Final Flow Pressure	135	135	P.S.I.
(D) Initial Closed-in Pressure	1155	1155	P.S.I.
(E) Second Initial Flow Pressure	173	207	P.S.I.
(F) Second Final Flow Pressure	289	295	P.S.I.
(G) Final Closed-in Pressure	---	---	P.S.I.
(H) Final Hydrostatic Mud	2395	2281	P.S.I.