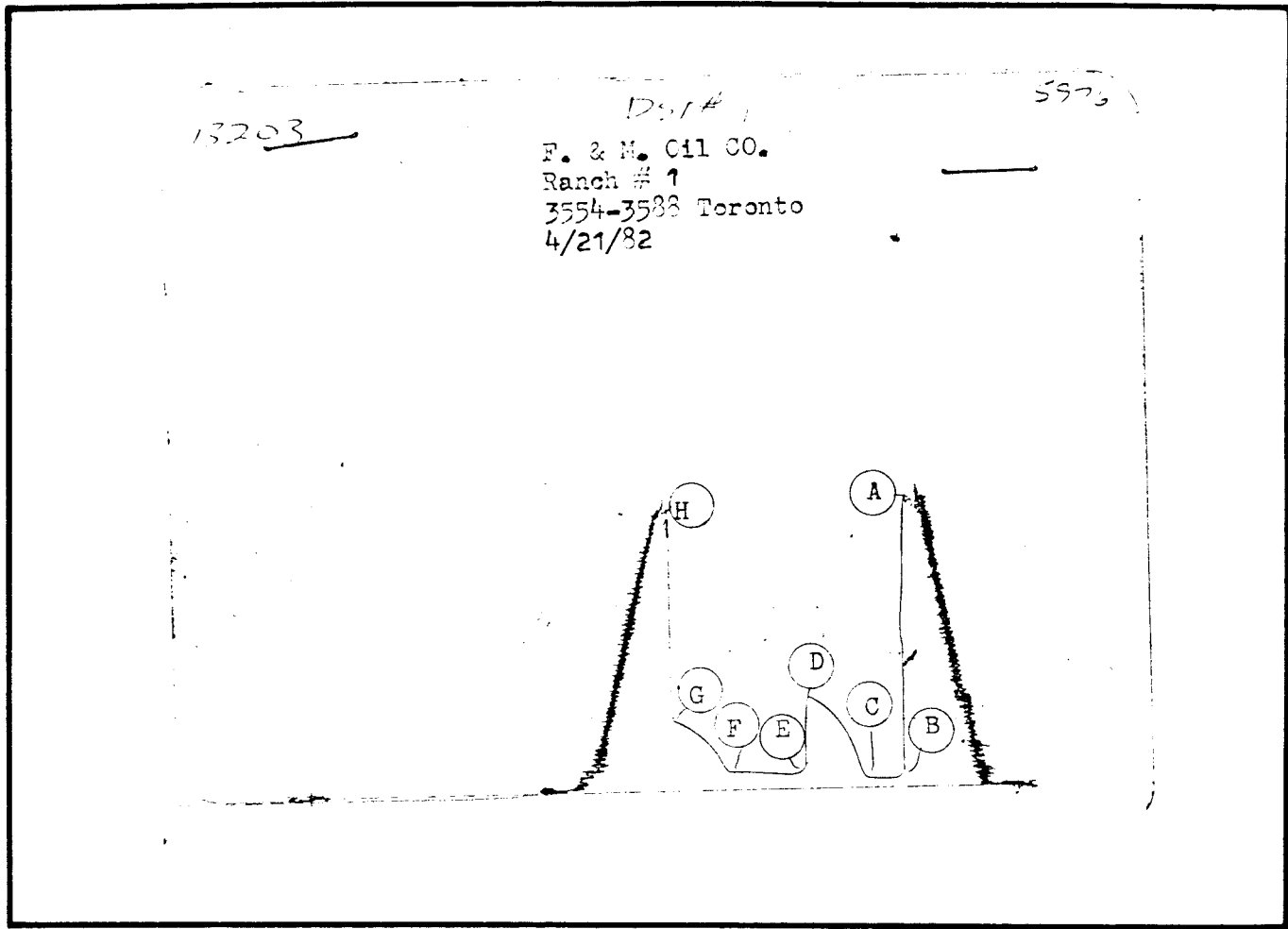


Computer Inventoried

COMPANY F. & M. Oil Co. LEASE - WELL NO. Ranch #4 C1 SEC 21 TWP 11 AGE 22 TEST NO. 1 DATE 4/21/82



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1729	1741	P.S.I.
(B) First Initial Flow Pressure	55	50	P.S.I.
(C) First Final Flow Pressure	55	55	P.S.I.
(D) Initial Closed-in Pressure	573	557	P.S.I.
(E) Second Initial Flow Pressure	33	33	P.S.I.
(F) Second Final Flow Pressure	110	110	P.S.I.
(G) Final Closed-in Pressure	420	431	P.S.I.
(H) Final Hydrostatic Mud	1707	1689	P.S.I.

SUPERIOR TESTERS
358 West Second, Hoisington, Kansas

COMPANY F. & M. Oil Co. STATE Kansas COUNTY Osage
 LEASE & WELL NO Ranch # 1 ELEVATION 3380 DATE 4/21/82 FORMATION TESTED Tonaco
 SEC 21 WP 11 RANGE 22 INTERVAL TESTED 3554 TO 3502 TOTAL DEPTH 3502
 TEST NO # 1 OK yes TOP PACKER DEPTH 3549 FT BOTTOM PACKER DEPTH 3554 FT PACKER SIZE 6 5/8
 STRADDLE no CONV yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 IN. ANCHOR LENGTH 7 1/2 FT
 HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 4 IN BOTTOM CHOKE SIZE 4 IN
 REVERSED OUT no VISCOSITY 45 WEIGHT 9.2 DUAL PACKERS yes DIO PACKER HOLD yes DIO TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2 IN. IN. LENGTH DRILL PIPE 2000 FT I.D. DRILL PIPE 3.80 IN
 TOOL JOINT SIZE 4 1/2 IN. IN. LENGTH WEIGHT PIPE 544 FT I.D. WEIGHT PIPE 2.75 IN
 TOOL JOINT SIZE ----- IN. LENGTH DRILL COLLARS ----- FT I.D. DRILL COLLARS ----- IN
 TOOL OPEN I.F.P. FROM 9:50 a.m. to 10:20 a.m. Hr 30 min From (B) 44 P.S.I. to (C) 55 P.S.
 TOOL CLOSED I.C.I.P. FROM 10:20 a.m. to 11:05 a.m. Hr 45 min (D) 575 P.S.
 TOOL OPEN F.F.P. FROM 11:05 a.m. to 12:05 a.m. Hr 60 min From (E) 88 P.S.I. to (F) 110 P.S.
 TOOL CLOSED F.C.I.P. FROM 12:05 p.m. to 12:50 p.m. Hr 45 min (G) 420 P.S.

INITIAL HYDROSTATIC PRESSURE (A) 1729 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1707 MAXIMUM TEMPERATURE 112 °F
 BLOW Strong blow 1st opening off the bottom of the bucket in 25 minutes.
Strong blow 2nd opening 15 minutes to bottom of bucket.

RECOVERY - TOTAL FEET 245
 RECOVERED 165 FEET OF Clean gassy Oil.
 RECOVERED 80 FEET OF Muddy Oil.
 RECOVERED _____ FEET OF _____
 RECOVERED 515 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 _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____

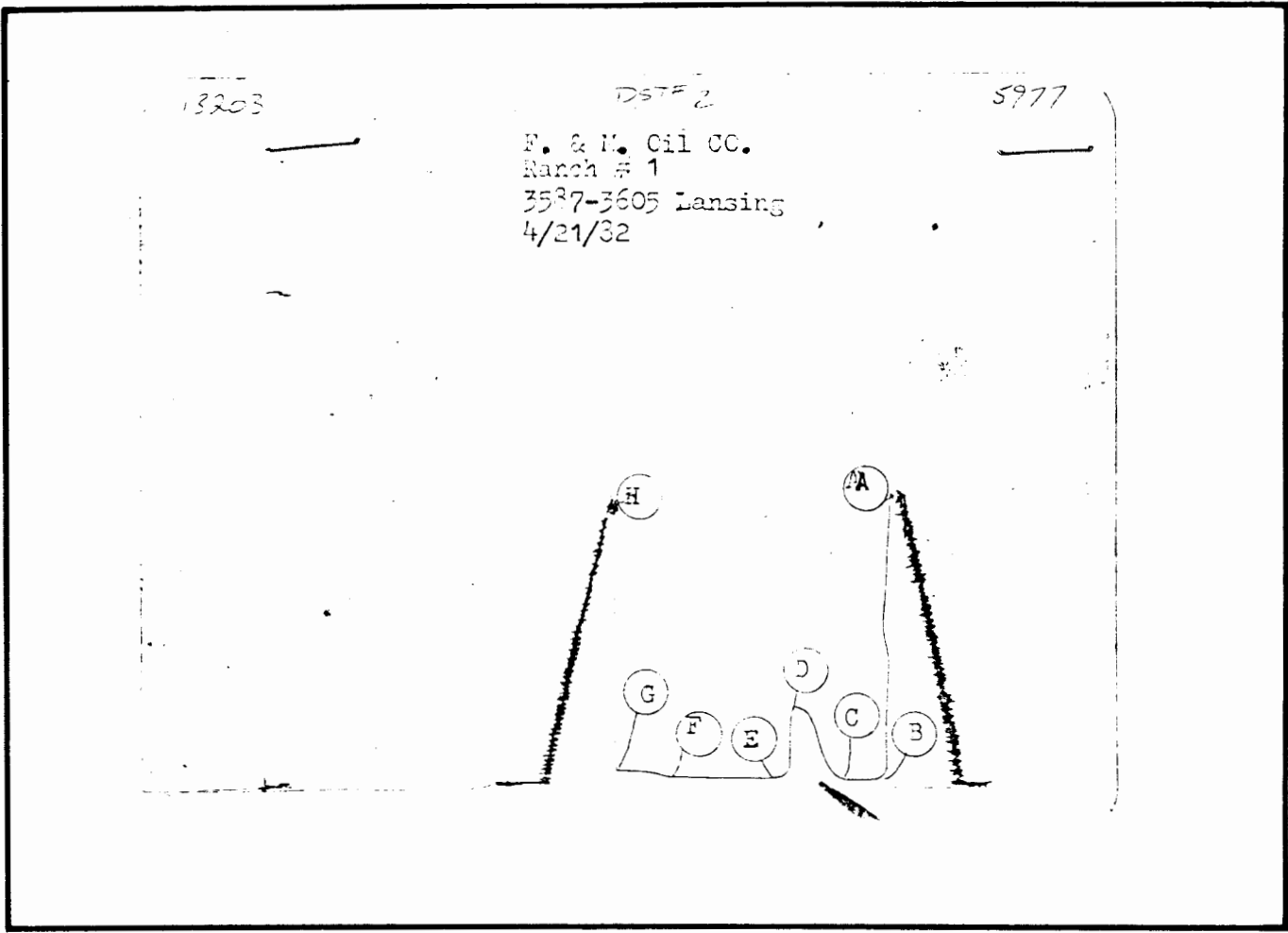
REMARKS None.

TICKET NO. 5976
 Bob Johnson
 Greg Cheney
 Bob Johnson

WITNESSED BY _____ TOOL OPERATOR _____

Computer Inventoried

COMPANY F. & M. Oil Co. LEASE - WELL NO. Ranch # 1 SEC. 24 TWP. 14 RGE. 23 TEST NO. 2 DATE 4/21/32



This is an actual photograph of recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1795</u>	<u>1774</u>	P.S.I.
(B) First Initial Flow Pressure	<u>44</u>	<u>46</u>	P.S.I.
(C) First Final Flow Pressure	<u>44</u>	<u>46</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>486</u>	<u>491</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>55</u>	<u>55</u>	P.S.I.
(F) Second Final Flow Pressure	<u>66</u>	<u>66</u>	P.S.I.
(G) Final Closed-in Pressure	<u>99</u>	<u>103</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1774</u>	<u>1714</u>	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY E. & H. oil Company STATE Kansas COUNTY Trego
 LEASE & WELL NO. Ranch # 1 ELEVATION 2553 HD. DATE 4/21/82 FORMATION TESTED Lansing
 SEC. 21 TWP. 11 RANGE 22 INTERVAL TESTED 3527 TO 3605 TOTAL DEPTH 3605
 TEST NO. # 20 K. YES TOP PACKER DEPTH 3522 FT. BOTTOM PACKER DEPTH 3527 FT. PACKER SIZE 6 & 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/4 OD. TOOL JOINT SIZE 4 1/2 TH. ANCHOR LENGTH 18 FT.
 HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 1/2 IN.
 REVERSED OUT no VISCOSITY 47 WEIGHT 9.3 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2 TH. IN. LENGTH DRILL PIPE 3022 FT. I. D. DRILL PIPE 3.20 IN.
 TOOL JOINT SIZE 4 1/2 TH. IN. LENGTH WEIGHT PIPE 544 FT. I. D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE _____ IN. LENGTH DRILL COLLARS _____ FT. I. D. DRILL COLLARS _____ IN.
 TOOL OPEN I. F. P. FROM 9:35 p. m to 10:05 p. m Hr 30 min From (B) 44 P.S.I. to (C) 44 P.S.I.
 TOOL CLOSED I. C. I. P. FROM 10:05 p. m to 10:50 p. m Hr 45 min (D) 436 P.S.I.
 TOOL OPEN F. F. P. FROM 10:50 p. m to 12:20 p. m Hr 20 min From (E) 55 P.S.I. to (F) 66 P.S.I.
 TOOL CLOSED F. C. I. P. FROM 12:20 p. m to 1:05 a. m Hr 45 min (G) 29 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 1796 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1774 MAXIMUM TEMPERATURE 112 °F

BLOW Building weak blow 1st opening, 3" in bucket.
Building blow 2nd opening, 3" in bucket.

RECOVERY - TOTAL FEET 120
 RECOVERED 100 FEET OF Clean Oil.
 RECOVERED 20 FEET OF Oily mud. (2% Oil, 2% water, 7% mud.)
 RECOVERED _____ FEET OF 42° Oil & Temp. corrected.
 RECOVERED 30 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 _____
 RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO. 5977

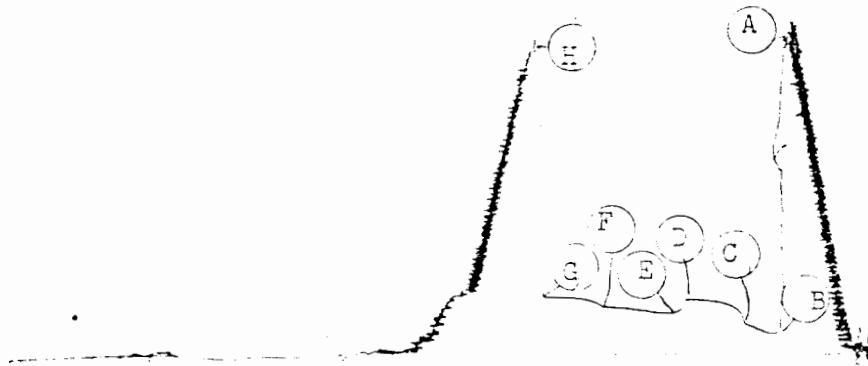
WITNESSED BY Greg Chenney TOOL OPERATOR Bob Johnson

13203

DST # 5

5978

F. & M. Oil Co.
Ranch # 1
3617-3644 Ks. City
4/22/82



This is an actual photograph of recorder chart.

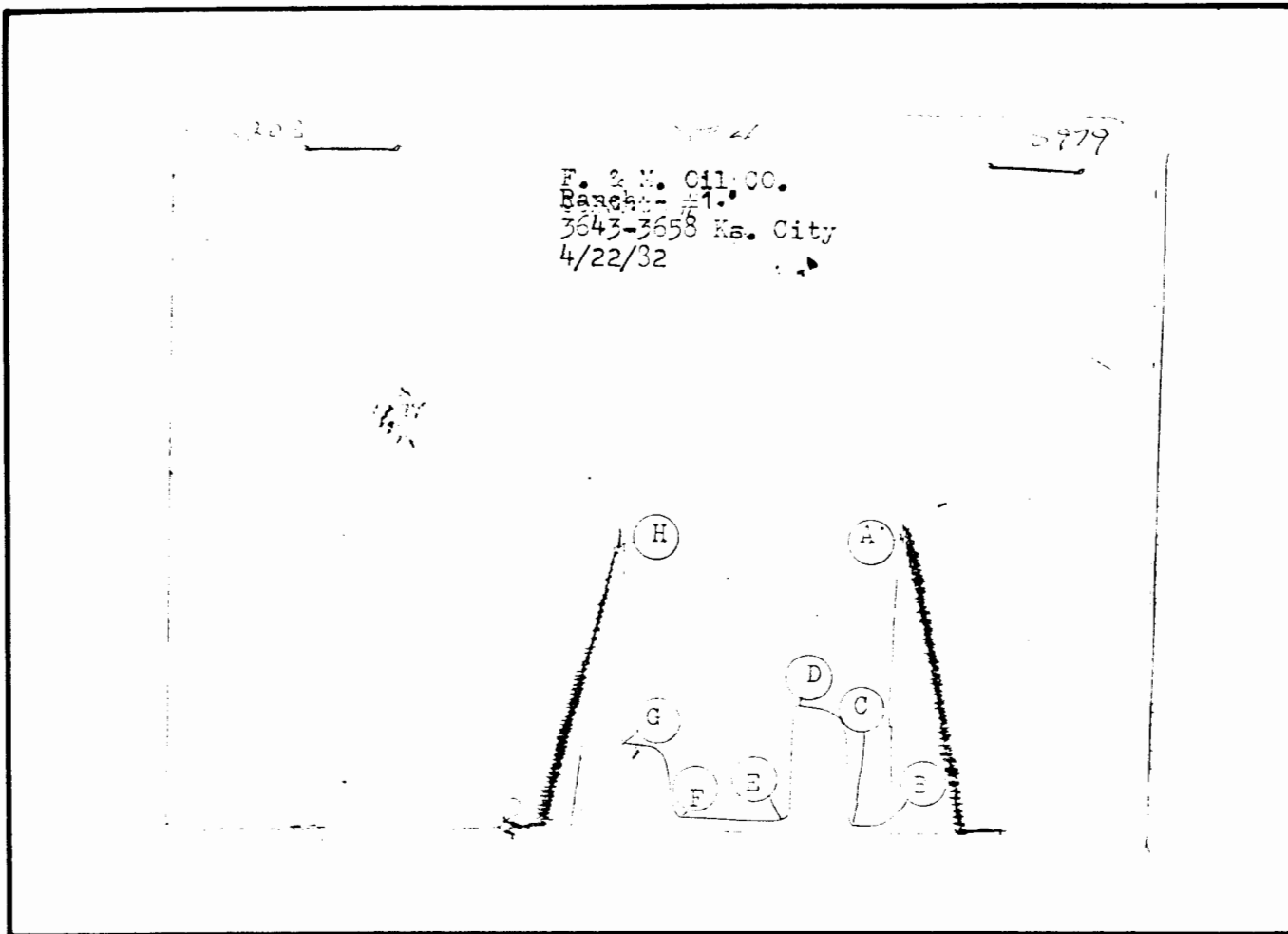
POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1796	1796	P.S.I.
(B) First Initial Flow Pressure	110	117	P.S.I.
(C) First Final Flow Pressure	154	154	P.S.I.
(D) Initial Closed-in Pressure	300	309	P.S.I.
(E) Second Initial Flow Pressure	221	232	P.S.I.
(F) Second Final Flow Pressure	254	274	P.S.I.
(G) Final Closed-in Pressure	300	320	P.S.I.
(H) Final Hydrostatic Mud	1752	1741	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY F. & M. Oil Co. STATE Kansas COUNTY Trego
 LEASE & WELL NO Ranch # 1 ELEVATION 2332 FT. DATE 4/22/82 FORMATION TESTED Lansing
 SEC 21 TWP 11 RANGE 22 INTERVAL TESTED 3617 TO 3644 TOTAL DEPTH 3644
 TEST NO # 3 O.K. yes TOP PACKER DEPTH 3612 FT. BOTTOM PACKER DEPTH 3617 FT. PACKER SIZE 6 & 3/4
 STRADDLE no CONV yes TOOL SIZE 5' OD. TOOL JOINT SIZE 4 1/2 ANCHOR LENGTH 27 FT.
 HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 1/2 IN.
 REVERSED OUT no VISCOSITY 50 WEIGHT 9.2 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3052 FT. I.D. DRILL PIPE 3.30 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 544 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE ---- IN. LENGTH DRILL COLLARS ---- FT. I.D. DRILL COLLARS ----- IN.
 TOOL OPEN I.F.P. FROM 9:50 a.m. to 10:20 a.m. Hr 30 min From (B) 110 P.S.I. to (C) 154 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 10:20 a.m. to 11:05 a.m. Hr 45 min (D) 309 P.S.I.
 TOOL OPEN F.F.P. FROM 11:05 a.m. to 12:05 a.m. Hr 60 min From (E) 221 P.S.I. to (F) 254 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 12:05 a.m. to 12:50 a.m. Hr 45 min (G) 309 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 1706 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1752 MAXIMUM TEMPERATURE 112 °F
 BLOW Strong blow 1st opening, to bottom of bucket in 4 minutes.
Strong blow 2nd opening, to bottom of bucket in 5 minutes.
 RECOVERY - TOTAL FEET 750
 RECOVERED 630 FEET OF Clean gassy Oil.
 RECOVERED 120 FEET OF Gassy Oily mud.
 RECOVERED _____ FEET OF Oil 47^o grav. & temp. corrected.
 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 5973

WITNESSED BY Greg Chenney TOOL OPERATOR Rob Johnson



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1744	1774	P.S.I.
(B) First Initial Flow Pressure	44	44	P.S.I.
(C) First Final Flow Pressure	55	50	P.S.I.
(D) Initial Closed-in Pressure	768	763	P.S.I.
(E) Second Initial Flow Pressure	77	77	P.S.I.
(F) Second Final Flow Pressure	38	38	P.S.I.
(G) Final Closed-in Pressure	531	535	P.S.I.
(H) Final Hydrostatic Mud	1741	1729	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY F. M. Oil Co. STATE Kansas COUNTY Trego
LEASE & WELL NO. Ranch # 1 ELEVATION 2338 RR. DATE 4/22/02 FORMATION TESTED Ke. City
SEC. 21 TWP. 11 RANGE 22 INTERVAL TESTED 3643 TO 3658 TOTAL DEPTH 3658
TEST NO. # 4 O.K. yes TOP PACKER DEPTH 3638 FT. BOTTOM PACKER DEPTH 3643 FT. PACKER SIZE 6 & 3/4
STRADDLE no CONV. yes TOOL SIZE 5 1/2 OD. TOOL JOINT SIZE 4 1/2 BH. ANCHOR LENGTH 15 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 49 WEIGHT 9.4 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
DRILLING CONTRACTOR Abercrombie # 4
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3 FT. I.D. DRILL PIPE 3.80 IN.
TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 544 FT. I.D. WEIGHT PIPE 2.75 IN.
TOOL JOINT SIZE ----- IN. LENGTH DRILL COLLARS ----- FT. I.D. DRILL COLLARS ----- IN.
TOOL OPEN I.F.P. FROM 9:25 p. m to 9:55 p. m Hr. 30 min From (B) 44 P.S.I. to (C) 55 P.S.I.
TOOL CLOSED I.C.I.P. FROM 9:55 p. m to 10:40 p. m Hr. 45 min (D) 764 P.S.I.
TOOL OPEN F.F.P. FROM 10:40 p. m to 12:10 a. m Hr. 90 min From (E) 77 P.S.I. to (F) 99 P.S.I.
TOOL CLOSED F.C.I.P. FROM 12:10 a. m to 12:55 a. m Hr. 45 min (G) 531 P.S.I.
INITIAL HYDROSTATIC PRESSURE (A) 1744 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1741 MAXIMUM TEMPERATURE 118 °F

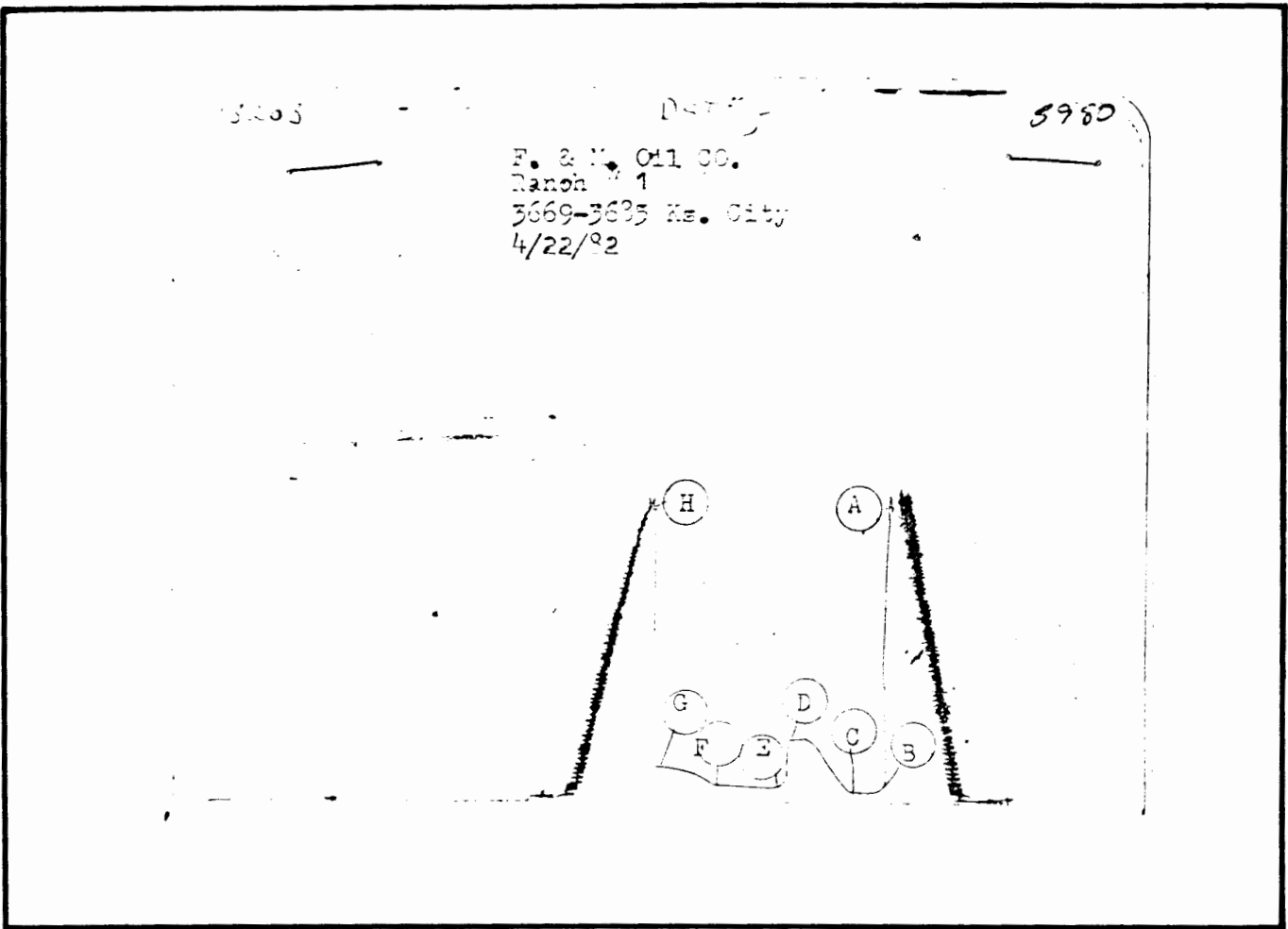
BLOW Weak blow 1st opening 1" in bucket
Weak blow 2nd opening, 2 1/4 in bucket.

RECOVERY - TOTAL FEET 120
RECOVERED 120 FEET OF Muddy water with show of Oil on top & odor.
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 _____
RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO. 5979

WITNESSED BY Greg Chenney TOOL OPERATOR Bob Johnson



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1706	1808	P.S.I.
(B) First Initial Flow Pressure	66	66	P.S.I.
(C) First Final Flow Pressure	77	70	P.S.I.
(D) Initial Closed-in Pressure	376	387	P.S.I.
(E) Second Initial Flow Pressure	92	92	P.S.I.
(F) Second Final Flow Pressure	110	110	P.S.I.
(G) Final Closed-in Pressure	210	216	P.S.I.
(H) Final Hydrostatic Mud	1774	1735	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY F. & M. Oil Co. STATE Kansas COUNTY Trego
 LEASE & WELL NO. Block # 1 ELEVATION 2378 DATE 4/22/82 FORMATION TESTED Ks. City
 SEC 21 TWP 11 RANGE 22 INTERVAL TESTED 3660 TO 3685 TOTAL DEPTH 3685
 TEST NO. #5 D K yes TOP PACKER DEPTH 3664 FT. BOTTOM PACKER DEPTH 3660 FT. PACKER SIZE 6 & 3/4
 STRADDLE no CONV yes TOOL SIZE 5 1/2 OD TOOL JOINT SIZE 4 1/2 ANCHOR LENGTH 16 FT.
 HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 1/2 IN.
 REVERSED OUT no VISCOSITY 40 WEIGHT 9.1 DUAL PACKERS yes OLD PACKER HOLD yes OLD TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2 IN. LENGTH DRILL PIPE 310 1/4 FT. I.D. DRILL PIPE 3.80 IN.
 TOOL JOINT SIZE 4 1/2 IN. LENGTH WEIGHT PIPE 7 1/4 FT. I.D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE 4 1/2 IN. LENGTH DRILL COLLARS ----- FT. I.D. DRILL COLLARS ----- IN.
 TOOL OPEN I.F.P. FROM 10:15 a.m. to 10:45 a.m. Hr 30 min From (B) 65 P.S.I. to (C) 77 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 10:45 a.m. to 11:30 a.m. Hr 45 min (D) 375 P.S.I.
 TOOL OPEN F.F.P. FROM 11:30 a.m. to 12:30 a.m. Hr 60 min From (E) 88 P.S.I. to (F) 110 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 12:30 a.m. to 1:15 a.m. Hr 45 min (G) 210 P.S.I.

INITIAL HYDROSTATIC PRESSURE (A) 1796 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 177 1/2 MAXIMUM TEMPERATURE 117 °F

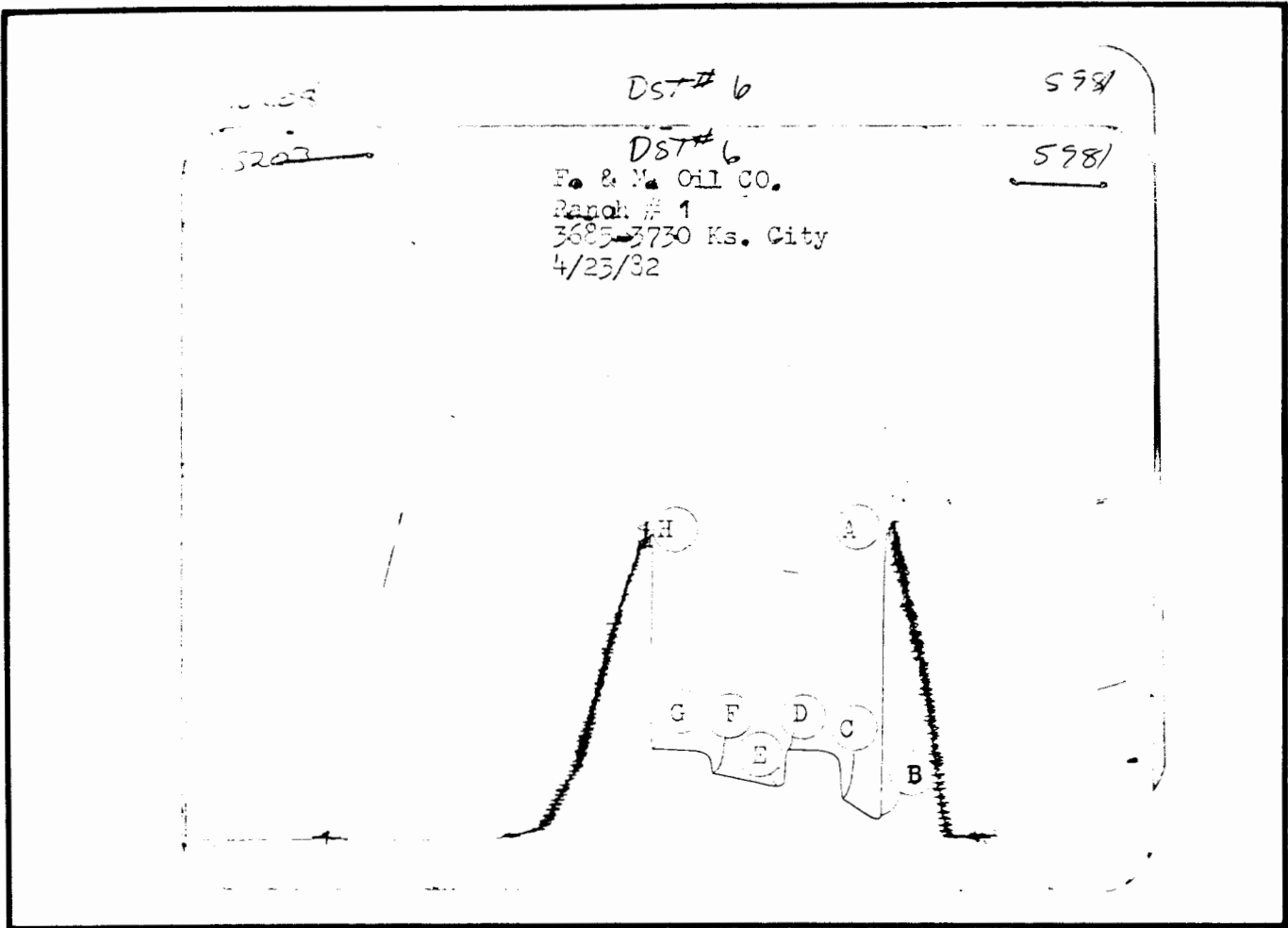
BLOW Strong blow 1st opening to bottom of bucket in 27 minutes.
Strong blow 2nd opening, 7 1/2" in bucket.

RECOVERY - TOTAL FEET 130
 RECOVERED 10 FEET OF Clean Oil.
 RECOVERED 60 FEET OF Oil cut and.
 RECOVERED 60 FEET OF Oily muddy water.
 RECOVERED _____ FEET OF _____
 RECOVERED 180 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.

WITNESSED BY Greg Chenney TOOL OPERATOR Bob Johnson TICKET NO. 5930

Computer Inventoried



This is actual recorder chart.

POINT	PRESSURE		P.S.I.
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1310	1326	P.S.I.
(B) First Initial Flow Pressure	121	123	P.S.I.
(C) First Final Flow Pressure	243	254	P.S.I.
(D) Initial Closed-in Pressure	553	553	P.S.I.
(E) Second Initial Flow Pressure	320	331	P.S.I.
(F) Second Final Flow Pressure	303	308	P.S.I.
(G) Final Closed-in Pressure	542	553	P.S.I.
(H) Final Hydrostatic Mud	1796	1830	P.S.I.

COMPANY F. & M. OIL CO. LEASE - WELL NO Ranch # 1 SEC 21 TWP 11 RGE 03 TEST NO 6 DATE 4/23/82

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY P. M. Oil Co. STATE Kansas COUNTY Osage
 LEASE & WELL NO. 1140 ELEVATION 3770 DATE 1/27/50 FORMATION TESTED B. 3140
 SEC 11 TWP 11 RANGE 20 INTERVAL TESTED 3125 TO 3770 TOTAL DEPTH 3770
 TEST NO 16 D K 1140 TOP PACKER DEPTH 3690 FT BOTTOM PACKER DEPTH 3695 FT PACKER SIZE 6 3/4
 STRADDLE 10 CONV 100 TOOL SIZE 5 1/2 TOOL JOINT SIZE 4" FN. ANCHOR LENGTH 45 FT
 HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN BOTTOM CHOKE SIZE 1 1/2 IN
 REVERSED OUT no VISCOSITY 1.5 WEIGHT 2.4 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR McDonnell 4

TOOL JOINT SIZE 1 1/2 IN LENGTH DRILL PIPE 3120 FT I D. DRILL PIPE 3.80 IN
 TOOL JOINT SIZE 1 1/2 IN LENGTH WEIGHT PIPE 541 FT I D. WEIGHT PIPE 2.55 IN
 TOOL JOINT SIZE ---- IN LENGTH DRILL COLLARS ---- FT I D. DRILL COLLARS ---- IN
 TOOL OPEN I F P FROM 11:10 a. m to 11:40 a. m Hr 30 min From (B) 121 P.S.I to (C) 247 P.S.I
 TOOL CLOSED I C I P FROM 11:40 a. m to 12:25 p. m Hr 45 min (D) 553 P.S.I
 TOOL OPEN F F P FROM 12:25 p. m to 1:25 a. m Hr 60 min From (E) 330 P.S.I to (F) 300 P.S.I
 TOOL CLOSED F C I P FROM 1:25 a. m to 2:10 a. m Hr 45 min (G) 512 P.S.I
 INITIAL HYDROSTATIC PRESSURE (A) 1010 P.S.I FINAL HYDROSTATIC PRESSURE (H) 1796 MAXIMUM TEMPERATURE 110 °F

BLOW Strong blow 1st opening, to bottom of bucket in 10 minutes.
Strong blow 2nd opening to bottom of bucket in 35 minutes.

RECOVERY - TOTAL FEET 225
 RECOVERED 225 FEET OF Water, with show of Oil on top.
 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 _____
 RECOVERED _____ FEET OF _____

REMARKS None.

WITNESSED BY Greg Chenney TOOL OPERATOR Bob Johnson TICKET NO 5081

SUPERIOR TESTERS

368 West Second, Hoisington, Kansas

Date 4-23-82 Location 21-11-22-SW SE SW Elevation 2338 K3 County TREGO

Company FYM OIL COMPANY, INC. Number of Copies 5

Address 422 UNION CENTER WICHITA KS 67202

Charts Mailed to 422 UNION CENTER WICHITA, KS 67202

Invoice Mailed to 422 UNION CENTER WICHITA, KS 67202

Lease RAIL VALLEY Well No. 01 Formation Tested KANSAS 11 Test No. 6

Depth 3730 Tested from 3685 To 3730 Packer Size 6 3/4 Anchor Length 45

Top Packer Depth 3680 ft. Bottom Packer Depth 3685 ft. Dual Packers YES

Tool Joint Size 4 1/2" X 4 Tool Size 5 1/2" OD Hole Size 7 7/8 Did Packer Hold YES

Drilling Contractor ABERCROMBIE RISEN

Length Drill Pipe 3120 I.D. Drill Pipe 3.80 Tool Joint Size 4 1/2" X 4

Length Weight Pipe 544 I.D. Weight Pipe 2.75 Tool Joint Size 4 1/2" X 4

Length Drill Collars - I.D. Drill Collars - Tool Joint Size -

Tool Open I.F.P. from 11:10 P m to 11:40 P m 30 min from [B] 121 P.S.I. to [C] 243 P.S.I.

Tool Closed I.C.I.P. from 11:40 P m to 12:25 A m 45 min [D] 553 P.S.I.

Tool Open F.F.P. from 12:25 A m to 1:25 A m 60 min from [E] 320 P.S.I. to [F] 398 P.S.I.

Tool Closed F.C.I.P. from 1:25 A m to 2:10 A m 45 min [G] 542 P.S.I.

Initial Hydrostatic Pressure [A] 1819 P.S.I. Final Hydrostatic Pressure [H] 1796 P.S.I. Maximum Temp 112 °F

Blow STRONG BLOW ON FIRST OPENING TO BOTTOM OF BUCKET IN 10 MIN

STRONG BLOW ON SECOND OPENING TO BOTTOM OF BUCKET IN 25 MIN

Gas to Surface - Min. Oil to Surface - Min. Mud Weight 9.4 Viscosity 47

Gas Gauged -

Recovery 825' WATER WITH SHOW OF OIL ON TOP

Remarks -

Extra Equipment-Jars - Safety Joint - Straddle - Hook Wall -

Top Recorder No. 12203 Clock No. 23333

Bottom Recorder No. 13208 Clock No. 27151

Price of Job \$600.00

Tool Operator [Signature]

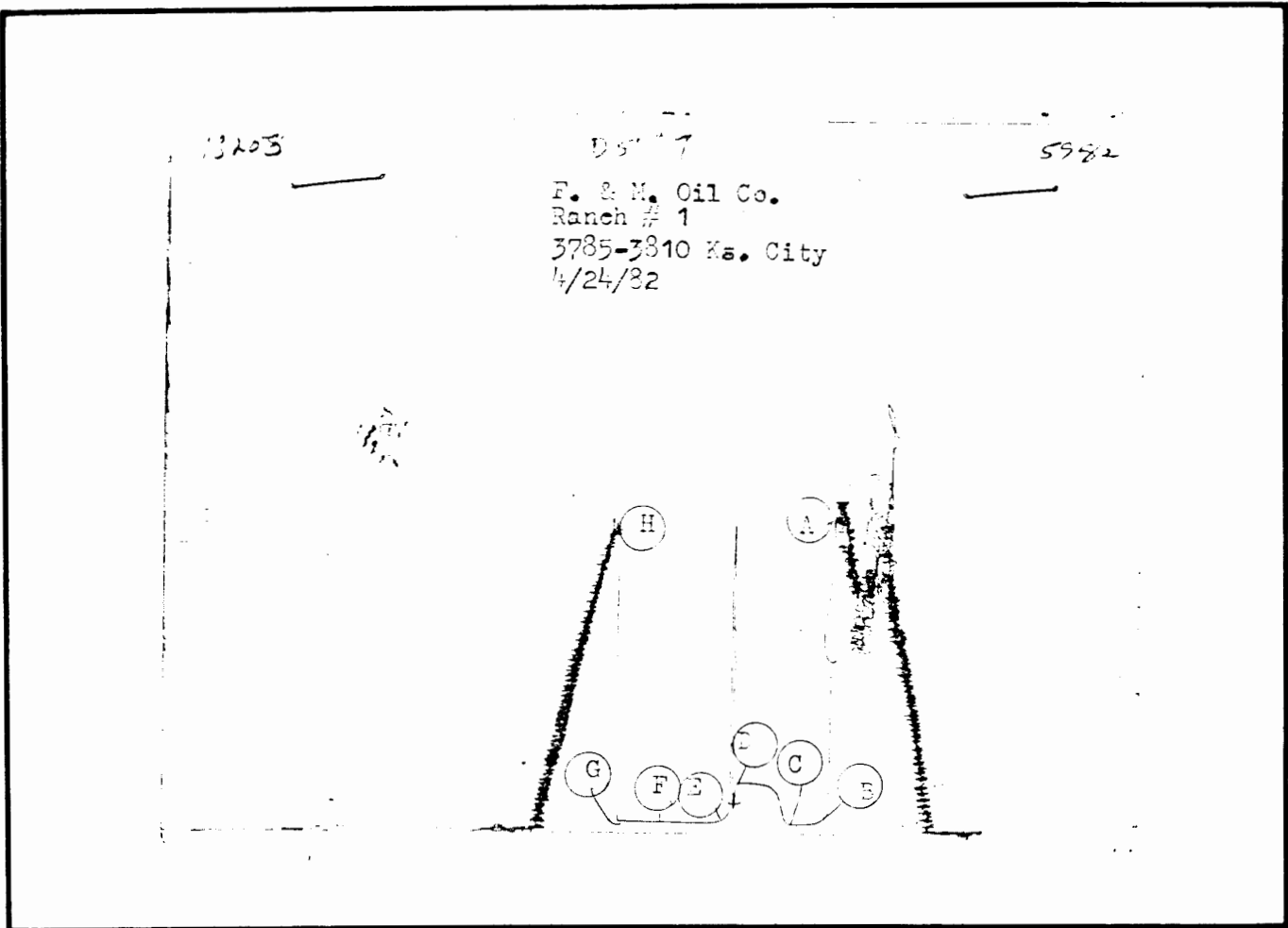
Approved By [Signature]

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Ticket No 5981

Computer Inventoried

COMPANY F. & H. Oil Co. LEASE - WELL NO. 2000000001 SEC. 21 TWP. 11 RGE. 22 TEST NO. 1 DATE 4/24/82



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1841	1897	P.S.I.
(B) First Initial Flow Pressure	55	55	P.S.I.
(C) First Final Flow Pressure	66	61	P.S.I.
(D) Initial Closed-in Pressure	309	309	P.S.I.
(E) Second Initial Flow Pressure	66	66	P.S.I.
(F) Second Final Flow Pressure	66	68	P.S.I.
(G) Final Closed-in Pressure	77	77'	P.S.I.
(H) Final Hydrostatic Mud	1841	1852	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY F. & M. Oil Co STATE Kansas COUNTY Trego
 LEASE & WELL NO. Ranch # 1 ELEVATION 2332 DATE 4/24/02 FORMATION TESTED Ks. City
 SEC. 21 TWP. 11 RANGE 22 INTERVAL TESTED 3700 TO 3910 TOTAL DEPTH 3910
 TEST NO # 7 O.K. yes TOP PACKER DEPTH 3790 FT. BOTTOM PACKER DEPTH 3795 FT. PACKER SIZE 6 3/4
 STRADDLE no CONV. yes TOOL SIZE 5 1/2 CD. TOOL JOINT SIZE 4 1/2 ANCHOR LENGTH 25 FT
 HOLE SIZE 7 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 1/2 IN.
 REVERSED OUT no VISCOSITY 52 WEIGHT 9.7 DUAL PACKERS yes DIO PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH DRILL PIPE 3220 FT. I. D. DRILL PIPE 3.20 IN.
 TOOL JOINT SIZE 4 1/2 XH. IN. LENGTH WEIGHT PIPE 544 FT. I. D. WEIGHT PIPE 2.75 IN.
 TOOL JOINT SIZE ----- IN. LENGTH DRILL COLLARS ----- FT. I. D. DRILL COLLARS ----- IN.
 TOOL OPEN I. F. P. FROM 4:35 p. m to 5:05 p. m Hr 30 min From (B) 55 P. S. I. to (C) 66 P. S. I.
 TOOL CLOSED I. C. I. P. FROM 5:05 p. m to 5:50 p. m Hr 45 min (D) 309 P. S. I.
 TOOL OPEN F. F. P. FROM 5:50 p. m to 6:35 p. m Hr 45 min From (E) 66 P. S. I. to (F) 66 P. S. I.
 TOOL CLOSED F. C. I. P. FROM 6:35 p. m to 7:20 p. m Hr 45 min (G) 77 P. S. I.
 INITIAL HYDROSTATIC PRESSURE (A) 1841 P. S. I. FINAL HYDROSTATIC PRESSURE (H) 1841 MAXIMUM TEMPERATURE 113 °F

BLOW Leak blow 1st opening, 1 1/2" diameter.
Dead 2nd opening, flushed tool and curve no leak.

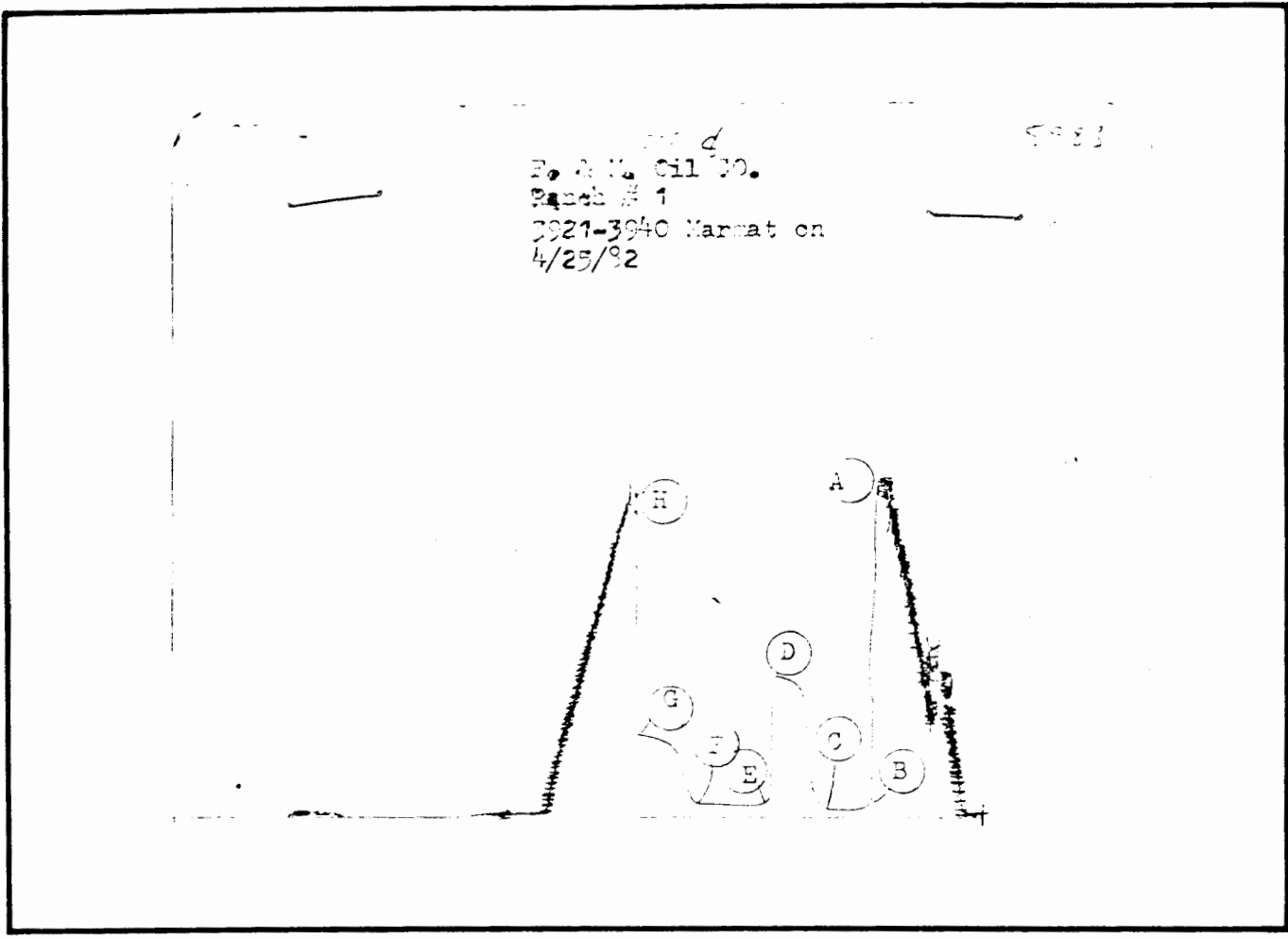
RECOVERY - TOTAL FEET 35
 RECOVERED 35 FEET OF Mud with few Oil specks. 14,000 p.p.m. Mud-11,000
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
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 RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO 5032

WITNESSED BY Greg Cheney TOOL OPERATOR Bob [unclear]

5883
 E. & H. Oil Co.
 Parcel # 1
 3921-3940 Marmat on
 4/25/82



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	<u>1987</u>	<u>2006</u>	P.S.I.
(B) First Initial Flow Pressure	<u>46</u>	<u>43</u>	P.S.I.
(C) First Final Flow Pressure	<u>35</u>	<u>55</u>	P.S.I.
(D) Initial Closed-in Pressure	<u>233</u>	<u>233</u>	P.S.I.
(E) Second Initial Flow Pressure	<u>66</u>	<u>77</u>	P.S.I.
(F) Second Final Flow Pressure	<u>33</u>	<u>83</u>	P.S.I.
(G) Final Closed-in Pressure	<u>497</u>	<u>497</u>	P.S.I.
(H) Final Hydrostatic Mud	<u>1984</u>	<u>1919</u>	P.S.I.

SUPERIOR TESTERS
368 West Second, Holsington, Kansas

COMPANY F. & M. Oil Co. STATE KANSAS COUNTY Trego
 LEASE & WELL NO. Ranch # 1 ELEVATION 2379 1/2 DATE 4/20/72 FORMATION TESTED Marathon
 SEC 21 TWP 11 RANGE 22 INTERVAL TESTED 3021 TO 3040 TOTAL DEPTH 3040
 TEST NO # 9 TO K has TOP PACKER DEPTH 3010 FT. BOTTOM PACKER DEPTH 3021 FT. PACKER SIZE 6 & 3/4
 STRADDLE no CONV yes TOOL SIZE 5 1/2 OD TOOL JOINT SIZE 1 1/2 ANCHOR LENGTH 10 FT
 HOLE SIZE 7 & 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2 IN. BOTTOM CHOKE SIZE 1 IN.
 REVERSED OUT no VISCOSITY 52 WEIGHT 9.2 DUAL PACKERS yes DID PACKER HOLD yes DID TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2 VH IN LENGTH DRILL PIPE 3350 FT I.D. DRILL PIPE 3.90 IN
 TOOL JOINT SIZE 4 1/2 VH IN LENGTH WEIGHT PIPE 544 FT I.D. WEIGHT PIPE 2.75 IN
 TOOL JOINT SIZE ----- IN LENGTH DRILL COLLARS ----- FT I.D. DRILL COLLARS ----- IN
 TOOL OPEN I.F.P. FROM 9:55 a. m to 10:25 a. m Hr 30 min From (B) 41 P.S.I. to (C) 55 P.S.I.
 TOOL CLOSED I.C.I.P. FROM 10:25 a. m to 11:10 a. m Hr 45 min (D) 353 P.S.I.
 TOOL OPEN F.F.P. FROM 11:10 a. m to 12:10 p. m Hr 60 min From (E) 66 P.S.I. to (F) 88 P.S.I.
 TOOL CLOSED F.C.I.P. FROM 12:10 p. m to 12:55 p. m Hr 45 min (G) 497 P.S.I.
 INITIAL HYDROSTATIC PRESSURE (A) 1097 P.S.I. FINAL HYDROSTATIC PRESSURE (H) 1004 MAXIMUM TEMPERATURE 118 °F

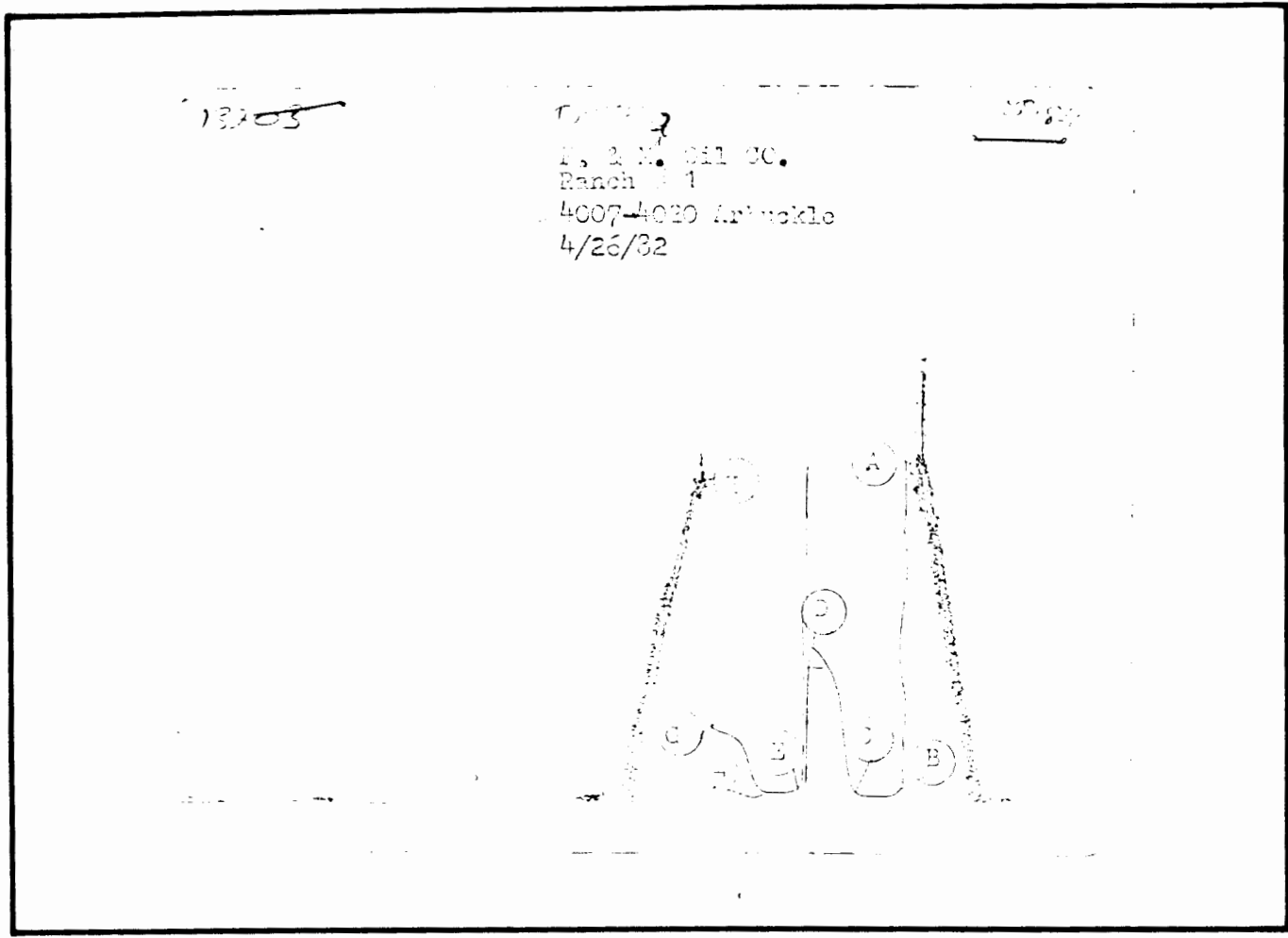
BLOW Building blow 3" in bucket 1st opening.
Building blow 2nd opening 6" in bucket.

RECOVERY - TOTAL FEET 135
 RECOVERED 105 FEET OF Clean Oil.
 RECOVERED 30 FEET OF Heavy Oil, cut mud.
 RECOVERED 150 FEET OF Gag in the pipe. (30° approx. temp. connects
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
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 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
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 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO 5993

WITNESSED BY Greg Cheney TOOL OPERATOR Tom Johnson



This is an actual photograph of recorder chart.

POINT	PRESSURE		
	FIELD READING	OFFICE READING	
(A) Initial Hydrostatic Mud	1997	2008	P.S.I.
(B) First Initial Flow Pressure	33	37	P.S.I.
(C) First Final Flow Pressure	44	44	P.S.I.
(D) Initial Closed-in Pressure	231	231	P.S.I.
(E) Second Initial Flow Pressure	55	55	P.S.I.
(F) Second Final Flow Pressure	55	55	P.S.I.
(G) Final Closed-in Pressure	431	442	P.S.I.
(H) Final Hydrostatic Mud	1950	1953	P.S.I.

SUPERIOR TESTERS
368 West Second, Hoisington, Kansas

COMPANY F. & M. Oil Co. STATE Kansas COUNTY Trego
 LEASE & WELL NO. Ranch # 1 ELEVATION 3330 DATE 4/26/32 FORMATION TESTED Arbuckle
 SEC 21 TWP 11 RANGE 22 INTERVAL TESTED 4007 TO 4020 TOTAL DEPTH 4020
 TEST NO. #9 OK yes TOP PACKER DEPTH 4002 FT. BOTTOM PACKER DEPTH 4007 FT. PACKER SIZE 2 3/4
 STRADDLE no CONV yes TOOL SIZE 5 1/2" TOOL JOINT SIZE 4 1/2" ANCHOR LENGTH 13 FT
 HOLE SIZE 2 7/8 EXTRA EQUIPMENT none SURFACE CHOKE SIZE 1 1/2" BOTTOM CHOKE SIZE 1 IN
 REVERSED OUT no VISCOSITY 50 WEIGHT 9.2 DUAL PACKERS yes OLD PACKER HOLO yes DID TOOL PLUG no
 DRILLING CONTRACTOR Abercrombie # 4

TOOL JOINT SIZE 4 1/2" IN LENGTH DRILL PIPE 7 1/2 FT I.D. DRILL PIPE 3.20 IN
 TOOL JOINT SIZE 4 1/2" IN LENGTH WEIGHT PIPE 5 1/2 FT I.D. WEIGHT PIPE 2.75 IN
 TOOL JOINT SIZE --- IN LENGTH DRILL COLLARS --- FT I.D. DRILL COLLARS --- IN
 TOOL OPEN I.F.P. FROM 12:45 a. m to 1:15 a. m Hr 30 min From (B) 33 P.S.I. to (C) 44 P.S.I
 TOOL CLOSED I.C.I.P. FROM 1:15 a. m to 2:00 a. m Hr 45 min (D) 931 P.S.I
 TOOL OPEN F.F.P. FROM 2:00 a. m to 2:30 a. m Hr 30 min From (E) 55 P.S.I. to (F) 55 P.S.I
 TOOL CLOSED F.C.I.P. FROM 2:30 a. m to 3:15 a. m Hr 45 min (G) 431 P.S.I
 INITIAL HYDROSTATIC PRESSURE (A) 1997 P.S.I FINAL HYDROSTATIC PRESSURE (H) 1930 MAXIMUM TEMPERATURE 110 °F

BLOW Weak blow 1" in bucket 1st opening,
Dead 2nd opening, flushed tool no help.

RECOVERY - TOTAL FEET 65
 RECOVERED 5 FEET OF Clean Oil.
 RECOVERED 60 FEET OF Oil cut mud.
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
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 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____
 RECOVERED _____ FEET OF _____

REMARKS None.

TICKET NO 5934

WITNESSED BY Greg Chenney TOOL OPERATOR Bob Johnson