



MILLER TESTING COMPANY

P. O. BOX 547 SWIFT 3-3370
GREAT BEND, KANSAS

DATE 1-1-69 SEC. 19 TWN. 10-S RG. 20-W LEGAL DESCRIPTION NW1/4SE

COMPANY Thunderbird Drlg. Inc. ELEV. 2115 D.F.

ADDRESS 400 N. Woodlawn Wichita, Kansas

LEASE Romine WELL NO. #1 COUNTY Rooks

INVOICES SENT TO: Same

CHARTS SENT TO: Same

TOOL JT. <u>4 1/2 Fth</u>	SIZE HOLE <u>7 7/8"</u>	SIZE PACKER <u>6 3/4"</u>	TEST NO. <u>#1</u>
TOOL OPEN 1ST FLOW	HR. <u>30</u> MIN: INITIAL CIP	HR. <u>30</u> MIN: 2ND FLOW	HR. <u>30</u> MIN: FINAL CIP
DEPTH <u>3747'</u>	TESTED FROM <u>3735'</u>	TO <u>3747'</u>	ANCHOR LENGTH <u>12'</u>
INITIAL HYD. <u>2122' (2095)</u>	FINAL HYD. <u>2068' (2077)</u>	SUCESSFUL NO. <u>#1</u>	
INITIAL 1ST FLOW PRESS. <u>37# (33)</u>	FINAL 1ST FLOW PRESS. <u>37# (33)</u>	INITIAL SHUT-IN PRESS. <u>750# (745)</u>	
INITIAL 2ND FLOW PRESS. <u>50# (53)</u>	FINAL 2ND FLOW PRESS. <u>59# (53)</u>	FINAL SHUT-IN PRESS. <u>604# (608)</u>	
MUD WEIGHT <u>10.2</u>	VISCOSITY	WATER LOSS	C.C. RECORDER NO. <u>#1049-48</u>
SP. GRAVITY OIL	BOTTOM HOLE TEMP. <u>122°</u>	I. D. DRILL COLLARS	AMT. OF FLEXWEIGHT <u>1050'</u>

BLOW: Weak blow for 12 min. Then very weak intermittent ^{Blow} for 18 min.
No Blow on 2nd opening. Flushed tool after 15 min on 2nd opening. No Blow.

RECOVERY: 2' of Oil
65' of Thin wtry Mud
67' Total Fluid

EXTRA EQUIPMENT None OPERATOR TIME 16 hrs. PRICE OF JOB \$210.00

FORMATION TESTED Arg.
APPROVED BY: [Signature]
OUR REPRESENTATIVE: [Signature]

MILLER TESTING COMPANY
SHALL NOT BE LIABLE FOR ANY DAMAGE OF ANY KIND TO THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE. OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

TICKET N^o 9546

MILLER TESTING COMPANY

Box 547

GREAT BEND, KANSAS

Company THUNDERBIRD DRILLING INC.

Lease and Well No. ROMINE #1

County ROOKS State KANSAS Date JAN. 1, 1969

Formation Test No. 1 Total Depth 3747 Elev. 2115 DF

Interval Tested 3735 To 3747 Anchor Length 12

Size Hole 7 7/8 Size Drill Pipe 4 1/2 FH Size Packer 6 3/4

Mud Weight 10.2 Viscosity _____ Water Loss _____ c.c. Bottom Hole Temp. 122 °F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 9546

RECOVERY

WEAK BLOW FOR 12 MINUTES. THEN VERY WEAK INTERMITTENT BLOW FOR 18 MINUTES. NO BLOW ON SECOND OPENING. FLUSHED TOOL AFTER 15 MINUTES ON SECOND OPENING. NO BLOW.

2 FEET OF OIL.
65 FEET OF THIN WATERY MUD.

Lease and Well No. ROMINE #1 19 10S 20W NW NE SE
Formation Test No. 1

COMPANY THUNDERBIRD DRILLING INC.

DATE JAN. 1, 1969

LEASE ROMINE

WELL NO. 1

TEST NO. 1

TICKET NO. 9546

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		2095
INITIAL CLOSED IN PRESSURE	30 mins.	745
INITIAL FLOW	30 mins.	33 to 33
FINAL FLOW	30 mins.	53 to 55
FINAL CLOSED IN PRESSURE	30 mins.	608
FINAL HYDRO MUD PRESSURE		2077

TOTAL DEPTH 3747

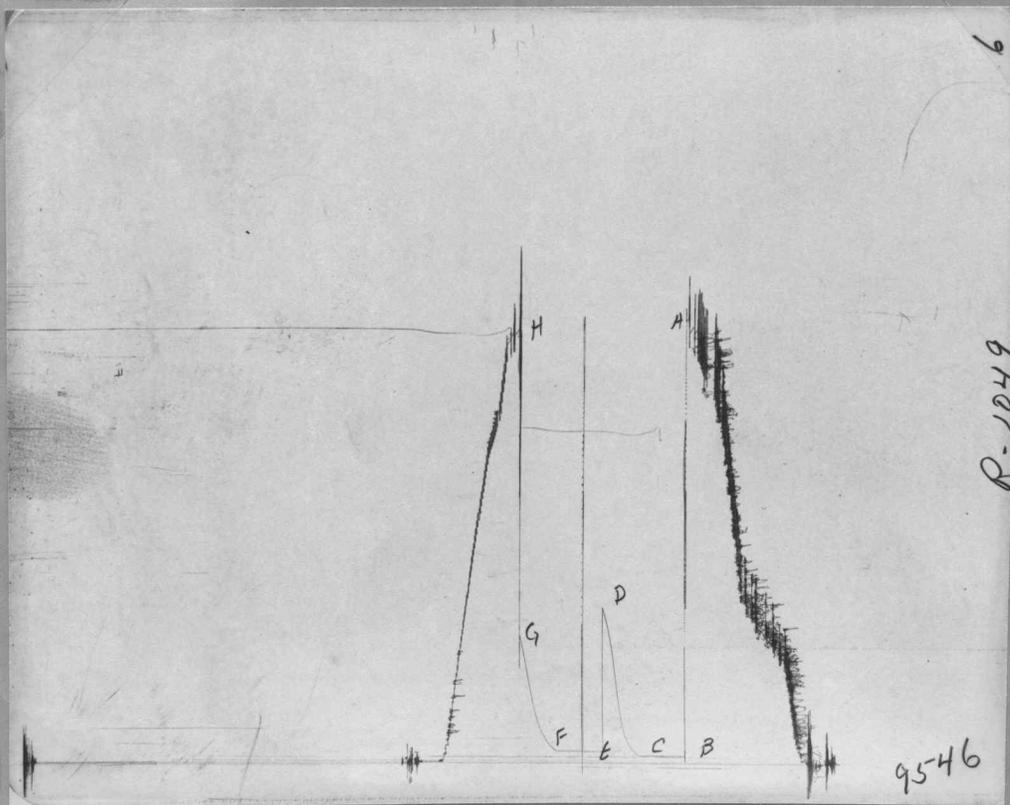
PACKER DEPTH 3735

BT. NO. 1049 DEPTH 3742

1ST FLOW PRESSURE	INITIAL CIP	2ND FLOW PRESSURE	FINAL CIP
33	33	53	55
33	55	53	79
33	110	53	119
33	256	55	188
33	485	55	311
33	650	55	467
33	745	55	608
5 MINUTE INTERVAL	5 MINUTE INTERVAL	5 MINUTE INTERVAL	5 MINUTE INTERVAL

REMARKS

SPECIAL PRESSURE DATA



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	2122	2095
(B) Initial 1st Flow Pressure	37	33
(C) Final 1st Flow Pressure	37	33
(D) Initial Shut-in Pressure	750	745
(E) Initial 2nd Flow Pressure	50	53
(F) Final 2nd Flow Pressure	59	55
(G) Final Shut-in Pressure	604	608
(H) Final Hydrostatic Pressure	2068	2077
		9546