# THUNDERBIRD DRLG., INC.

## TESTING DIVISION

Box 18407

## WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Evel "E - 1"

County Ness State Kansas Date 4-16-74

Formation Test No. 1 Total Depth 4514' Elev.

Interval Tested 4448 To 4514' Anchor Length 66'

Size Hole 7 7/8" Size Drill Pipe 4½" XH FH Size Packer 6 3/4"

Mud Weight 9.7 Viscosity 51 Water Loss 9.8 c.c. Bottom Hole Temp. 118 ° F

Chokes: Top 1/2" Bottom 1/2" Ticket No. 476

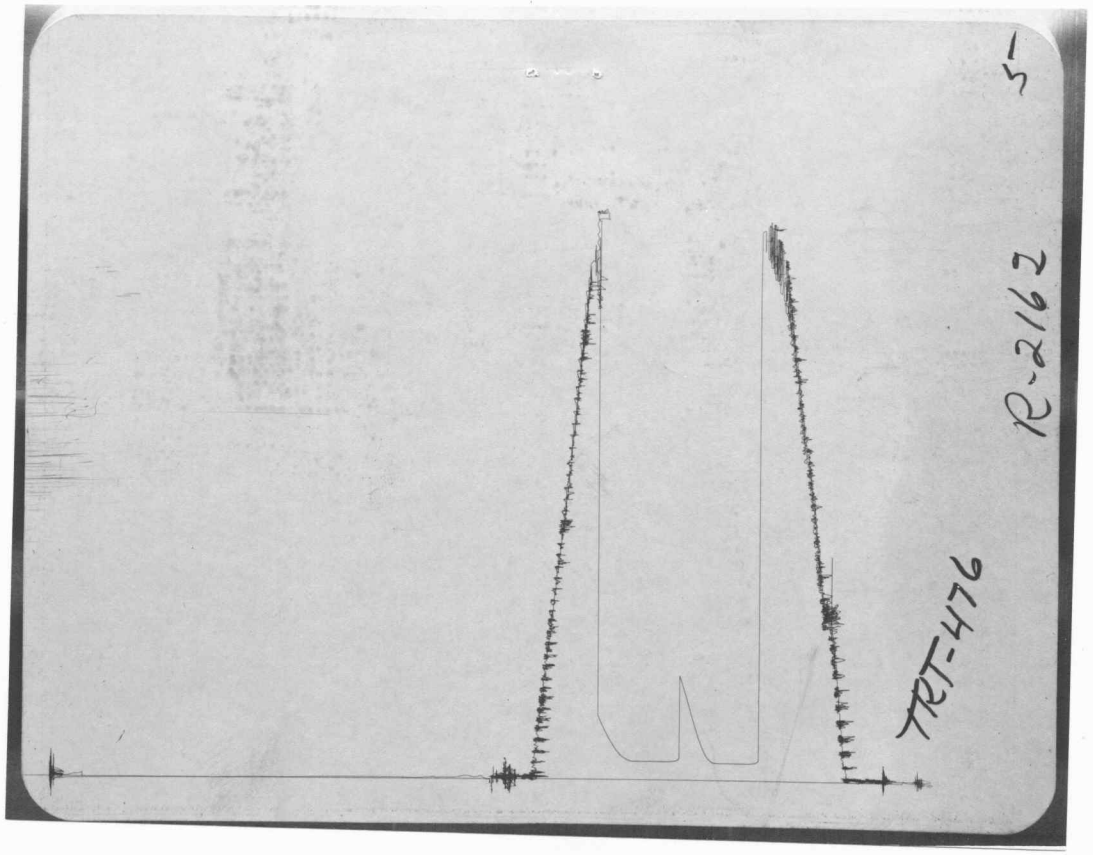
### RECOVERY

Blow: Weak blow for 15 mins.

Recovery: 25' of mud w/few spots of oil

Lease and Well No. EVEL " E-1" Sec 13 Twn 16-S Rg 26-W C/SW NE

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 | 2488 | 2435 |
| (B) Initial 1st Flow Pressure | 69 | 78 |
| (C) Final 1st Flow Pressure | 78 | 80 |
| (D) Initial Shut-in Pressure | 467 | 467 |
| (E) Initial 2nd Flow Pressure | 87 | 87 |
| (F) Final 2nd Flow Pressure | 87 | 87 |
| (G) Final Shut-in Pressure | 277 | 289 |
| (H) Final Hydrostatic Pressure | 2435 | 2417 |

Ticket # 476

DATE 4-16-74

# THUNDERBIRD DRILLING, INC.

TESTING DIVISION
BOX 18407 PHONE 316 685-1441
WICHITA, KANSAS 67218

TICKET Nº 476

SEC. 13 TWN 16-S RG 26-W

LEGAL DESCRIPTION C/SW NE

TEST NO. 1

COMPANY Thunderbird Drlg. Inc.

ADDRESS Box 18407; Wichita, Ks. 67218

LEASE Evel WELL NO. E-1 COUNTY Ness, STATE Ks.

INVOICES SENT TO: Same

DST COPIES SENT TO: "

## GENERAL INFORMATION

TOOL JT. 4½" X.H. HOLE SIZE 7⅞" PACKER O.D. 6¾"

ELEV. TOTAL DEPTH 4514'

TESTED FROM 4448' TO 4514'

ANCHOR LENGTH BELOW 66' BETWEEN

TOOL OPEN 1ST FLOW A.M. 4:53 P.M.

TOOL CLOSED INITIAL SHUT-IN A.M. 5:25 P.M.

TOOL OPEN 2ND FLOW A.M. 5:53 P.M.

TOOL CLOSED FINAL SHUT-IN A.M. 6:25 P.M.

MUD WT 9.7 VISCOSITY 51 W.L. 9.8 C.C.

SP. GRAVITY OIL BOTTOM HOLE TEMPERATURE 118°

LENGTH DRILL COLLAR I.D.

LENGTH WEIGHT PIPE 264' I.D. 2.76

SUCCESSFUL TEST NO. 1 MISRUN NO.

CHOKES: TOP 1/2" BOTTOM 1/2

## PRESSURE DATA & TIME

| | FIELD READINGS | CORRECTED READINGS |
|---|---|---|
| INITIAL HYDROSTATIC | 2488 | 2435 |
| INITIAL 1ST FLOW | 69 | 78 |
| FINAL 1ST FLOW | 78 | 80 |
| INITIAL SHUT-IN | 467 | 467 |
| INITIAL 2ND FLOW | 87 | 87 |
| FINAL 2ND FLOW | 87 | 87 |
| FINAL SHUT-IN | 277 | 289 |
| FINAL HYDROSTATIC | 2435 | 2417 |

TOOL OPEN: 1ST FLOW HR. 30 MIN.

INITIAL SHUT-IN HR. 30 MIN.

2ND FLOW HR. 30 MIN.

FINAL SHUT-IN HR. 30 MIN.

TOP RECORDER NO. 2162 BOTTOM RECORDER NO. 4333

TYPE BLOW Weak blow for 15 mins.

RECOVERY: 25' of mud w/few spots of Oil

EXTRA EQUIPMENT None

APPROVED BY: E B Donnelly

TESTER: Ed Coale

FORMATION TESTED Miss.

OPERATOR TIME:

**THUNDERBIRD DRILLING, INC.**

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 WAS MADE.

## CHARGES

| | |
|---|---|
| TEST CHARGE | $ 180.00 |
| EXTRA PACKERS | $ |
| JARS | $ |
| SAFETY JOINT | $ |
| HOOK WALL | $ |
| MISRUN CHARGE | $ |
| STAND-BY CHARGE | $ |
| DST EVALUATION | $ |
| TOTAL | $ 280.00 |