

THUNDERBIRD DRLG., INC.
TESTING DIVISION
Box 18407
WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Stoppel # 1

County Ness State Kansas Date 1-12-73

Formation Test No. 2 Total Depth 4285' Elev. _____
Interval Tested 4264' To 4285' Anchor Length 21'
Size Hole 7 7/8" Size Drill Pipe 4 1/2" XH FH Size Packer 6 3/4"
Mud Weight 9.6 Viscosity 51 Water Loss 6 c.c. Bottom Hole Temp. 116 ° F
Chokes: Top 1/2" Bottom 1/2" Ticket No. 298

RECOVERY

Blow: Weak intermittent for 15 mins. Flushed tool

Recovery: 20' of mud w/slight show of oil.

Lease and Well No. STOPPEL # 1 Sec 27 Twn 18-S Rg 24-W C NW NE
Formation Test No. 2

DATE 1-12-73

THUNDERBIRD DRILLING, INC.

TESTING DIVISION

TICKET **Nº** **298**SEC. 27 TWN 18-S RG 24-W

BOX 18407 PHONE 316 685-1441

LEGAL DESCRIPTION C NW NE

WICHITA, KANSAS 67218

TEST NO. 2COMPANY Thunderbird Drllg. Inc.ADDRESS Box 18407, Wichita, Mo. 67218LEASE Stoppel WELL NO. 1 COUNTY Ness STATE Ks.INVOICES SENT TO: SameDST COPIES SENT TO: "

GENERAL INFORMATION		PRESSURE DATA & TIME	
		FIELD READINGS	CORRECTED READINGS
TOOL JT. <u>4 1/2 F.H.</u>	HOLE SIZE <u>7 7/8</u> PACKER O.D. <u>6 3/4"</u>	INITIAL HYDROSTATIC <u>2347</u>	<u>2329</u>
ELEV. _____	TOTAL DEPTH <u>4285'</u>	INITIAL 1ST FLOW <u>43</u>	<u>43</u>
TESTED FROM <u>4264'</u>	TO <u>4285'</u>	FINAL 1ST FLOW <u>52</u>	<u>53</u>
ANCHOR LENGTH BELOW <u>21'</u>	BETWEEN <u>✓</u>	INITIAL SHUT-IN <u>640</u>	<u>649</u>
TOOL OPEN 1ST FLOW <u>7:00</u> A.M.	P.M. _____	INITIAL 2ND FLOW <u>52</u>	<u>61</u>
TOOL CLOSED INITIAL SHUT-IN <u>7:30</u> A.M.	P.M. _____	FINAL 2ND FLOW <u>52</u>	<u>61</u>
TOOL OPEN 2ND FLOW <u>8:00</u> A.M.	P.M. _____	FINAL SHUT-IN <u>605</u>	<u>606</u>
TOOL CLOSED FINAL SHUT-IN <u>8:30</u> A.M.	P.M. _____	FINAL HYDROSTATIC <u>2300</u>	<u>2303</u>
MUD WT <u>9.6</u> VISCOSITY <u>57</u> W.L. <u>6</u> C.C. _____		TOOL OPEN: 1ST FLOW _____	HR. <u>30</u> MIN.
SP. GRAVITY OIL _____	BOTTOM HOLE TEMPERATURE <u>116°</u>	INITIAL SHUT-IN _____	HR. <u>30</u> MIN.
LENGTH DRILL COLLAR <u>✓</u> I.D. <u>✓</u>		2ND FLOW _____	HR. <u>30</u> MIN.
LENGTH WEIGHT PIPE <u>692'</u> I.D. <u>2.76</u>		FINAL SHUT-IN _____	HR. <u>30</u> MIN.
SUCCESSFUL TEST NO. <u>2</u>	MISRUN NO. <u>✓</u>	TOP RECORDER NO. <u>2162</u>	BOTTOM RECORDER NO. <u>4333</u>
CHOKES: TOP <u>1/2"</u>	BOTTOM <u>1/2"</u>		

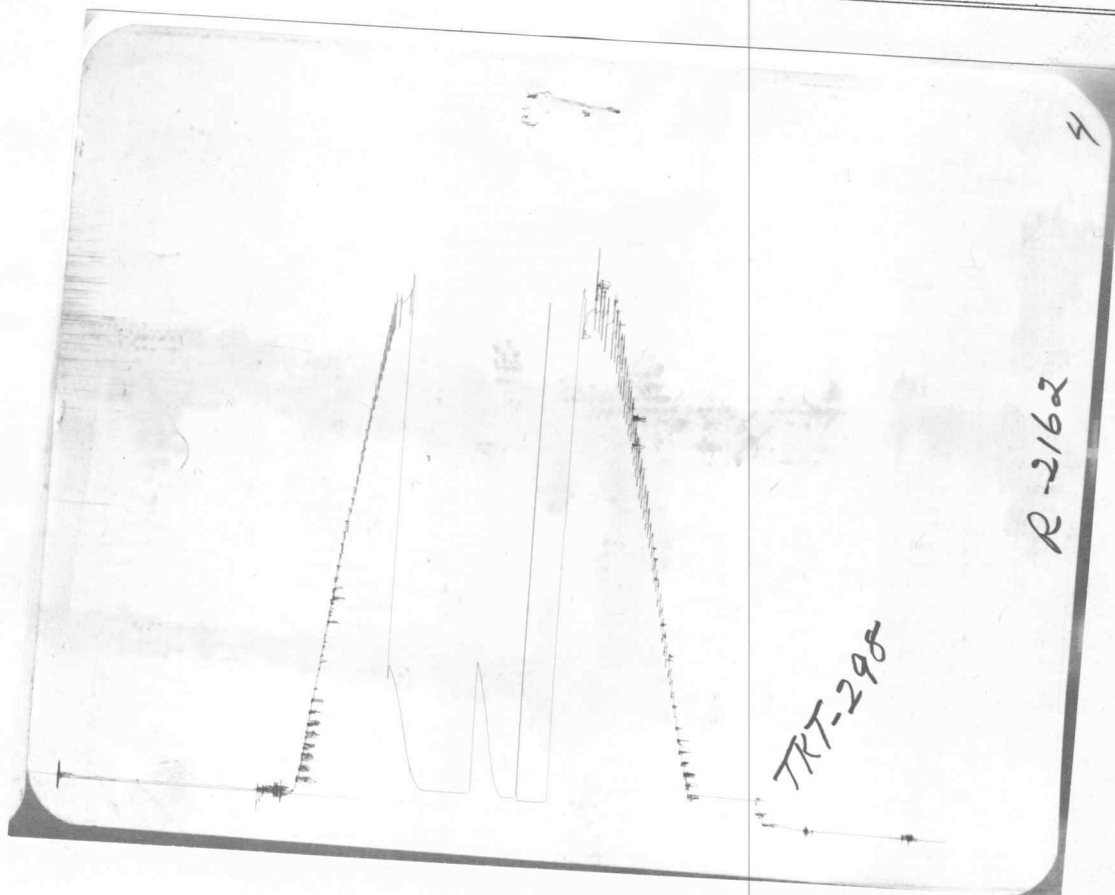
TYPE BLOW Weak intermittent for 15 mins.
Flushed tool.RECOVERY: 20' of mud w/slight show of OilEXTRA EQUIPMENT NoneAPPROVED BY: George A. McCalister THUNDERBIRD DRILLING, INC.TESTER: Ed CookFORMATION TESTED Chero.

OPERATOR TIME: _____

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	\$ <u>220.00</u>
EXTRA PACKERS	\$ _____
JARS	\$ _____
SAFETY JOINT	\$ _____
HOOK WALL	\$ _____
MISRUN CHARGE	\$ _____
STAND-BY CHARGE	\$ _____
DST EVALUATION	\$ _____
TOTAL	\$ <u>220.00</u>



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	<u>2347</u>	<u>2329</u>
(B) Initial 1st Flow Pressure	<u>43</u>	<u>45</u>
(C) Final 1st Flow Pressure	<u>52</u>	<u>55</u>
(D) Initial Shut-in Pressure	<u>640</u>	<u>649</u>
(E) Initial 2nd Flow Pressure	<u>52</u>	<u>61</u>
(F) Final 2nd Flow Pressure	<u>52</u>	<u>61</u>
(G) Final Shut-in Pressure	<u>605</u>	<u>606</u>
(H) Final Hydrostatic Pressure	<u>2300</u>	<u>2303</u>