

DATE 5-18-76

THUNDERBIRD DRILLING, INC.

SEC. 18 TWN 24-S RG 23-W

TESTING DIVISION

TICKET No 673

BOX 18407 PHONE 316 685-1441

LEGAL DESCRIPTION SE NW

WICHITA, KANSAS 67218

TEST NO. 1

COMPANY Thunderbird Drllg. Inc.
ADDRESS Box 18407; Wichita, Ks. 67218
LEASE Bradford WELL NO. A#1 COUNTY Hodgeman STATE Ks.
INVOICES SENT TO: Same
DST COPIES SENT TO: "

4 1/2" X.H. GENERAL INFORMATION				PRESSURE DATA & TIME	
TOOL JT. <u>F.H.</u> HOLE SIZE <u>7 7/8"</u> PACKER O.D. <u>6 3/4"</u>				FIELD READINGS	CORRECTED READINGS
ELEV. _____	TOTAL DEPTH <u>4730'</u>			INITIAL HYDROSTATIC <u>2435</u>	<u>2479</u>
TESTED FROM <u>4697'</u> TO <u>4730'</u>				INITIAL 1ST FLOW <u>52</u>	<u>61</u>
ANCHOR LENGTH BELOW <u>33</u> BETWEEN <u>✓</u>				FINAL 1ST FLOW <u>87</u>	<u>92</u>
TOOL OPEN 1ST FLOW <u>3:00</u> A.M. _____ P.M. _____				INITIAL SHUT-IN <u>1142</u>	<u>1142</u>
TOOL CLOSED INITIAL SHUT-IN <u>3:45</u> A.M. _____ P.M. _____				INITIAL 2ND FLOW <u>104</u>	<u>126</u>
TOOL OPEN 2ND FLOW <u>4:30</u> A.M. _____ P.M. _____				FINAL 2ND FLOW <u>138</u>	<u>150</u>
TOOL CLOSED FINAL SHUT-IN <u>5:15</u> A.M. _____ P.M. _____				FINAL SHUT-IN <u>1090</u>	<u>1107</u>
MUD WT <u>9.4</u> VISCOSITY <u>42</u> W.L. <u>15</u> C.C. _____				FINAL HYDROSTATIC <u>2435</u>	<u>2461</u>
SP. GRAVITY OIL _____ BOTTOM HOLE TEMPERATURE <u>119°</u>				TOOL OPEN: 1ST FLOW _____ HR. <u>45</u> MIN.	
LENGTH DRILL COLLAR <u>✓</u> I.D. <u>✓</u>				INITIAL SHUT-IN _____ HR. <u>45</u> MIN.	
LENGTH WEIGHT PIPE <u>575'</u> I.D. <u>2.76</u>				2ND FLOW _____ HR. <u>45</u> MIN.	
SUCCESSFUL TEST NO. <u>1</u> MISRUN NO. <u>✓</u>				FINAL SHUT-IN _____ HR. <u>45</u> MIN.	
CHOKES: TOP <u>1/2"</u> BOTTOM <u>1/2"</u>				TOP RECORDER NO. <u>2162</u> BOTTOM RECORDER NO. <u>4332</u>	

TYPE BLOW Weak thru-out test.

RECOVERY: 120 ft. Gas in Drill pipe
60 ft. oil & Gas cut mud
180 ft. Heavy oil & Gas cut mud w/
some free oil

EXTRA EQUIPMENT None
APPROVED BY: _____
TESTER: Ed Cook
FORMATION TESTED Chero.
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	\$ <u>375</u>
EXTRA PACKERS	\$ _____
JARS	\$ _____
SAFETY JOINT	\$ _____
HOOK WALL	\$ _____
MISRUN CHARGE	\$ _____
STAND-BY CHARGE	\$ _____
DST EVALUATION	\$ _____
TOTAL	\$ <u>375</u>

TOTAL DEPTH 4730'
PACKER DEPTH 4695'
BT. NO. 2162 DEPTH 4725'

REMARKS	

SPECIAL PRESSURE DATA

TKT-693

TKT-693

DATE 5-19-74

THUNDERBIRD DRILLING, INC.

SEC. 18 TWN 24-S RG 23-W

TESTING DIVISION

TICKET N^o 674

BOX 18407 PHONE 316 685-1441

LEGAL DESCRIPTION SE NW

WICHITA, KANSAS 67218

TEST NO. 2COMPANY Thunderbird Drilling, Inc.ADDRESS Box 18407, Wichita, Ks. 67218LEASE Bradford WELL NO. A-1 COUNTY Hodgeman STATE Ks.INVOICES SENT TO: SameDST COPIES SENT TO: "

GENERAL INFORMATION				PRESSURE DATA & TIME					
TOOL JT. <u>4 1/2" K.H.</u>		HOLE SIZE <u>7 7/8"</u>		PACKER O.D. <u>6 3/4"</u>		FIELD READINGS		CORRECTED READINGS	
ELEV. _____	TOTAL DEPTH <u>4767'</u>					INITIAL HYDROSTATIC	<u>2435</u>	<u>2480</u>	
TESTED FROM <u>4733'</u>	TO <u>4767'</u>					INITIAL 1ST FLOW	<u>43</u>	<u>43</u>	
ANCHOR LENGTH BELOW <u>34'</u>	BETWEEN <u>✓</u>					FINAL 1ST FLOW	<u>43</u>	<u>43</u>	
TOOL OPEN 1ST FLOW <u>2:05</u>	A.M. _____ P.M. _____					INITIAL SHUT-IN	<u>1125</u>	<u>1128</u>	
TOOL CLOSED INITIAL SHUT-IN <u>2:35</u>	A.M. _____ P.M. _____					INITIAL 2ND FLOW	<u>52</u>	<u>52</u>	
TOOL OPEN 2ND FLOW <u>3:05</u>	A.M. _____ P.M. _____					FINAL 2ND FLOW	<u>52</u>	<u>52</u>	
TOOL CLOSED FINAL SHUT-IN <u>3:35</u>	A.M. _____ P.M. _____					FINAL SHUT-IN	<u>952</u>	<u>955</u>	
MUD WT. <u>9.3</u>	VISCOSITY <u>42</u> W.L. <u>9.6</u> C.C. _____					FINAL HYDROSTATIC	<u>2400</u>	<u>2425</u>	
SP. GRAVITY OIL _____	BOTTOM HOLE TEMPERATURE <u>119°</u>					TOOL OPEN: 1ST FLOW	_____	HR. <u>30</u>	MIN. _____
LENGTH DRILL COLLAR _____	I.D. <u>✓</u>					INITIAL SHUT-IN	_____	HR. <u>30</u>	MIN. _____
LENGTH WEIGHT PIPE <u>575'</u>	I.D. <u>2.76</u>					2ND FLOW	_____	HR. <u>30</u>	MIN. _____
SUCCESSFUL TEST NO. <u>2</u>	MISRUN NO. <u>✓</u>					FINAL SHUT-IN	_____	HR. <u>30</u>	MIN. _____
CHOKES: TOP <u>1/2"</u>	BOTTOM <u>1/2"</u>					TOP RECORDER NO. <u>2162</u>	BOTTOM RECORDER NO. <u>4333</u>		

TYPE BLOW Weak blow for 16 mins.RECOVERY: 20' of mud w/slight show of oilEXTRA EQUIPMENT None

APPROVED BY: _____ THUNDERBIRD DRILLING, INC.

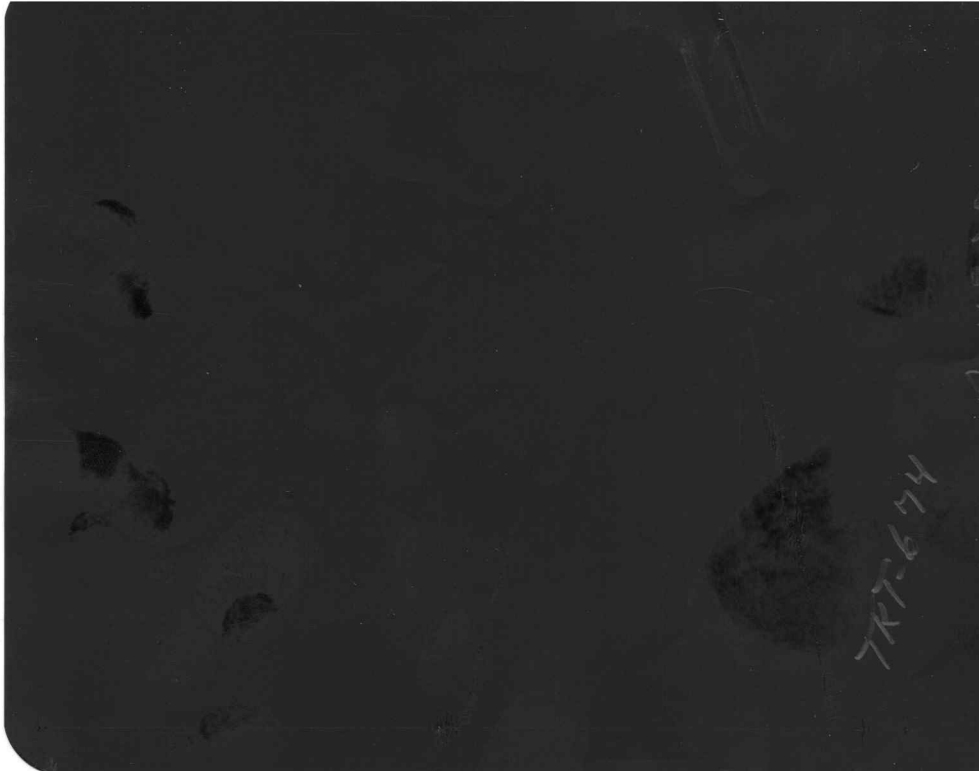
TESTER: Ed CookFORMATION TESTED Chert.

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>375.00</u>
EXTRA PACKERS	\$ <u>✓</u>
JARS	\$ <u>✓</u>
SAFETY JOINT	\$ <u>✓</u>
HOOK WALL	\$ <u>✓</u>
MISRUN CHARGE	\$ <u>✓</u>
STAND-BY CHARGE	\$ <u>✓</u>
DST EVALUATION	\$ <u>✓</u>
TOTAL	\$ <u>375.00</u>



TRT-694



TRT-694