

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company Thunderbird Drilling Inc.

Lease and Well No. Leiker # 3-A

County Ness State Kansas Date 8-23-72

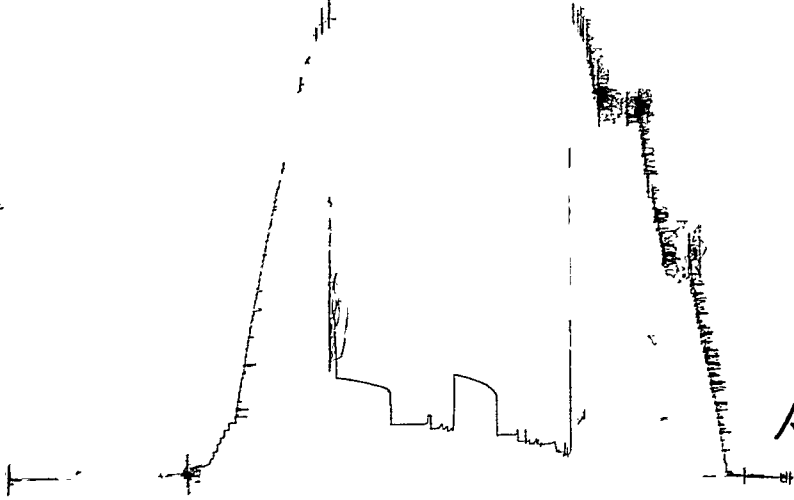
Formation Test No. 1 Total Depth 4110' Elev. _____
 Interval Tested 4056' To 4110' Anchor Length 54'
 Size Hole 7 7/8" Size Drill Pipe 4 1/2" FH Size Packer 6 3/4"
 Mud Weight 9.2 Viscosity 38 Water Loss 10.8 c.c. Bottom Hole Temp. 118 ° F
 Chokes: Top 1/2" Bottom 1/2" Ticket No. 224

RECOVERY

Blow: Fair irregular first opening. Good blow second opening
 Recovery: 2160' of gas
 390' of muddy gassy oil

Lease and Well No. LEIKER # 3-A Sec 13 Twn 18S Rg 24W

Formation Test No. 1



TKT-224

R-2164

34

Tool Open: 1st Flow hr. 45 mins: Shut-in Initial hr. 45 min: 2nd Flow hr. 45 min: Shut-in Final hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2049</u>	<u>2075</u>
(B) Initial 1st Flow Pressure	<u>69</u>	<u>87</u>
(C) Final 1st Flow Pressure	<u>173</u>	<u>173</u>
(D) Initial Shut-in Pressure	<u>450</u>	<u>450</u>
(E) Initial 2nd Flow Pressure	<u>190</u>	<u>199</u>
(F) Final 2nd Flow Pressure	<u>216</u>	<u>225</u>
(G) Final Shut-in Pressure	<u>433</u>	<u>436</u>
(H) Final Hydrostatic Pressure	<u>2032</u>	<u>2067</u>

Ticket # 224

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Company Thunderbird Drilling Inc.

Lease and Well No. Leiker # 3-A

County Ness State Kansas Date 8-24-72

Formation Test No. 2 Total Depth 4313' Elev. _____
Interval Tested 4286' To 4313' Anchor Length 27'
Size Hole 7 7/8" Size Drill Pipe 4 1/2" FH Size Packer 6 3/4"
Mud Weight 9.3 Viscosity 41 Water Loss 10.8 c.c. Bottom Hole Temp. 120 ° F
Chokes: Top 1/2" Bottom 1/2" Ticket No. 225

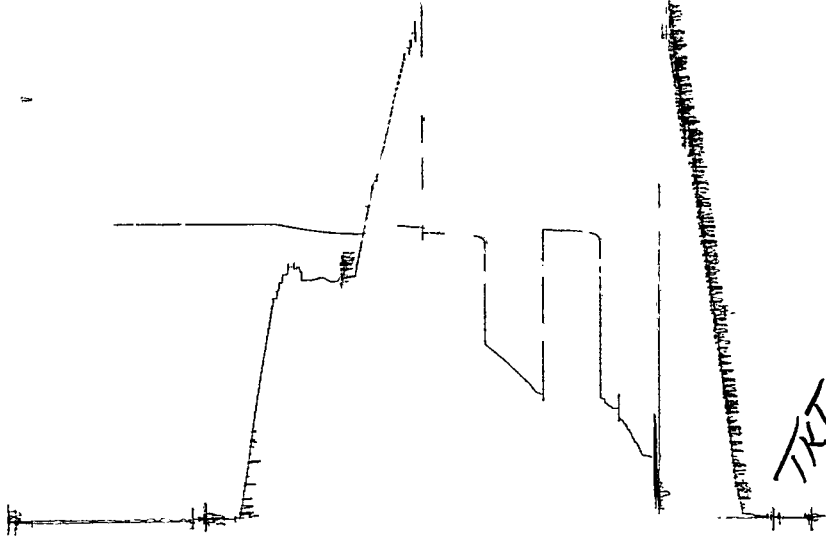
RECOVERY

Blow: Strong faint odor of gas to surface in 35 mins. of second opening.

Recovery: 2050' of oil

Lease and Well No. LEIKER # 3-A Sec 13 Twp 18-S Rg 24-W C NW NE Formation Test No. 2

TKT-225



Tool Open: 1st Flow hr. 45 mins: Shut-in Initial hr. 45 min: 2nd Flow hr. 45 min: Shut-in Final hr. 45 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>2242</u>	<u>2250</u>
(B) Initial 1st Flow Pressure	<u>87</u>	<u>87</u>
(C) Final 1st Flow Pressure	<u>536</u>	<u>545</u>
(D) Initial Shut-in Pressure	<u>1298</u>	<u>1298</u>
(E) Initial 2nd Flow Pressure	<u>554</u>	<u>559</u>
(F) Final 2nd Flow Pressure	<u>796</u>	<u>782</u>
(G) Final Shut-in Pressure	<u>1298</u>	<u>1289</u>
(H) Final Hydrostatic Pressure	<u>2224</u>	<u>2233</u>