

THUNDERBIRD DRLG., INC.

TESTING DIVISION

Box 18407

WICHITA, KANSAS

Company T-Bird

Lease and Well No. Lang #5

County Russell State Kansas Date 3-19-80

Formation Test No. 1 Total Depth 3348ft. Elev. _____

Interval Tested 3304ft. To 3348ft. Anchor Length 44ft.

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

Mud Weight 9.8 Viscosity 43 Water Loss 14.4 c.c. Bottom Hole Temp. 106 ° F

Chokes: Top 1/2 Bottom 1/2 Ticket No. 1011

RECOVERY

720ft. muddy gassy oil

Lease and Well No. Lang # 5 SW-NW-SE 30-15S-1aw Formation Test No. 1

COMPANY N.C.R.A. DATE 3-19-80
 LEASE Lang WELL NO. 5 TEST NO. 1 TICKET NO. 1011

	TIME	PSI
INITIAL HYDRO MUD PRESSURE		1801
INITIAL CLOSED IN PRESSURE	30 min	1028
INITIAL FLOW	15 min	120-157
FINAL FLOW	45 min	241-314
FINAL CLOSED IN PRESSURE	70 min	1028
FINAL HYDRO MUD PRESSURE		1778

TOTAL DEPTH 3348
 PACKER DEPTH 3304
 BT. NO. 4333 DEPTH 3310

1ST FLOW PRESSURE		INITIAL CIP		2ND FLOW PRESSURE		FINAL CIP	
	120		157		241	314	1028
	144		898		248	755	1028
	149		957		253	898	1028
	157		992		260	922	
			1016		265	1004	
			1028		272	1004	
			1028		277	1016	
					289	1016	
					301	1016	
					314	1016	
						1028	
						1028	
5min	MINUTE INTERVAL	5	MINUTE INTERVAL	5	MINUTE INTERVAL	5	MINUTE INTERVAL

REMARKS _____

SPECIAL PRESSURE DATA

Tool Open: 1st Flow hr. 15 mins: Shut-in Initial hr. 30 min: 2nd Flow hr. 45 min: Shut-in Final hr. 70 min.

	Field Reading	Corrected Reading
(A) Initial Hydrostatic Pressure	<u>1778</u>	<u>1801</u>
(B) Initial 1st Flow Pressure	<u>96</u>	<u>120</u>
(C) Final 1st Flow Pressure	<u>169</u>	<u>157</u>
(D) Initial Shut-in Pressure	<u>1051</u>	<u>1028</u>
(E) Initial 2nd Flow Pressure	<u>229</u>	<u>241</u>
(F) Final 2nd Flow Pressure	<u>301</u>	<u>314</u>
(G) Final Shut-in Pressure	<u>1039</u>	<u>1028</u>
(H) Final Hydrostatic Pressure	<u>1754</u>	<u>1778</u>

2162

1011

