

508 East Murgock  
Wichita, Kansas  
DEC 19 1970

# L. J. DREILING AND SONS, INC.

Victoria, Kansas 67671

31-9-24W  
NW NE NE

## WELL LOG

15-005-20380

Company **Thunderbird Drilling, Inc.**  
**4328 E. Kelllogg**  
**Wichita, Kansas 67202**

Sec. **31** Twp. **9** Rng. **24 W**

Farm **Dreiling A** No. **3**

Location **NW NE NE**

Total Depth **4124'**

County **Graham**

Comm. **10-17-70** Comp. **10-24-70**

Elevation: **2565'** K. B.

Contractor **L. J. Dreiling & Sons, Inc.**  
**Victoria, Kansas 67671**

**2562'** D. F.

**2560'** G. R.

### Casing Record

### Cement Record

Production: **52 BOPD NW**  
**LKC**

**266' - 8 5/8"**  
**4123' - 5 1/2"**

**160 sacks cement**  
**125 sacks cement**

### Figures Indicate Bottom of Formations

0'	160'	Top Soil, Sand & Clay
160'	170'	Hard Sand & Clay
170'	220'	Gravel
220'	266'	Blue Shale
266'	487'	Shale
487'	1610'	Shale
1610'	2225'	Shale
2225'	2265'	Anhydrite
2265'	2270'	Anhydrite
2270'	2680'	Shale
2680'	2873'	Shale
2873'	3030'	Shale & Lime
3030'	3227'	Lime & Shale
3227'	3380'	Shale & Lime
3380'	3505'	Shale & Lime
3505'	3718'	Shale & Lime
3718'	3850'	Shale & Lime
3850'	3925'	Lime
3925'	3945'	Lime
3945'	3985'	Lime
3985'	4044'	Lime
4044'	4082'	Lime
4082'	4124'	Lime
4124'	T.D.	

Log Taps  
Heebler 3855  
Toronto 3878  
LKC 3891  
B.K.C. 4120

Sample Taps

Anhydrite 2225  
Base " 2265

STATE OF KANSAS)  
                                  )ss  
COUNTY OF ELLIS)

I, Leo F. Dreiling, of the L. J. Dreiling & Sons, Inc., upon oath states that the above and foregoing is a true and correct copy of the well log.