

31-31-7W

**KANSAS GEOLOGICAL SOCIETY**  
**KANSAS WELL LOG BUREAU - KANSAS WELL SAMPLE BUREAU**  
**KANSAS GEOLOGICAL SOCIETY BUILDING**  
**505 EAST MURDOCK - WICHITA, KANSAS**

COMPANY **THUNDERBIRD DRILLING**

SEC. 31 T. 31. 7W  
 LOG. C SW NW

FARM **Miller "F"** NO. **1**

TOTAL DEPTH **4762'**

COMM. **8-2-68**

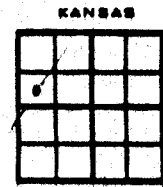
COMR. **8-12-68**

SHOT OR TREATED

CONTRACTOR **Sage Drigg**

ISSUED **10-5-68**

COUNTY **Harper**



CASING

20	10	
15	8	5/8" 209' cem w/ 150 sx
12	6	
13	5	

ELEVATION **1491' KB**

PRODUCTION **DRY/SIDP**

FIGURES INDICATE BOTTOM OF FORMATIONS

Surface Soil	0	75
Top Soil & Red Bed	75	209
Shale & Lime	209	1687
Lime & Shale	1687	1886
Shale & Lime	1886	2260
Lime & Shale	2260	2920
Shale & Lime	2920	3320
Lime & Shale	3320	3926
Lime	3926	4048
Lime & Shale	4048	4215
Shale & Lime	4215	4390
Mississippi Lime & Chert	4390	4420
Chert & Shale	4420	4590
Lime & Shale	4590	4762

D&A

I certify that this is a true and correct copy of the above log to the best of my knowledge.

TOPS: SMP	
Elgin	3115
Oread	3235
Heebner	3291
Toronto	3309
Douglas	3401
Brown lime	3546
Stalnaker	3559
Kansas City	3843
Base Kansas City	4072
Marmaton	4118
Cherokee	4228
Mississippi	4371

Kinderhook	4619
Chattanooga	4691
Viola	4720
Simpson shale	4749
Simpson Dolomite	4752
Simpson sand	4757
RTD	4762