

16-20-20W

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

COMPANY **CHIEF DRILLING**

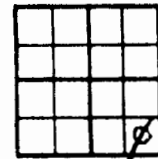
SEC. 16 T20 R. 20W
 LOC. C SE SE

FARM **Helms** NO. **1**

TOTAL DEPTH **4357'**
 COMM. **5-17-68**
 SHOT OR TREATED
 CONTRACTOR **Chief Drlg**
 ISSUED **7-20-68**

COMP. **5-30-68**

COUNTY **Pawnee**
KANSAS



CASING

20	10	
15	8	5/8" 221' cem w. 165 sx
12	6	
13	5	

ELEVATION **2195' KB**
 PRODUCTION **DRY/MISS**

FIGURES INDICATE BOTTOM OF FORMATIONS

Clay & Post Rock	0	45
Shale & Sand Streaks	45	505
Shale	505	750
Sand	750	975
Shale, Sand & Shells	975	1352
Anhydrite	1352	1379
Shale & Shells	1379	2070
Lime & Shale	2070	3050
Shale w/Lime Stringers	3050	3195
Shale & Lime	3195	3728
Lime	3728	3825
Lime & Chert	3825	3880
Lime	3880	3940
Lime & Shale	3940	4050
Lime, Shale & Chert	4050	4132
Lime & Shale	4132	4254
Shale, Lime & Sand	4254	4280
Shale	4280	4285
Mississippi Chat & Lime	4285	4326
Mississippi	4326	4357
Total Depth	4357	

2190 Gr.
 2192 D.F.
 2195 K.B.

FORMATION TOPS

<u>SAMPLE</u>	<u>LOG TOPS</u>
Anhydrite	1352
Heebner	3665
Lansing	3717
Base Kansas City	4027
Cherokee Sand	4247
Mississippi	4283
Gilmore City	4340
Total Depth	4357

STATE OF KANSAS, COUNTY OF BARTON) SS

I hereby certify that the above is a true and correct copy of the Driller's Log of the well drilled in the SE SE Section 16-20S-20W, Pawnee County, Kansas, to the best of my knowledge and belief.

CHIEF DRILLING CO., INC.

Thomas G. Wesselowski
 Thomas G. Wesselowski

Subscribed and sworn to before me this 27th day of May, 1968.

Carmen R. Cook
 Carmen R. Cook, Notary Public



Commission expires: Dec. 12, 1970.