

15051-02846-0000

CONTRACTOR'S WELL LOG

COMPANY: Musgrove Petroleum Corporation  
 CONTRACTOR: Musgrove Petroleum Corporation  
 FARM: RIEDEL #6  
 LOCATION: SE SW SW, Section 31-13-19W  
 Ellis County, Kansas  
 COMMENCED: August 30, 1957  
 COMPLETED: September 12, 1957

|      |      |                         |
|------|------|-------------------------|
| 0    | 585  | Shale & lime shells     |
| 585  | 1005 | Shale                   |
| 1005 | 1559 | Red bed, shale & shells |
| 1559 | 1620 | Lime                    |
| 1620 | 2015 | Lime & shale            |
| 2015 | 2147 | Shale & lime shells     |
| 2147 | 2270 | Lime & shale            |
| 2270 | 2429 | Lime                    |
| 2429 | 2560 | Shale & lime            |
| 2560 | 2666 | Lime                    |
| 2666 | 3244 | Shale & lime            |
| 3244 | 3417 | Lime                    |
| 3417 | 3486 | Lime & shale            |
| 3486 | 3935 | Lime                    |
| 3935 | 4020 | Lime & chert            |
| 4020 | 4050 | Lime                    |
| 4050 | 4108 | Lime & chert            |
| 4108 | 4124 | Lime                    |
| 4124 | 4136 | Lime & chert            |
| 4136 | 4147 | Lime, chert & granite   |
|      | 4147 | Rotary Total Depth      |

Set 8-5/8" surface at 258' w/150 sx cement, 2% calcium chloride.

Set 5-1/5" casing at 3952' w/150 sx common cement. Set D-V tool at 1554' w/100 cu. ft. Stratacrete w/2% Jel and 400 sx Posmix.

|              |       |         |              |       |         |
|--------------|-------|---------|--------------|-------|---------|
| ELEVATION:   | 2261' | K. B.   | Base K. C.   | 3793' | (-1532) |
| TOPS: Topeka | 3294' | (-1033) | Conglomerate | 3840' | (-1579) |
| Heebner      | 3513' | (-1252) | Simpson      | 3879' | (-1618) |
| Toronto      | 3534' | (-1273) | Arbuckle     | 3891' | (-1630) |
| Lans./KC     | 3554' | (-1293) | Granite Wash | 4133' | (-1872) |

STATE OF KANSAS )  
 ) SS  
 COUNTY OF SEDGWICK )

I, EMIL E. BOWERS, do hereby certify that the above and foregoing is a true and correct copy of the log of the RIEDEL #6, SE SW SW, Section 31-13-19W, Ellis County, Kansas, as reflected by the files of the Musgrove Petroleum Corporation.

MUSGROVE PETROLEUM CORPORATION

BY Emil E. Bowers  
 Secretary-Treasurer

Subscribed and sworn to before me, a Notary Public, in and for Sedgwick County, Kansas, this 17th day of September, 1957.

Leah Jaye Hecke  
 Notary Public

RECEIVED  
 STATE CORPORATION COMMISSION

My commission expires June 16, 1959.

APR 06 1994

CONSERVATION DIVISION  
 Wichita, Kansas