

KANSAS GEOLOGICAL SOCIETY  
508 East Murdock  
Wichita, Kansas

MAY 22 1971

29-33-12W  
C 71W SW

Elev. 1498' KB

Dry/miss

ROTARY DRILLING LOG

Operator: Patton Oil Co.  
SMITH #1  
C NW SW Section 29-33S-12W  
Barber County, Kansas

Contractor: Rains & Williamson  
Oil Co., Inc.

Commenced: 3-3-71  
Completed: 3-23-71

Casing: 8-5/8"/208'/125 sacks

Formations

|                   |       |
|-------------------|-------|
| Cement            | 210'  |
| Red Bed and Shale | 800'  |
| Shale             | 1665' |
| Shale and Lime    | 1858' |
| Lime and Shale    | 2845' |
| Shale and Lime    | 3060' |
| Lime and Shale    | 3385' |
| Shale and Lime    | 3625' |
| Lime and Shale    | 3884' |
| Lime              | 4550' |

Log Legs

|            |      |
|------------|------|
| Keelbner   | 3694 |
| Douglas sh | 3782 |
| Lansing    | 3865 |
| BKC        | 4349 |
| miss. Cht  | 4489 |
| " Ls       | 4514 |

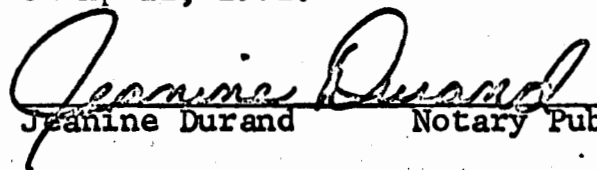
Rotary Total Depth 4550'

We certify the above log is true and correct, to the best of our knowledge and belief.

RAINS & WILLIAMSON OIL CO., INC.

  
Wilson Rains

Subscribed and sworn to me, a Notary Public, within and for the State of Kansas, County of Sedgwick, this 1 day of April, 1971.

  
Jeanine Durand Notary Public



My Commission Expires: 3-31-74