

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

4-31-21W

COMPANY MULL DRILLING

SEC. 4 T. 31 R. 21W

FARM Strodtman

NO. 1

LOC. C SE SE

TOTAL DEPTH 5238'

COMM. 1-26-68

COMP. 2-9-68

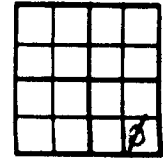
SHOT OR TREATED

CONTRACTOR Rains & Williamson

ISSUED 3-16-68

COUNTY Clark

KANSAS



CASING

|    |    |                         |
|----|----|-------------------------|
| 20 | 10 |                         |
| 15 | 8  | 5/8" 359' cem w/ 225 sx |
| 12 | 6  |                         |
| 13 | 5  |                         |

ELEVATION 2230' KB

PRODUCTION DRY/MISS

FIGURES INDICATE BOTTOM OF FORMATIONS

|                                      |       |                  |      |
|--------------------------------------|-------|------------------|------|
| Surface Clay and Sand                | 45'   | TOPS: SMP        |      |
| Sand                                 | 65'   | Anhydrite        | 1208 |
| Shale and Red Bed                    | 110'  | Base Anhydrite   | 1242 |
| Sand                                 | 135'  | Tarkio           | 3581 |
| Shale and Red Bed                    | 320'  | Heebner          | 4292 |
| Shale                                | 358'  | Brown lime       | 4468 |
| Anhydrite (Blaine)                   | 392'  | Lansing          | 4492 |
| Shale                                | 600'  | Marker           | 4871 |
| Shale and Red Bed                    | 1208' | Base Kansas City | 4936 |
| Anhydrite                            | 1242' | Black shale      | 5024 |
| Shale and Shells                     | 2243' | Mississippi      | 5180 |
| Lime and Shale                       | 3010' | RTD              | 5238 |
| Shale and Lime                       | 4490' |                  |      |
| Lime and Shale                       | 4570' |                  |      |
| Lime                                 | 5020' |                  |      |
| Lime and Chert                       | 5115' |                  |      |
| Lime                                 | 5238' |                  |      |
| <br>Rotary Total Depth (D & A) 5238' |       |                  |      |

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 before me, a Notary Public within and for the State of Kansas, County of Sedgwick, this 12th day of February, 1968.

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 Sherry Gresh