

32-31-13W

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

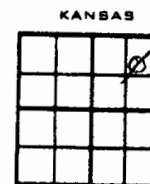
COMPANY **LARIO OIL & GAS CO.**

SEC. 32 T. 31 R. 13W  
 LOC. SW NE NE

FARM **Brooks "A"** NO. 1

TOTAL DEPTH **3715'**  
 COMM. **7-26-66** COMP. **8-10-66**  
 SHOT OR TREATED  
 CONTRACTOR **Hellar Drlg. Co., Inc.**  
 ISSUED **10-15-66**

COUNTY **Barber**



CASING

|    |       |                    |
|----|-------|--------------------|
| 20 | 10    |                    |
| 15 | 8 5/8 | 315' w/300 sx cem. |
| 12 | 6     |                    |
| 13 | 5     |                    |

ELEVATION **1613' K.B.**

PRODUCTION **DRY (Doug sd)**

FIGURES INDICATE BOTTOM OF FORMATIONS

|           |                             |                    |
|-----------|-----------------------------|--------------------|
| 0-320     | Shale & Red Bed             | TOPS: SCOUT SAMPLE |
| 320-483   | Red Bed                     | Heebner 3621       |
| 483-1000  | Red Bed & Shells            | Toronto 3636       |
| 1000-1390 | Shale & Shells              | Douglas 3659       |
| 1390-1810 | Salt Section                | Douglas sand 3695  |
| 1810-1910 | Lime & Shale & Salt Section |                    |
| 1910-2101 | Ft. Riley - Cherty lime     |                    |
| 2101-2340 | Lime & Shale                |                    |
| 2340-2508 | Shale & Lime                |                    |
| 2508-2626 | Lime & Shale                |                    |
| 2626-2984 | Shale & Lime                |                    |
| 2984-3434 | Lime & Shale                |                    |
| 3434-3543 | Shale & Lime                |                    |
| 3543-3595 | Shale & w/Lime Streaks      |                    |
| 3595-3609 | Lime & Shale                |                    |
| 3609-3648 | Shale & Lime                |                    |
| 3648-3715 | Shale & Sand                |                    |
| 3715      | Rotary Total Depth          |                    |

D & A

STATE OF KANSAS )  
 ) SS  
 COUNTY OF SEDGWICK )

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #1 Brooks 'A', located in SW NE NE Sec. 32-31S-13W, Barber County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

By *D. L. Hellar*  
 President **D. L. Hellar**