

## 5

 Frances O. Erhard  
NOTARY PUBLIC  
State of Kansas  
MY APPT. EXPIRES 1-14-1990

Sec. 18. Twp. 18. Rge 17. W.

CONFIDENTIAL

15-165-21445-0000

SIDE TWO

Operator Name ..... J. A. ALLISON ..... Lease Name ..... Well #.....

Sec.....18..... Twp.....18S..... Rge.....17..... ☐ East ☒ West County..... RUSH ..... MAY 0 8 1990

WELL LOG

FROM CONFIDENTIAL

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log. (no log run)

Drill Stem Tests Taken ☐ Yes ☒ No  
Samples Sent to Geological Survey ☒ Yes ☐ No  
Cores Taken ☐ Yes ☒ No

Formation Description  
☐ Log ☒ Sample

"DRILLERS LOGS"

0 - 70' Post Rock  
70 - 554' Shale  
554 - 1176' D. Sand  
1176 - 1201' Anhydrite  
1201 - 2070' Shale  
2070 - 2375' Shale & lime  
2375 - 3318' Lime & shale  
3318 - 3843' Lime  
3843 - 3875' Arbuckle  
3875' RTD

| Name             | Top  | Bottom |
|------------------|------|--------|
| Anhydrite        | 1173 | + 855  |
| Heebner          | 3382 | -1354  |
| Toronto          | 3397 | -1369  |
| Lansing          | 3435 | -1407  |
| Base Kansas City | 3697 | -1669  |
| Conglomerate     | 3767 | -1739  |
| Arbuckle         | 3843 | -1815  |
| RTD              | 3875 | -1847  |

| CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used |                   |                           |                |               |                |             |                            |
|-------------------------------------------------------------------------------------|-------------------|---------------------------|----------------|---------------|----------------|-------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc.           |                   |                           |                |               |                |             |                            |
| Purpose of String                                                                   | Size Hole Drilled | Size Casing Set (in O.D.) | Weight Lbs/Ft. | Setting Depth | Type of Cement | #Sacks Used | Type and Percent Additives |
| Surface                                                                             | 12 1/4"           | 8 5/8"                    | 25#            | 1180'         | Poz-Mix 60/40  | 400         | 3% CC. + 2% Gel            |

| PERFORATION RECORD |                                             | Acid, Fracture, Shot, Cement Squeeze Record |       |
|--------------------|---------------------------------------------|---------------------------------------------|-------|
| Shots Per Foot     | Specify Footage of Each Interval Perforated | (Amount and Kind of Material Used)          | Depth |
|                    |                                             |                                             |       |
|                    |                                             |                                             |       |
|                    |                                             |                                             |       |
|                    |                                             |                                             |       |

| TUBING RECORD |        | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |  |
|---------------|--------|--------------------------------------------------------------------|--|
| Size          | Set At | Packer at                                                          |  |
|               |        |                                                                    |  |

| Date of First Production | Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... |  |  |  |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|                          |                                                                                                                                                                    |  |  |  |

| Estimated Production Per 24 Hours | Oil Bbls | Gas MCF | Water Bbls | Gas-Oil Ratio | Gravity |
|-----------------------------------|----------|---------|------------|---------------|---------|
|                                   |          |         |            |               |         |

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☐ Perforation  
☐ Sold ☐ Other (Specify) .....  
☐ Used on Lease ☐ Dually Completed .....  
☐ Commingled

