



Operator Name **R. P. NIXON OPER** Lease Name **GRAU B...** Well # **...4...** SEC. **35** TWP. **3** RGE. **19**  East  West

WELL LOG

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.

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

Formation Description  
 Log  Sample

| Name       | Top   | Bottom  |
|------------|-------|---------|
| HEEBNER    | 3178' |         |
| TORONTO    | 3202' |         |
| LANSING    | 3218' | (1149') |
| BASE OF KC | 3420' |         |
| ARBUCKLE   | 3568' | (1499') |

| 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   |  | 8. 5/8"                   |                | 311'   |                | 175'        |                            |
| PRODUCTION  | 7. 7/8"  | 4. 1/2"                   | 9.5#           | 3527'  | ASC            | 125'        |                            |
| PERFORATION RECORD  |  |                           |                | Acid, Fracture, Shot, Cement Squeeze Record                        |                |             |                            |
| Shots Per Foot  | Specify Footage of Each Interval Perforated  |                           |                | (Amount and Kind of Material Used)                                 |                | Depth       |                            |
| LF  | 3390'-3414'  |                           |                | 2000 gal. 28% non-F. acid perfs.                                   |                |             |                            |
| LE  | 3257', 3300', and 3315'  |                           |                | 3000 gal. 28% non-F. acid perfs.                                   |                |             |                            |
| TUBING RECORD   |  |                           |                | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No |                |             |                            |
| Date of First Production  | Producing Method   |                           |                |  |                |             |                            |
| 10-28-84  | <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... |                           |                |  |                |             |                            |
| Estimated Production Per 24 Hours   | Oil  | Gas                       | Water          | Gas-Oil Ratio  |                | Gravity     |                            |
|   | 10 Bbls  | MCF                       | 38 Bbls        | CFPB   |                | 32.4        |                            |

METHOD OF COMPLETION

Production Interval

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