

OPERATOR: Graves Drilling Co., Inc. DRILLING COMMENCED: January 25, 1979  
910 Union Center  
Wichita, Kansas 67202

CONTRACTOR: Graves Drilling Co., Inc. DRILLING COMPLETED: February 2, 1979  
910 Union Center  
Wichita, Kansas 67202

CASING RECORD: 5 Jts. 233' of used 8-5/8" cemented with 185 sacks  
113 Jts. 4528' of new 4-1/2" cemented with 75 sacks

LOCATION: VERDIE NO. 1  
C W/2 SW/4 SE/4  
Section 20-32S-12W  
Barber County, Kansas

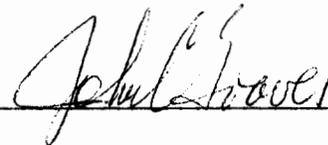
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|      |   |      |                      |
|------|---|------|----------------------|
| 0    | - | 233  | Red Rock and Red Bed |
| 233  | - | 528  | Red Rock and Shale   |
| 528  | - | 1258 | Red Bed and Shale    |
| 1258 | - | 2015 | Shale and Lime       |
| 2015 | - | 2221 | Lime                 |
| 2221 | - | 4268 | Shale and Lime       |
| 4268 | - | 4352 | Lime and Shale       |
| 4352 | - | 4530 | Shale and Lime       |
|      |   | 4530 | Rotary Total Depth   |

I hereby certify the foregoing statements to be true and correct to the best of my knowledge.

GRAVES DRILLING CO., INC.

By



President