

# DRILLERS' LOG

SUN OIL COMPANY  
G. E. Brown No. 3  
W/2 W/2 SW/4  
Sec. 2, Twp. 34S, Rge. 5E  
Cowley County, Kansas

DRL  
10-30-07

| FORMATION             | FROM | TO   |                                |
|-----------------------|------|------|--------------------------------|
| Red bed & lime        | 0    | 335  | Elev. DF 1174'; Ord. 1172'     |
| Lime and shells       | 335  | 490  |                                |
| Shale and lime        | 490  | 1815 | Drilling Commenced 11-22-56    |
| Sdy. shale & lime     | 1815 | 1950 | Drilling Completed 12- 6-56    |
| Shale                 | 1950 | 2010 | Date First Production 12- 9-56 |
| Lime and shale        | 2010 | 2100 |                                |
| Shale and lime        | 2100 | 2300 |                                |
| Sand (Layton)         | 2300 | 2408 |                                |
| Sdy. shale            | 2408 | 2469 |                                |
| Lime (Kans. City)     | 2469 | 2589 |                                |
| Lime (Checkerboard)   | 2589 | 2607 |                                |
| Shale & sdy. shale    | 2607 | 2685 |                                |
| Lime (Marmaton)       | 2685 | 2786 |                                |
| Lime (Oswego) stained | 2786 | 2808 |                                |
| Shale, sdy. shale     |      | 3000 |                                |
| (Cherokee)            | 2808 | 3000 |                                |
| Shaly sand            | 3000 | 3010 |                                |
| Shale, sdy. shale     | 3010 | 3062 |                                |
| Conglomerate (Miss.)  | 3062 | 3066 |                                |
| Chat, no show         | 3066 | 3072 |                                |
| Chat (stain & odor)   | 3072 | 3092 |                                |
| Chat, no show         | 3092 | 3094 |                                |
| Chert                 | 3094 | 3096 |                                |
|                       |      | T.D. |                                |

## CASINO RECORD

8-5/8" OD set at 95', cemented with  
90 sax regular. Circulated.

5 1/2" OD 14# SS set at 3069.75'  
cemented 125 sax.  
Top cement 2430'.

Casing set in top of Mississippi  
Chat and drilled in with cable  
tools 3072'-3096'.

I hereby certify that the foregoing is a true and correct copy of the  
Brown No. 3 well log as recorded on the books of Sun Oil Company, Tulsa,  
Oklahoma.

*J. W. Strickland*  
J. W. Strickland

STATE OF OKLAHOMA )  
COUNTY OF TULSA )

Subscribed and sworn to before me this 28 day of December, 1956.

*Thane*  
Notary public

My Commission Expires:

5-9-59

RECEIVED  
NOV 21 2006  
KCC WICHITA

RECEIVED  
NOV 16 2006  
KCC WICHITA