

*State Geological Survey*

WICHITA BRANCH

DRILLERS LOG

15-167-21024

27-13-14W  
C W/2 SW SW

OPERATOR: American Petrofina Company of Texas  
4613 Jacksboro Highway  
Wichita Falls, Texas 76302

LEASE: Shaffer No. 10 SWD  
C W/2 SW SW Sec. 27-13S-14W  
Russell County, Kansas

CONTRACTOR: Slawson Drilling Company, Inc.  
408 One Twenty Building  
Wichita, Kansas 67202

COMMENCED: 3-25-77

COMPLETED: 4-5-77

RTD: 3600'

CASING: 277.91' of used 8-5/8 set at 286' with 180 sx cement

OIL STRING: Used 5 $\frac{1}{2}$ " set at 3558' with 500 sx cement.

0' to 60' Shale, Postrock  
60' to 75' Shale Postrock  
75-292' Shale (292' 12 $\frac{1}{4}$ " Surface Hole)  
292' to 349' Shale  
349' to 410' Sand & Pyrite  
410' to 690' Shale & Red Bed  
690' to 1278' Shale (881- to 913' Anhydrite)  
1278' to 1668' Shale  
1668' to 1950' Shale & Lime & Shale  
1950' to 2141' Lime and shale  
2141' to 2291' Shale & Lime  
2291' to 2446' Shale & Lime  
2446' to 2721' Lime & Shale  
2721' to 2843' Lime  
2843' to 3035' Lime & Shale  
3035' to 3050' Lime  
3050' to 3277' Lime  
3277' to 3333' Arbuckle  
3333' to 3530' Lime  
3530' to 3600' Granite Wash  
3600' RTD