

# Sterling Drilling Company, Rig #4

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## SAMPLE LOG

Fair 'B' 1-10

**LOCATION:** 70'N of Ne Se Ne Section 10 T 21s R 11w  
**API:** 15-185-230870000 Stafford County, Kansas

**OWNER:** F.G. Holl Company, L.L.C.  
**CONTRACTOR:** Sterling Drilling Company, Rig #4

**COMMENCED:** 15-Jun-99  
**COMPLETED:** 24-Jun-99

**TOTAL DEPTH:** **DRILLER** 3475 FEET  
**LOGGER** 3475 FEET

**Ground Elevation:** 1751  
**KB Elevation:** 1760

### LOG

0 - 172 FEET Top Soil and Sand  
172 - 462 FEET Shale  
462 - 486 FEET Anhydrite  
486 - 3475 FEET Limestone, Shale and Dolomite

|               |                                   |                   |
|---------------|-----------------------------------|-------------------|
| <b>Cored:</b> | 240' to 258' (18') Full Recovery. |                   |
|               | 302' to 321' (19') Full Recovery. |                   |
|               | 321' to 340' (19') Recovered 16'. | (Cored 74' Total) |
|               | 347' to 365' (18') Recovered 16'. |                   |

### CASING RECORDS

#### Surface Casing:

Spud @ 9:30 am on 06-15-99. Drilled 12-1/4" hole to 225'. Ran 5 joints of new 24# 8-5/8" surface casing 210.89' set at 222' KB. Cemented with 225 sacks 60/40 Poz, 2% Gel, 3% CC. Plug down at 2:15 pm on 06-15-99 by Acid Services. Good returns. Ticket # 01415.

#### Production Casing:

Ran 83 jts of New 5-1/2" 14# casing. Tallied 3473.99', set at 3473' KB. Cemented with 75 sacks lite and 175 sacks 50/50 Poz, 2% Gel, 5# Gil, 10% Salt, .5% Fla, 1/4# Flocele. Plug down at 11:45 am on 06-24-99 by Acid Services, ticket # 01421. Plugged rathole with 15 sacks, mousehole with 10 sacks.

### DEVIATION SURVEYS

1/2 degree(s) at 225 feet  
3/4 degree(s) at 2709 feet  
1 degree(s) at 3135 feet