

STERLING DRILLING CO.

BOX 129

STERLING, KANSAS 67579

WELL LOG ----- JOHNSON #3-5
Located: C NW SE, Section 5-24S-17W, Edwards County,
Kansas

OWNER: F. G. Holl

ROTARY DRILLING CONTRACTOR; Sterling Drilling Company

COMMENCED: November 29, 1984

COMPLETED: December 5, 1984

TOTAL DEPTH: 4474'

LOG

0 - 80 Surface Soil and Sand
80 - 250 Red Bed, Clay, Shale
250 - 354 Shale
354 - 1170 Shale, Sand, Red Bed
1170 - 1190 Anhydrite
1190 - 1903 Shale, Lime Stringers
1903 - 4373 Lime and Shale
4373 - 4383 Kinderhook Shale
4383 - 4474 Lime and Shale

CASING RECORD

Ran 8 joints new 8 5/8", 23# casing.
339.34' pipe set at 251' K.B.
Cemented with 235 sacks 60/40 Pozmix
plug 3% cc. Plug down at 6:00 PM,
11-29-84, by Howco.

Ran 109 joints 4 1/2", 10.5# casing.
11 joints were used. 4445.58' pipe
set at 4455' K.B. Cemented with 100
sacks Lite, 125 sacks 50/50 Pozmix,
plus our regular flush ahead and
additives. Plugged rathole and water
well. Plug down at 10:40 PM, 12-5-84,
by Howco.

Deviation Surveys: 3/4° at 2154'
1° at 4338'