

Sterling Drilling Company, Rig #1

Box 1006, Pratt, Kansas 67124-1006
Office Phone (620) 672-9508, Fax 672-9509

SAMPLE LOG

Anshutz 'A' 1-16

LOCATION: 160' S of Ne Ne Nw
API: 15-185-23199-0000

Section 16 T 21s R 14w
Stafford County, Kansas

OWNER: F.G. Holl Company, L.L.C.
CONTRACTOR: Sterling Drilling Company, Rig #1

COMMENCED: 10-Sep-03
COMPLETED: 22-Sep-03

TOTAL DEPTH: **DRILLER** 3820 FEET
LOGGER 3794 at 3795 FEET

Ground Elevation: 1930
KB Elevation: 1939

LOG

0 -	3 FEET	Top Soil
3 -	23 FEET	Clay
23 -	30 FEET	Fine Sand
30 -	68 FEET	Sand and Gravel
68 -	316 FEET	Sand and Clay
316 -	853 FEET	Redbeds
853 -	873 FEET	Anhydrite (Driller)
873 -	1810 FEET	Shales and Salt
1810 -	3705 FEET	Limestone, Shale and Dolomite
3705 -	3820 FEET	Arbuckle

CASING RECORDS

Surface Casing-8-5/8"

Spud at 9:30 am, 09/10/03. Drilled 12-1/4" hole to 853'. Ran 19 joints of new 23# 8-5/8" surface casing. Tallied 857' set at 853' KB. Cemented with 210sx A-Con; 3% CC, 1/4#/sx Celloflake and 125 sx Common; 3% CC, 2% Gel and 1/4#/sx Celloflake. Plug down at 12:15 am 09/11/03. Acid Services ticket# 7035. Cement did circulate. Strapped bottom 3 joints, welded collars on remaining 16 joints of SP.

Production casing:

Ran 93 joints used 5-1/2" casing, tallied 3805', set at 3805' KB. Cemented with 25 sx A-Serv Lite and 150 sx 50/50 Poz (FG Holl Blend). Plug down at 4:15 pm on 09/22/03. Plugged rathole with 25sx 50/50 Poz, no mousehole. Acid Services ticket #7041. KCC notified on 09/23/03.

DEVIATION SURVEYS

3/4	degree(s) at	853	feet
1/4	degree(s) at	1871	feet
1/2	degree(s) at	2654	feet
1/4	degree(s) at	3530	feet
1	degree(s) at	3795	feet