STERLING DRILLING CO.

BOX 129

STERLING, KANSAS 67579

WELL LOG - - - - - - - - - - - - - - - - SMITH ESTATE B-4 Located: 330' FNL; 2300' FEL, NE/4, Section 21-21S-11W, Stafford County, Kansas

OWNER: F. G. Holl

ROTARY DRILLING CONTRACTOR: Sterling Drilling Company

COMMENCED: July 26, 1983 COMPLETED: August 1, 1983

TOTAL DEPTH: 3480'

LOG		CASING RECORD
0 - 125	Sand and Clay	Ran 7 joints 8 5/8" casing. 293.81' pipe set at 305' K.B. Cemented with 235 sacks 60/40 Pozmix, 2% gel and 3% cc. Plug down at 8:30 PM, 7-26-83, by Howco.
125 - 309	Red Shale	
309 - 1351	Shale	
1351 - 3480	Lime and Shale	Ran 86 joints 4 1/2", 10.5# casing. 3469.36' pipe set at 3479' K.B. Cemented with 150 sacks F. G. Holl Mix. Plug down at 3:45 PM, 8-1-83, by Howco.

Deviation Surveys: 3/4° at 1668' 2° at 3145'

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RECEIVED

(ANSAS CORPORATION COMMISSION

JUN 05 2008