

CHIEF DRILLING CO., INC.
905 Century Plaza
Wichita, Kansas 67202

Roth A #1
NE SE NE Sec. 36-13S-17W
Ellis Co., Ks.

CONTRACTOR: Warrior Drilling, Inc.

COMMENCED: 2-22-82

CASING RECORD: Ran 5 jts., new 8 5/8" 20# casing

COMPLETED: 3-1-82

198' set @ 206' K.B. cemented w/145 sx. common 2 % gel
3% c.c. Plug down @ 9:40 p.m.

FORMATION	FROM	TO	ELEVATIONS
Surface Sand & Clay	0	210	1989 Gr.
Clay & Sand	210	650	1991 D.F.
Sand & Shale	650	1110	1994 K.B.
Anhydrite	1144	1181	
Shale	1181	2740	
Shale & Lime	2740	3260	
Shale	3260	3334	
Lime & Shale	3334	3372	
Shale & Lime	3372	3463	
Lime	3463	3534	
RTD	3534		

82 jts. new 4 1/2" 10.5# casing

RECEIVED
STATE CORPORATION COMMISSION
MAR 5 1982
CONSERVATION DIVISION
Wichita, Kansas

STATE OF KANSAS, COUNTY OF SEDGWICK) ss:

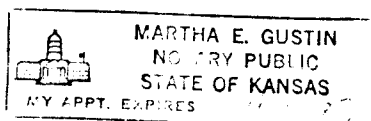
I hereby certify that the above is a true and correct copy of the
Driller's Log of the well drilled in the NE SE NE SEC. 36-13S-17W
Ellis County, Kansas, to the best
of my knowledge and belief.

CHIEF DRILLING CO., INC.

F. W. Shelton, Jr.

F. W. Shelton, Jr., Vice President

Subscribed and sworn to before me this 3rd day of March.



Martha E. Gustin
Martha E. Gustin Notary Public