API No. 15-077,20,767

KANSAS DRILLERS LOG

Kansas Geological Survey
WICHITA BRANCH
SEP

COMPANY Mr. Bill Dutton

FARM Heath NO. 4

SEC. 7 T. 32S R. 9W
LOC. 850' EWL & 330' NSL of NE/4

COUNTY Harper

ROTARY TOTAL DEPTH 4430'
COMM. December 19, 1981 COMP. December 30, 1981
CONTRACTOR H-30, INC. (Rig No. 77)
ISSUED January 7, 1982

CASING

10 3/4"
8 5/8" - Set at 291' cemented w/225 sxs cement
5 1/2" - Set at 4429' cemented w/125 sxs cement
4 1/2"

ELEVATION

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed	310'
Red Bed and Shale	1562'
Shale	1702'
Shale and Anhydrite	2006'
Shale	2545'
Shale and Lime	2942'
Lime and Shale	4070'
Lime	4172'
Lime and Shale	4265'
Lime	4430'
Rotary Total Depth	4430'

I hereby certify the above and foregoing to be a true and correct log of the above described well as shown by the drilling reports.

H-30, INC.

Diane Rebstock
Diane Rebstock

State of Kansas)
) ss:
County of Sedgwick)

Subscribed and Sworn to before me, a Notary Public, in and for said county and state this 7th day of January, 1982.

My Commission Expires: May 12, 1984

COLEEN S [illegible]
Sedgwick County, KS