

15-023-20031
31-4-41W

State Geological Survey
WICHITA BRANCH

STERLING DRILLING COMPANY
P. O. Box 129
Sterling, Kansas 67579

WELL LOG ----- O'BRIEN #1-31
Located: C NW, Section 31-4S-41W, Cheyenne County, Kansas

OWNER: Kansas-Nebraska Natural Gas Company, Inc.
ROTARY DRILLING CONTRACTOR: Sterling Drilling Company

COMMENCED: November 30, 1976
COMPLETED: December 4, 1976

TOTAL DEPTH: 1539'

<u>LOG</u>	<u>CASING RECORD</u>
0 - 320 Clay and Sand	Ran 301' 7" pipe set at G.L. with 75 sacks 50/50 Pozmix with 3% cc, 2% gel. Plug down at 5:25 PM, 11-30-76.
320 - 1539' Shale	Ran 46 joints new 4 1/2" casing, 1501.23' set at 1500' G.L. Cemented with 50 sacks 50/50 Pozmix. Plug down at 12:45 AM, 12-4-76.

31-4-41-w

KANSAS NEBRASKA NATURAL GAS COMPANY, INC.

**12055 WEST SECOND PLACE
POST OFFICE BOX 15265
LAKEWOOD, COLORADO 80215**

TELEPHONE: (303) 989-1740

October 6, 1977

Kansas Geological Survey
4150 Monroe
Wichita, Kansas 67209

Re: O'Brien #1-31
31-4S-41W-C NW
Cheyenne County, Kansas

Gentlemen:

In regards to your letter dated August 17, 1977, which was received in this office October 3, 1977.

We have enclosed herewith the copy of the Drillers Log which was furnished us by the drilling contractor, Sterling Drilling Company. We have also enclosed one copy each of the Dual Induction - Laterlog, and the Compensated Neutron-Formation Density.

We regret to advise you that samples were not retained for this well.

Yours very truly,

K. L. Dominy
K. L. Dominy
Manager - Drilling and Production

KLD/amp

Enc.