

June 28, 1977

DRILLERS LOG

15-063-20349
4-15-29W

#1 LUNDGREN
C N/2 NW/4 Sec. 4-15S-29W
Gove County, Kansas

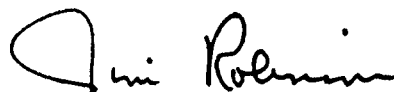
OPERATOR: Associates Oil & Gas, Inc.
CONTRACTOR: Chief Drilling Co., Inc.
COMMENCED: June 14, 1977
COMPLETED: June 24, 1977

8 5/8" @ 250' w/150 sx

0	255	Surface clay
255	2089	Sand & Shale
2089	2405	Shale
2405	2590	Sand & Shale
2590	3703	Shale
3703	3784	Lime & Shale
3784	4315	Lime
4315		RTD

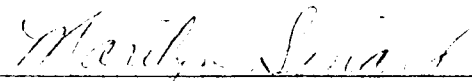
We certify that the above and foregoing is a true and correct copy of the log on the #1 Lundgren located in Gove County, Kansas.

CHIEF DRILLING CO., INC.


Jim Robinson, Vice President

Subscribed and sworn to before me this 28th day of June, 1977.

MARILYN SINARD
STATE NOTARY PUBLIC
SEDGWICK COUNTY, KANSAS
MY COMM. EXP. APR. 30, 1979


Marilyn Sinard Notary Public