

ENCILED

36-32-12W

NOV 30 1968

DRILLER'S LOG

COMPANY: Sioux Petroleum Co., Drawer 270, Medicine Lodge, Ks. 67104  
CONTRACTOR: Hellar Drilling Company, Inc., Wichita, Kansas  
LEASE: #3 MacGregor  
LOCATION: NE NE NE 36-32S-12W, Barber County, Kansas  
COMMENCED: July 10, 1968  
COMPLETED: July 19, 1968  
CASING: Set 8 5/8" Surface Casing @ 219'/210 Sacks Cement  
Set 4 1/2" Casing @ 3721'/150 Sacks Cement

0-220	Surface soil & sand
220-980	Shale & Red Beds
980-1498	Lime, Shale & Red Beds
1498-1695	Ft. Riley, Lime & Chert
1695-2065	Chert
2065-3448	Lime & Shale
3448-3569	Shale & Sand
3569-3722	Shale & Lime
3722	Rotary Total Depth

STATE OF KANSAS )  
 ) SS  
C \_ TY OF SEDGWICK )

I, D. L. Hellar, do hereby certify that the above and foregoing is a true and correct copy of the log of the #3 MacGregor, located in NE NE NE Sec. 36-32S-12W, Barber County, Kansas, as reflected by the files of the Hellar Drilling Company, Inc.

HELLAR DRILLING COMPANY, INC.

By *D. L. Hellar*  
President - D. L. Hellar

Subscribed and sworn to before me, a Notary Public, in and for Sedgwick County, Kansas this 26th day of July, 1968.

v Commission Expires:  
ch 25, 1972.

*Catherine Darcey*  
Notary Public - Catherine Darcey

