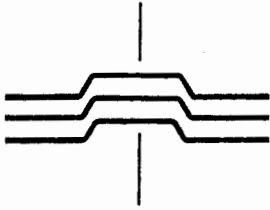


State Geological Survey
WICHITA, BRANCH

15-195-20614
28-11-22W

SPARTAN DRILLING CORPORATION



March 18, 1980

DRILLERS LOG

Re: Berens-Ries #3
SW-SW-SW
Sec. 28-T11S-R22W
Trego County, Kansas

OPERATOR: Kansas Oil Corporation
CONTRACTOR: Spartan Drilling Corporation
COMMENCED: 3-4-80
COMPLETED: 3-13-80

Surface Pipe 285 ft. 8 5/8" w/160 sx common 2% cc 3% gel

0	302	Sand & Shale
302	1805	Shale & Sand
1805	1827	Anhydrite
1827	2434	Shale
2434	2868	Shale & Lime
2868	3050	Shale
3050	3685	Shale & Lime
3685	3850	Lime
3850	3900	Lime & Chert
3900	4050	Lime & Chert & Shale
4050		RTD

We certify that the above and foregoing is a true and correct copy of the log on the #3 Berens-Ries located in Trego County, Kansas.

Spartan Drilling Corporation

Floyd C. Wilson

Floyd C. Wilson
President

Subscribed and sworn to before me this 18th. day of March 18, 1980

Carol E. Wilson

Carol E. Wilson Notary Public

