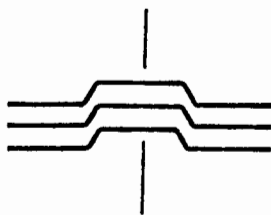


State Geological Survey
WICHITA, BRANCH
SPARTAN
DRILLING CORPORATION



15-195-20613
28-11-22W

April 2, 1980

DRILLERS LOG

Re: Honas "A" #1
SW-SW-NE
Sec. 28-T11S-R22W
Trego County, Kansas

OPERATOR: Kansas Oil Corporation
CONTRACTOR: Spartan Drilling Corporation
COMMENCED: 3-17-80
COMPLETED: 3-30-80

Surface Pipe 293 ft. 8 5/8" w/200 sx common 2% cc 3% gel

0	302	Shale
302	591	Shaley
591	1786	Shale
1786	1815	Anhydrite
1815	1950	Shale
1950	3595	Shale & Lime
3595	3665	Lime & Shale
3665	3697	Lime
3697	3842	Lime & Chert
3842	3935	Lime
3935	4035	Lime & Chert
4035	4058	Lime
4058		RTD

We certify that the above and foregoing is a true and correct copy of the log on the Honas "A" #1 located in Trego County, Kansas.

Spartan Drilling Corporation

Floyd C. Wilson
Floyd C. Wilson
President

Subscribed and sworn to before me this 2nd. day of April 1980

Boone & Wilson
Boone & Wilson
Public