

DRILLER'S LOG

PUBLISHERS PETROLEUM
No. 1 Miller
SE SE SW
Sec. 16-23S-30W
Finney Co., Ks.

Commenced: 1-20-81
Completed: 1-29-81

Surface Casing: 584' of 8-5/8"
cmtd w/225 sx 65-35 pozmix, 6% gel,
2# cc followed w/150 sx Class H,
3% cc, 1/4#

FORMATION

DEPTH

Surface Hole	0 - 584
Shale & Sand	584 - 765
Shale	765 - 1650
Salt & Shale	1650 - 1890
Shale	1890 - 3560
Lime & Shale	3560 - 3695
Shale & Lime	3695 - 4090
Lime & Shale	4090 - 4510
Shale & Lime	4510 - 4605
Lime & Shale	4605 - 4759
Shale	4759 - 4825 RTD

I do hereby certify that the foregoing statements are true and correct to the best of my knowledge and belief.

CHEYENNE DRILLING, INC.

James L. Donelson
James L. Donelson

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 4th day of February, 1981.

Dorothy L. Schmidt
Dorothy L. Schmidt, Notary Public