JAN
PI

30-32-3W

DRILLER'S LOG

Hummon Corporation
Hartman No. 3
150' So. NE NE NW
Sec. 30-32S-3W
Sumner Co., Kansas

Commenced: 12-6-80
Completed: 12-16-80

Surface Casing: 186' of 8-5/8"
Cemented w/ 200 sx, 3% cc, 2% gel

FORMATION	DEPTH
Surface	0 - 198
Shale, Shale w/Lime	198 - 360
Sandy Shale w/Lime Streaks	360 - 722
Shale & Lime	722 - 1120
Shale, Lime & Sand	1120 - 1348
Shale & Lime	1348 - 1488
Lime w/Shale	1488 - 1637
Shale, Lime & Sand	1637 - 1817
Shale & Lime	1817 - 1944
Lime w/Shale	1944 - 1986
White Cloud	1986 - 2035
Limey Shale	2035 - 2093
Lime w/Shale	2093 - 2145
Severy Sand	2145 - 2241
Shale & Lime	2241 - 2245
Lime, Shale & Sand	2245 - 2300
Lime & Shale	2300 - 2443
Lime w/Shale	2443 - 2565
Lime & Shale	2565 - 2695
Lime	2695 - 2812
Shale & Lime	2812 - 2824
Iatan Lime	2824 - 2826
Shale & Lime	2826 - 2932
Iatan Sand w/Shale	2932 - 3010
Stalnaker	3010 - 3059
Limey Shale	3059 - 3075
Lime & Shale	3075 - 3188
Lime w/Shale	3188 - 3230
Kansas City Lime	3230 - 3348 TD

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

R. R. A., Inc.

R. R. Abderhalden

STATE OF KANSAS: ss:

Subscribed and sworn to before me this 17th day of December 1980.

Notary Public