

MORGAN GEOLOGICAL SERVICES, INC.

P.O. BOX 18602
WICHITA, KANSAS 67218

Oct. 14, 1982

WICHITA OFFICE 685-6361
COYVILLE OFFICE 692-5473

Crest Petroleum, Inc.
Box 445
Andover, Kansas, 67002

Re: No. 1 Miller
Sec. 27-32S-2E
Sumner County, Ks.

Gentlemen:

Enclosed is my geological log on the Miller. On the log are plotted all geological data gained from the drilling of this well. The well ran generally 10 feet lower than the No. 1 Noffsinger to the south on all subsurface structural markers.

The Bartlesville Sand, however, ran somewhat differently. We lost about 7 feet of sand off the top and two off the bottom of the sand, making it 17 feet lower than the Noffsinger. The drill stem test of the Bartlesville recovered 250 feet of muddy, gassy oil and was a commercial test. The sand consisted of three lenses separated by thin shale layers. I am recommending that you perforate all three layers in the center of each with one or two shots with no more than 6 inches of vertical spread on each.

Depths to be perforated are (from GR - Density log measurements):

3252', 3256', and 3260'.

Casing was landed at 3299' and cemented to test the sand. There were no other shows of oil worth testing.

Sincerely,



F. W. Morgan

