

COPY

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Subject: Helmerich & Payne Inc., No. 1
Richmeier, SW SW NW, Sec. 30,
T. 9S., R. 25W., Graham
County, Kansas.

Helmerich & Payne Inc.,
415 Philtower Building
Tulsa, Oklahoma

Following is a report on your No. 1 Richmeier, a wildcat test in the extreme western edge of Graham County, Kansas; in Sec. 30, T. 9S., R. 25W., Graham County, Kansas. The Richmeier is located seven miles south and two miles east of the Studley Pool, a small Lansing-Kansas City producing area in Sections 22 and 23, T. 8S., R. 26W., Sheridan County.

Elevation	2620
Heebner Shale	3852 -1232
Lansing-Kansas City	3875 -1255
Base Kansas City	4129 -1509
Mississippian (Chert)	4415 -1795
Mississippian (Lime)	4466 -1846
Viola ?	4530 -1910
Simpson	4552 -1932
Arbuckle	4575 -1955
Total Depth	4625

Samples were examined on the No. 1 Richmeier from 3400 feet and drilling was watched from 3875 feet to total depth.

There were no shows of oil above the top of the Lansing-Kansas City in this test. Several zones of porosity are present in the Lansing-Kansas City section as follows:

1. 3875 to 3879; fair porosity, no odor, very rare stain.
2. 3884 to 3896; fair porosity, no odor, trace black oil staining.
3. 3973 to 3997; good porosity, no odor, light spotted staining.
4. 4088 to 4093; good porosity, light staining.

In my opinion, none of these zones had any oil show worth testing.

The section from the base of the Kansas City at 4129 to the top of the Mississippian at 4415 is predominantly shale with interbedded nodular limes and some sandy shale. No oil staining is present.

The Mississippian in this test is a chert section from 4415 to 4466 and a medium to coarsely crystalline lime from 4466 to the base. There are no oil shows in the Mississippian.

There is some doubt as to the correlation of the section from 4530 to 4552 feet as Viola. It is quite possibly lower Mississippian in age. No oil shows were noted.

The Simpson, from 4552 to 4575 feet is predominantly green, grey, and red shale with some sandy shale and thin sand streaks present. No oil shows are present.

The Arbuckle was penetrated 50 feet from 4575 to 4625 feet and is a medium to coarsely crystalline grey brown to pink dolomite. Excellent porosity is present from 4596 to 4608 feet. No shows were noted in the Arbuckle.

A Halliburton Electric Log was run on the No. 1 Richmeier and checks the above correlations and information very closely.

Structurally this test is about normal as compared with nearby dry holes. It is 17 feet higher on the Lansing-Kansas City and 10 feet lower on the Arbuckle than the Cities Service No. 1 Rome, a dry hole three miles east in Section 27, T. 9S., R. 25W., and is from 75 to 100 feet lower on the Lansing-Kansas City than producing wells in the Studley Pool.

Since no commercial shows of oil are present in this test, and since it is not favorable from a structural standpoint, it was recommended that it be abandoned as a dry hole. This recommendation has been followed.

A condensed copy of the drilling time is attached to this report, and copies have been furnished the Sinclair-Prairie Oil Co., the Cities Service Oil Co., the Kewanee Oil Co., and the Mid-Continent Petroleum Corporation.

Yours very truly,

/s/ Emmett R. Elledge
Emmett R. Elledge

ERE/pc