

EDWARD A. KOESTER
PETROLEUM GEOLOGIST
302 ORPHEUM BUILDING
WICHITA, KANSAS

November 23, 1948

Re: No. 1 Felderman
NE NE 8-7-20W
Rooks County, Kansas

Sam Pack & Braden - Greene Drilling Co.
257 North Ridgewood Drive
Wichita, Kansas

Gentlemen:

Important geological tops on this well are as follows:

Topeka lime	3146 feet	(-966)
Heebner shale	3379 feet	(-1199)
Lansing - Kansas City lime	3419 feet	(-1239)
Conglomerate	3660 feet	(-1480)
Arbuckle	3682 feet	(-1502)
Total Depth	3732 feet	(-1552)
Elevation	2180 feet	

None of the porous zones in the Topeka lime series carried any saturation except a zone at 3332 - 40 feet which showed a trace of very spotted stain in very finely, porous, oolitic cherty lime.

The top zone in the Lansing - Kansas City series occurred at 3422 - 3426 feet, but carried no stain. Only a trace of spotted stain in vuggy porosity occurred in the 90 foot break at 3499 - 3504 feet. The 160 foot zone was slightly vuggy and had a little spotted stain at 3564 - 66 feet. No other zones carried even slight suggestions of saturation.

The Conglomerate section in this well was predominantly shale and sand at 3660 - 66 feet, but considerable weathered chert with asphaltic stain occurred at 3666 - 76 feet. Below that section again was mostly shale with some sandy zones.

The upper 15 foot of the Arbuckle dolomite was white or buff, finely crystalline, non porous section, as found in other wells you have drilled in this vicinity. A little dead asphaltic stain occurred at 3691 - 95 feet.

The top of the Bonneterre member of the Arbuckle came in at 3697 feet, and this consisted of fine to medium glauconitic dolomite with fine to coarse embedded sand. Occasional streaks of white and green clay were inter-bedded with the dolomite. The Bonneterre has a little porosity in the upper 7 foot but there is increasingly good porosity with no stain below 3704 feet, and this part of the Arbuckle apparently is carrying considerable water.

- 2 -

Sam Pack & Braden - Greene Drilling Co.

Nov. 23, 1948

I have examined the Schlumberger record of this well and it checks the formation tops as reported above within a foot or two. It also shows good porosity in the lower part of the well. There being no commercial shows of oil or gas in this well, it has been recommended that it be plugged and abandoned.

Yours very truly,



Edward A. Koester
Petroleum Geologist

EAK:mzm