

C. Wm. WITT
PETROLEUM GEOLOGIST
621 NORTH PERSHING, WICHITA 6, KANSAS
PHONE 62-6301
October 30, 1950

Nat'l. Assoc. Petr. Co.
502 Ritz Bldg.
Tulsa, Oklahoma

Re: Dirksen #1, NE NE NW
Sec. 13-20S-1W
McPherson Co., Kans.

Dear Sirs:

This report on the subject well is based on an examination of the cuttings from 115 feet to the total depth of 2985 feet. All measurements were taken from the top of the rotary drive bushing (elevation 1558) which was 2 feet above the derrick floor.

The following tops were picked:

Ft. Riley-----	615	(#943)
Neva-----	1032	(#526)
Tarkio-----	1432	(#126)
Topeka-----	1770	(-212)
Lansing-Kansas City-----	2346	(-788)
Mississippi "chat"-----	2933	(-1375)
Penn. Conglomerate-----	2918	(-1360)

Drilling was under my supervision from 2800 feet to the total depth in order to test any oil or gas shows that might be found in the Mississippi "chat" and dolomite section, which is the main producing horizon in this general area.

Pennsylvanian Conglomerate

2918-33: Interbedded dark gray and brown chert, red and green shale, and fine-grained, green sand.

Mississippi

2933-44: white, sharp chert with thin streaks of vari-colored shale.

2944-65: mostly white, sharp chert with minor amount of white, dense dolomite.

2965-72: white to light gray, finely crystalline dolomite with good pin-point porosity and slight vugular porosity.

2972-80: white, sharp chert.

2980-85: white, tripolitic chert with fair vugular porosity.

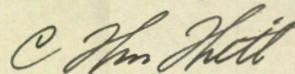
None of the above zones contained any oil or gas shows.

The following drill-stem tests were taken:

- (1) 2935-70, open 1 hour, very light blow for first 15 minutes, recovered 30 feet mud, 440# BHP in 10 min.
- (2) 2960-85, open 1 hour, light blow, recovered 120 feet of muddy water, 730# BHP in 10 min.

Based on the subsea top of the Mississippi "chat" this well was about 50 feet lower than the nearest production, approximately 2 miles to the north. It was from 6 to 20 feet higher than dry holes to the west and south.

Yours very truly,

A handwritten signature in cursive script, appearing to read "C. Wm. Witt".

C. Wm. Witt