

710 Brown Building,
Wichita 2, Kansas.

December 28, 1948.

Sam Pack - Braden and Greene,
257 No. Ridgewood Drive,
Wichita, Kansas.

Gentlemen:

Following are the geologic tops on your Schruben #1, SW Corner of
Section 16-7S-19W, Rooks County, Kansas;

Anhydrite	1515 (470)
Topeka (Samples started below top, no top picked)	
Heebner	3130 (-1145)
Lansing	3166 (-1181)
Conglomerate	3398 (-1413)
Arbuckle	3433 (-1448)
RTD	3441

All tops are corrected to derrick floor.

A number of zones in the Lansing were slightly stained, however, none of them showed enough porosity or saturation to warrant testing. The best zone, so far as porosity is concerned, was from 3197 to 3206 Kelly Bushing. This is roughly the "30 foot" break and consisted of white, coarsely crystalline limestone with fair to good inter-crystalline porosity. This zone was circulated at 3200, the samples showing light stain, but there was no odor, nor any free oil in the wet samples.

The top of the Arbuckle, at 3433, derrick floor, to 3438, was a gray medium crystalline dolomite with slight inter-crystalline porosity, slight stain and practically no odor or free oil. The lower three feet drilled much faster (from 8 to 10 minutes per foot on upper five feet to 3-3½ and 4 minutes per foot) and consisted of tan, granular, sandy glauconite dolomite or dolomite sand, some pieces being nearly pure, medium fine, rounded, frosted sand, the porosity was good, there was a fair to good odor, there were many rainbows on the water used to work the samples, and there was free oil in the wet samples.

5½" casing was set at 3436, 5 feet off bottom.

Yours very truly,

James E. Clark

JEC-MLJ

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Mr. Sam K. Pack
Box #192
Wichita, Kansas

Dear Sam:

Re: Pack #1 Schruben SWc 16-7S-19W

At your request, I am giving you the description of the Arbuckle penetrated in the above well.

Circulation samples at 3441'; fine to microcrystalline dolomite with spotted porosity and good live oil stain.
3441-46'; Dolomite as above with a little spotted porosity and oil stain. Abundant included sand grains.
3446-54'; Medium to fine crystalline dolomite with spotted porosity and oil stain, i. e. probably thin zones of porosity and oil staining.
3454-58'; Fine crystalline dolomite containing pink crystals and sand grains. The dolomite seems to have little or no porosity and oil stain.
3458-66'; Dolomite as above but containing intercalations of green shale.
3466-70'; As above but containing little or no green shale. The zone is extremely sandy.
3470-71'; Fine to rather coarse grained sandstone, water bearing.

I believe that the relatively impervious zone from 3458-66' does not communicate water to the upper oil stained dolomite zones. I would recommend running a plastic plug from the total depth of 3471' to 3456' or 57'.

Yours sincerely,

Jim Condon