

Wichita, Kansas,
October 24, 1938.

Mr. W. B. Wilson,
Box 661,
Tulsa, Oklahoma.

Dear Sir:

During Mr. Cole's recent visit to your office, you expressed considerable interest in regard to the age of the Arbuckle producing horizon in Sec. 36, T.19S., R.12W. and Sec. 7, T.20S., R.11W., since this is close to our large block of acreage in Township 20 South, Range 12 West.

Mr. Carmody has reexamined the Crown Petroleum Company, No. 1 Wolf, SE SW SE Sec. 36, T.19S., R.12W., and places the top of the Arbuckle at 3345 feet for a datum elevation of -1553 feet. He now believes the Purcell member of the Miller-Purcell formation may have been encountered from 3345 to 3360 feet and Cotter from 3360 to 3374 feet, total depth. This well was completed for a potential of 502 barrels oil and 45 barrels of water.

Mr. Carmody also examined samples on the Ash, No. B-1 Schartz, NW NE SW Sec. 7, T.20S., R.11W., picking the top of the Arbuckle at 3324 feet for a datum elevation of -1537 feet. Samples were examined to 3345 feet, which lacks 6 feet of being the total depth of 3351 feet. He believes this 21 feet of Arbuckle to be Miller-Purcell in age, probably Purcell. The No. B-1 Schartz was completed for a potential of 555 barrels of oil.

Two other tests have been completed in Sec. 7, T.20S., R.11W., the first being the Crown Petroleum, No. 1 Schartz, SW SE NW, which was completed for a potential of 413 barrels of oil and no water natural. Mr. Lockwood has examined samples on this well and has placed the top of the Arbuckle at 3342 feet for a datum elevation of -1555 feet. At first he called this Arbuckle Cotter in age, but it is thought that after Mr. Carmody's recent work in this area Mr. Lockwood would change his determination to agree with that of Mr. Carmody and call this Arbuckle Miller-Purcell in age.

The Texas Company, No. 1 Koch, NE NW SW Sec. 7, T.20S., R.11W., reached the top of the Arbuckle at 3330 feet, according to sample examination by The Texas company, for a datum elevation of -1544 feet. After penetrating the Arbuckle 26 feet to a total depth of 3356 feet, it has been completed for a potential of 693 barrels of oil, 6 per cent of which is water. We have not examined samples on this well, so we do not know the exact age of the producing horizon.

It is Mr. Carmody's desire that samples on at least two of these wells be forwarded to Dr. Littlefield in order that he may make a

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final check as to the age of this production. It will be recalled that the Gypsy, No. 1 Batchman, Sec. 18, T.20S., R.12W., encountered the Cotter division of the Arbuckle below Pennsylvanian basal conglomerate, according to Dr. Littlefield, and that the Lario, No. 1 Hulme, Sec. 21, T.20S., R.12W., found 24 feet of Simpson above the Arbuckle, indicating that the latter must be Miller-Purcell in age. These two tests were drilled on our acreage.

Very truly yours,

Frank M. Brooks

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FMB:AS

CC: Dr. Max Littlefield

Raglite

October, 1939.

Ash & Crown #1 Koch,
SE SW NW, 7-20S-11W,
El. 1790'

Pennsylvanian conglomerate 3330-3335'
3330-3335 Stained chert in shale.

Arbuckle residuum 3335-3345'
3335-3345 Chert and gray-green clay containing included
chert and rare sand.

Arbuckle Top 3345' Penetration 49' Sub-sea, minus 1555'
3345-3369 Miller. Considerably dissolved and filled
with residuum. Samples poor to 3357' due
to cavings from residual zone. Pipe set
at 3357'. This part of section 3345-57'
appears to be valueless from production
standpoint.
3369-3391 Upper Purcell. Contains much secondary chert
and appears to be relatively non-porous.
Zone P6, which was topped at 3384' has much
doloclastic material.
3391-3394 Probably Lower Purcell. Chert from 3385'-3394'
has Cotter aspect. There is some possibility
that Upper Purcell might lie on Cotter. However,
the section is so jammed with secondary chert
that it is not a good type section.

~~Stratigraphic~~

Erosion 11'. Restored top of Arbuckle -1544'.
A sinkhole section.