

F. W. MORGAN
GEOLOGIST

WICHITA OFFICE 685 - 6361

1721 PARKWOOD LANE WICHITA, KANSAS 67218

COYVILLE OFFICE 692 - 5471

April 9, 1979

Mr. Jimmy Razook
2101 E. 22st. St.
Wichita, Kansas, 67214

Re: Your No. 15-A Razook
Sec. 10-27S-4E
Butler County, Kansas

Dear Sir:

Enclosed is my geological log on this well. On the log is all geological information from the well. Below is my detailed recommendation for completion.

Arbuckle 2455-58 (2nd. break - Beedles) recommended.
2432-38 (1st. Break - Hawkins) recommended.

Kansas City The Kansas City has about 40 feet of extra lime section on top. In it are breaks at 1953 to 64. We have no history on this section, but it has a good show of oil and gas. It should be considered for production. Zones below this one probably correlate with zones in No. 4 and are not to be considered in this well.

Lansing 1668-75 Recommended for perforating.
1686-94 Recommended for perforating.

This well was drilled to 2500'. 4½" casing was cemented 1 foot off bottom with 325 sacks of 60-40 Pozmix, 10% salt, and .75% CFR2. Cement top should be 1250 feet. Mud used was 3 sacks soda ash, 2 caustic, 3 hulls, 50 gel, and 4 Dick's Seal. It ran 17 feet lower than Hawkins No. 1 Anderson.

Sincerely,

F. W. Morgan

