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Razook Oil Company
RR # 4, Box 102
Augusta, Kansas, 67010

Re: No. 4 Born "B"
Sec.33-34S-5E
Cowley County, Ks.

Gentlemen:

Emclosed is my geological log on this well. On the Cleveland Sand the well ran 4 feet lower than No. 2-B and 5 feet higher than No. 3-B. We had porous sand with shows of oil and gas from 2587' to 2616' with a loss of 6' due to hard impermeable sand zones. This is a total of about 23' of pay. There was an additional 10' of sand below the last show at 2616', but it was fine, silty, and had no shows of oil or porosity. My recommendation is that you perforate from the top of the sand down to about 2602 or deeper, skipping the tight, non-porous sections.

There were no other shows of oil and gas in the well. We found the Stalnaker from 1952' to 2037 feet, a gross of 85' of porous sand. The Layton Sands were logged from 2260' to 2284', 2325' to 2354', and 2408 to 2448'. These zones should offer a good source of water for any secondary recovery project. They should also be good zones for water disposal.

The hole was drilled to a total depth of 2680' and casing run to 2679' to complete in the Cleveland Sand.

Sincerely,


F. W. Morgan

