

RICHARDSON & BASS  
Ft. Worth National Building  
Ft. Worth, Texas  
July 25, 1953

W. L. Macey, Chief Engineer  
New Mexico Oil Conservation Commission  
Box 871  
Santa Fe, New Mexico

Dear Mr. Macey:

Richardson & Bass has recently completed their No. 1. Federal-Cobb for a small producer in the Lower Delaware Formation, slightly below 7,000 feet, after testing to the Ellenberger below 16,000 feet.

The well is located in the SW SW Section 23, Township 20 S, Range 31 E, Eddy County, New Mexico, and is producing through perforations in 9 5/8 casing from 7,003 to 16 and from 7,022 to 35. This sand body is very tight and of relatively low porosity.

In the process of drilling, drilling fluid stood against the face of this 7,000 foot sand for a considerable time and it was deemed impractical to attempt a natural completion and the well was pressure fractured at the time of the original completion June 23, 1953.

The best test flowing was on the 25th of June in which the well flowed 105.8 barrels of oil and 7.1 barrels of water during a 15 hour period. The next day, on a 24 hour test, the well flowed 102 barrels of oil, 34 barrels of water and 110 MCF of gas (GOR 985). The productivity continuously declined and by the middle of July the well was producing approximately 60 barrels of oil per day with 19 barrels of water, on intermittent flow.

A 2 1/2 inch Kobe pump was installed on July 26th and the well is now producing at a rate in excess of 200 barrels a day with about 14% water.

The Gulf Oil Corporation is running this oil.

The Richardson & Bass Federal-Cobb No. 1 is located in Section 23 on Federal land. The nearest state land is approximately 1 1/2 miles from this well in Sections 16 and 36 of the same township.

To the best of our knowledge this is the only well producing from the lower portion of the Delaware in the State of New Mexico. Further, after careful analysis of all available data, we are unable to determine whether or not commercial production can be obtained from this 7,000 foot stratum.

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We respectfully request that the New Mexico Oil Conservation Commission cancel our present 3,000 barrel advance allowable for the month of July and grant a six months allowable of 150 barrels of oil per day, effective as of July 1, 1953, for the purpose of testing the Federal-Cobb well. We believe this will permit us to determine the value of the lower Delaware in the area and we believe that such procedure will be to the best interests of conservation.

Yours very truly,

RICHARDSON & BASS

By

  
K. C. Howard

Chief Petroleum Engineer

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