



August 11, 1931

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J. E. Hare - E. G. Starr
952 Subway Terminal Bldg.
417 S. Hill St.
Los Angeles, Calif.

Gentlemen: Attention: Mr. J. Eddy

This is in reply to your letter of August 6, inquiring for information regarding the Kumbaca well, Harding County, New Mexico.

A considerable amount of carbon dioxide gas has been developed at the No. 1 Kerlin Bros. well of the Kumbaca Oil & Gas Company in sec. 34, T. 21 N., R. 30 E., Harding County. According to reports, this well has a capacity of from 3,000,000 to 4,000,000 cubic feet of this gas. Reported analyses give the carbon dioxide content at from 95% to 97%.

Attached is a report on this well supplied by the Kumbaca Oil & Gas Company.

The well of the Fulton Oil Company in T. 19 N., R. 21 E., San Miguel County, New Mexico is located on the Wagon Mound anticline. This fold has a closure of about 300 feet, the Dakota sandstone occurring at the surface over most of the structure.

In 1925-26 the Arkansas Fuel Company drilled a test well to a total depth of 2613 feet in sec. 11, T. 19 N., R. 21 E. In this well a heavy flow (estimated at 12,000,000 cubic feet) of noninflammable gas, probably largely carbon dioxide, was encountered at 1420 to 1425 feet. Some additional gas was encountered at greater depths.

Early in 1931 the Santa Fe Diox Company started a second well on the structure in the northeast corner of sec. 14, T. 19 N., R. 21 E. On July 1 this well had reached a depth of 1316 feet. According to reports, this company hopes to develop a supply of carbon dioxide gas for the manufacture of dry ice.

At the Wilcox anticline in the Estancia Valley a well was drilled to a depth of 1470 feet. A flow of noninflammable gas estimated at 200,000 cubic feet or more was encountered

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J. E. Hare - E. G. Starr -2-

between 1240 and 1340 feet. This gas was analyzed in the chemistry laboratories of the University of New Mexico and found to contain 97% to 98% carbon dioxide. This well is known as the J. B. Witt well. It is controlled by the Sinoco Oil Company, Albuquerque, New Mexico.

Very truly yours,

State Geologist

EHW:H

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5-20 (Rev. 1-1970)