

Midland, Texas
April 2, 1937

A. P. Loskamp - Midland

E. A. Markley - Tulsa

Barnadall, Number 5, Dodd, Eddy County, New Mexico

I am enclosing the log of our Number 5, Dodd well, located 1980 feet from the East, and 660 from the South lines of Section 22-17S-29E, Eddy County, New Mexico. The driller's log is used to 2050 feet, with the sample description below.

This well topped salt at 310 feet, and had the base of the salt at 685 feet. The lime was encountered at 2090 feet, for datum of plus 1453, or 19 feet higher than our Number 4 well.

The Number 5, Dodd encountered a show of oil in lime from 2385-90 feet, a gas show in lime from 2590-95 feet, and top of the lime pay from 2620-35 feet. At this depth, the hole filled with 200 feet of oil. An increase in oil was found from 2669-75 feet, and the hole filled with oil to 700 feet. Still another increase was encountered from 2686-88 feet, and the hole filled to 1400 feet with oil. Twenty four hours later, the hole was full of oil, and slopping over. However, the gas volume was considerably less than that found in the Number 2, and Number 4 wells.

The well was drilled to a total depth of 2757 feet, without finding further increases. At this depth, the well was below all of the known producing horizons of the area.

It was shot on March 30th, with 320 quarts from 2560-2703 feet, and partially cleaned itself after shot. It will be necessary to complete cleaning out, and to put the well on the pump before a potential gauge can be obtained. At the present time, it is estimated as being good for 60 barrels oil per day, which is an average well for this area, as production lightens going Westward on the Dodd Lease.



APL:mb

Encl.

CC E. R. Snow

C. D. Miller

Blind Copy--W. C. McKeen