

CASE 453

HUMBLE NEW MEXICO STATE V-2, DRINKARD POOL, LEA COUNTY, N. M.

Case 453 is concerned with the application dated October 23, 1952 of Humble Oil & Refining Company to dually recomplete their New Mexico State V-2 well which was originally completed in the Drinkard Pool, Lea County, New Mexico.

This well is located in the SE/4 of SW/4 of Section 10, T-21-S, R-37-E. Its location with reference to other wells on the same lease and to wells of operators who offset this lease is shown on the plat, Exhibit A.

It was completed February 16, 1949 at a total depth of 6751 feet with 5½-inch O.D. production string of casing set at 6655 feet. It was produced from the open hole section from 6655 to 6751 feet and also from a series of casing perforations in the interval between 6536 to 6653 feet. The open hole and casing perforations permitted the well to produce from the Drinkard formation. Both open hole and casing perforations were cemented off when an unsuccessful attempt was made in April and May 1949 to recomplete the well progressively through casing perforations from 5115 to 5270 feet in the Glorietta formation and from 3780 to 3810 feet in the Grayburg formation. The well was plugged and abandoned May 15, 1949. Exhibit B is a schematic diagram of the original completion and present physical status of the well.

It is proposed to dually complete this well in such a way as to permit producing either an oil well or a gas well from the Drinkard Tubb productive horizons through the tubing and gas from the Blinebry pay through the tubing casing annulus. Our geological information indicates that the Tubb productive horizon is in the middle Clear Fork and that the Blinebry pay occurs in the upper Clear Fork formation. To accomplish this proposal, the cement plugs will be drilled out to approximately 6360 feet for a new total depth.

An attempt will be made to reconnect at approximately 2000 feet to the 5½-inch casing now in the well and bring the top of the productive string to the surface. The productive string will be tested. The 5½-inch casing will be perforated within the approximate interval from 5550 to 5660 feet opposite the Blinebry pay and from 6100 to 6350 feet opposite the Tubb pay. A production type packer will be set at approximately 5670 feet and between the Blinebry and Tubb perforated interval. A schematic diagram of the proposed dual completion is shown in Exhibit C.

Exhibit D is a radioactive log of Humble's New Mexico State V-2 well.

We offer Exhibits A, B, C, and D for identification as Exhibits in this case.

It is my opinion that the proposed dual completion is mechanically feasible and practical with conventional equipment designed for this purpose.

It is my opinion that the granting of this application for dual completion with oil or gas from the Tubb and gas from the Blinebry is in the interest of conservation and protection of correlative rights.

The applicant is acquainted with and will comply with all rules and regulations of the New Mexico Conservation Commission relative to maintaining separation from the two pay horizons.

A marketing arrangement has been made to sell the gas which may be produced.

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

November 17, 1955

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Y

Humble Oil and Refining Company
P. O. Box 1600
Midland, Texas

Attention: Mr. J. W. House

Re: Cancellation of Order R-247

Gentlemen:

This is to advise that the dual completion granted by Order No. R-247 issued in Case No. 453, for your State V Well No. 2, located in the SE/4 SW/4 of Section 10, Township 21 South, Range 37 East, Lea County, New Mexico, is hereby cancelled due to the fact that the well has been plugged and abandoned.

Very truly yours,

W. B. Macey
Secretary-Director

WBM:jh

cc: Oil Conservation Commission, Hobbs
N. M. Oil & Gas Engr. Comm., Hobbs