

CASE 456

HUMBLE NEW MEXICO STATE S-12, DRINKARD POOL, LEA COUNTY, NEW MEXICO

Case 456 is concerned with the application dated November 7, 1952, of Humble Oil & Refining Company to dually complete their New Mexico State S-12, located in the Drinkard Pool, Lea County, New Mexico.

This well is located in the NE/4 of NE/4 of Section 2, T-22-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 November 28, 1946 at a total depth of 6540 feet. It is currently produced through casing perforations 6427 to 6447, 6460 to 6490, 6500 to 6510 and 6522 to 6530 feet. Our geological information indicates that the Drinkard Pool produces from the lower Clear Fork formation. Exhibit B is a schematic diagram of current completion status of this well.

It is proposed to dually complete this well in such a way as to continue to produce oil from the Drinkard pool through tubing and to produce gas from the Blineby pay through the tubing-casing annulus. Our geological information indicates that the Blineby pay occurs in the upper Clear Fork formation. To accomplish this purpose, the 5½-inch casing will be perforated within the approximate interval from 5515 to 5650 feet. A production type packer will be set at approximately 5700 feet and between the Blineby and Drinkard 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 S-12.

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 from the Drinkard and gas from the Blineby 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 of production from the two-pay horizons.

A market arrangement has been made to sell this gas.