

Midland, Texas
October 17, 1952

442
Ex #1 Case 442
Humble

File: 6-1
Re: Application to Dually Complete,
Humble New Mexico State B-7,
Eunice-Monument Field,
Lea County, New Mexico

Oil Conservation Commission
State of New Mexico
Santa Fe, New Mexico

Gentlemen:

By means of this application, Humble Oil & Refining Company wishes to state the following:

- (a) Humble Oil & Refining Company New Mexico State B-7, located in the NE/4 of the SE/4 of Section 29, T21S, R36E, Lea County, was completed February 1, 1936, to a total depth of 3900 feet. Five and one-half inch production casing was set at 3807 feet. The well is currently producing as an associated gas well through perforations from 3730 to 3775 feet.
- (b) Appended Exhibit A shows the location of the subject well, other wells on the same lease and all the offset wells to the Humble New Mexico State B lease.
- (c) The subject well was originally completed as an oil well but is currently being produced as an associated gas well from the Grayburg formation from 3730 to 3775 feet. A schematic diagram of the well completion is shown in Exhibit B.
- (d) The applicant proposes to dually complete the well to produce gas and oil from the Grayburg formation through the tubing and gas from the Yates formation through the tubing-casing annulus in the following manner:
 - (1) Perforate the 5-1/2-inch casing from approximately 3200 to 3550 feet opposite the Yates formation.
 - (2) Set a production type packer below the casing perforations at an approximate depth of 3600 feet to separate the two pay zones.

The manner and method of the dual completion is shown in the schematic diagram as Exhibit C.

- (e) Granting of this application for permission to produce the well as a dual completion with gas and oil from the Grayburg formation and gas from the Yates formation is in the interest of conservation and protection of correlative rights.

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- (f) The applicant will comply with all rules and regulations of the New Mexico Oil Conservation Commission to maintain separation of production from the two pay zones.
- (g) The manner and method of the proposed dual completion is mechanically feasible and practical.

Therefore, Humble Oil & Refining Company requests that the New Mexico Oil Conservation Commission set a certain day upon which this application may be heard and after said hearing to grant permission in order that the applicant may dually complete the subject well as proposed in this application.

Respectfully Submitted,

HUMBLE OIL & REFINING COMPANY



J. W. HOUSE
Division Superintendent

JEG/hrs
Encl.

- Exhibit A: Plot showing location of subject well, other wells on same lease and all offset wells.
- Exhibit B: Schematic diagram of subject well completion.
- Exhibit C: Manner and method of dual completion proposed in subject well.
- Exhibit D: Gamma Ray and Neutron log of subject well.