

Midland, Texas
November 13, 1952

Case 455

File: 6-1
Re: Application to Dually Complete
Humble New Mexico State E-1,
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 E-1, located in NW/4 of SW/4, Section 21, T19S, R37E, Lea County, was completed December 21, 1936 at a total depth of 3985 feet. The 5-1/2-inch OD production string of casing was set and cemented at 3740 feet.
- (b) Exhibit A, attached, is a plat showing the location of the subject well, other wells on the same lease and all the offset wells to the Humble New Mexico State "E" lease.
- (c) The subject well was completed as an oil well producing in open hole from 3740 to 3985 feet in the Grayburg formation.
- (d) The applicant proposes to dually complete the well to produce oil from the Grayburg and gas from the Queens in the following manner.
 - (1) Perforate the 5-1/2-inch casing within the approximate interval of 3550 to 3700 feet opposite the Queens formation. The exact interval can not be determined until a log is run, a copy of which will be furnished to the Commission.
 - (2) Set a production type packer below these perforations at approximately 3720 feet to separate the two pay zones.
 - (3) Produce the Grayburg Oil through the tubing and the Queens gas through the tubing-casing annulus.

The manner and method of the dual completion is shown in Exhibit C:

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

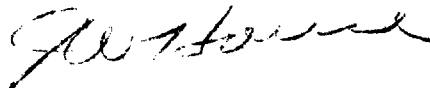
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- (g) The manner and method of the proposed dual completion is mechanically feasible and practical.

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/jl

- Encl. Exhibit A - Plat showing location of subject well, other wells on the State "E" lease.
Exhibit B - Schematic Diagram of current completion, Humble New Mexico State E-1.
Exhibit C - Schematic Diagram showing manner and method of the proposed dual completion, Humble New Mexico State E-1.