

Case 440

Midland, Texas  
October 17, 1952

File: 6-1  
Re: Application to Dually Complete,  
Humble Federal Fopeano 1,  
Sanice-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 Federal Fopeano 1, located in the SE/4 of SW/4 of Section 25, T20S, R36E, Lea County, was completed June 17, 1937, at a total depth of 3850 feet. The well had 5-1/2-inch casing set at 3699 feet. Elevation of the derrick floor was 3552 feet.
- (b) Appended Exhibit A shows the location of the subject well, other wells on the same lease and all offset wells to the Humble Federal Fopeano lease.
- (c) The subject well was completed as an oil well producing in the open hole section from 3699 to 3850 feet from the Grayburg formation. A schematic diagram of the current well completion is shown in Exhibit B.
- (d) The applicant proposes to dually complete the well to produce oil from the Grayburg formation through the tubing and gas from the Queen formation through the tubing-casing annulus in the following manner:
  - (1) Perforate the 5-1/2-inch casing from approximately 3440 feet to 3630 feet opposite the Queen formation.
  - (2) Set a production type packer below the casing perforations at an approximate depth of 3675 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 oil from the Grayburg formation and gas from the Queen 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.