

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF :  
GULF OIL CORPORATION for an order to :  
dually complete and produce from the :  
Yeso formation (Drinkard Pool) and :  
the Ellenburger formation (Brunson :  
Pool) from a single well bore in the :  
Eunice King No. 17, located 660 feet :  
from the north line and 2310 feet from :  
the west line of Section 28, Township :  
21 South, Range 37 East, Lea County, :  
New Mexico. :

A P P L I C A T I O N

COMES NOW THE GULF OIL CORPORATION, hereinafter called the applicant, and shows to the Honorable Oil Conservation Commission of the State of New Mexico that:

1. Gulf Oil Corporation is incorporated in the State of Pennsylvania and is duly authorized to do business in the State of New Mexico.

2. Gulf Oil Corporation is actively engaged in the exploration, development and production of oil and gas in the State of New Mexico, and that Gulf Oil Corporation is one of the larger producers of crude oil in the State.

3. Gulf Oil Corporation is the operator of an oil and gas lease covering the north half of Section 28-21S-37E, Lea County, New Mexico, on which there are sixteen producing wells as of June 13, 1949.

4. The Eunice King No. 17 is located 660 feet from the north line and 2310 feet from the west line of Section 28-21S-37E, and at present is drilling an 8-3/4" hole at 7902 feet after setting 9-5/8", 36#, intermediate casing string at 2800 feet and cemented with 1300 sacks of cement. The top of the Drinkard section of the Yeso formation is approximately 6550 feet and the base 6650 feet. This horizon on drill stem test flowed oil at the rate of 27-1/2 barrels per hour. Seven inch, 23#, S.S. casing will be set on top of the Ellenburger formation which is expected at 8000 feet. Then the hole will be drilled to an approximate total depth of 8165 feet.

5. The exposed Ellenburger formation will be tested natural through tubing to ascertain its oil producing rate.

6. This well will then be dually completed by perforating the seven inch casing in the Drinkard section of the Yeso formation from 6550 feet to 6650 feet with 400 jet holes. A Baker production type packer will be set at approximately 7950 feet. In the tubing string immediately below the Drinkard section, an Otis side door choke will be run which will permit obtaining bottom hole pressure data in either zone.

7. Applicant proposes to produce the Ellenburger formation through the tubing and to produce the Drinkard section through the annular space between the tubing and casing in the manner indicated above. This manner of production will prevent commingling within the well bore of hydrocarbons from separate strata.

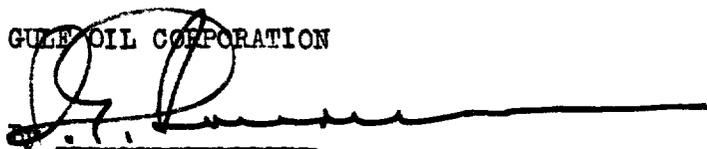
8. Applicant further proposes to test the well after dually completing and at periodic intervals thereafter in accordance with previous orders of the Commission to assure that communication does not exist between the two zones.

9. Order for this experimental dual completion is requested in order to determine more definitely the feasibility of oil and oil completions inasmuch as none have been attempted in the area.

Wherefore your applicant prays that this Honorable Commission promulgate an order that will permit dual completion of the Ellenburger and Yeso (Drinkard) oil producing sections in the Eunice King No. 17.

Respectfully Submitted,

GULF OIL CORPORATION

  
S. G. Sanderson  
Manager of Production

July 18, 1949