

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 :
Hobbs Lime section and the Byers Sand :
section from a single well bore in the :
West Grimes No. 15, located 990' from :
south line and 2310' from west line of :
Section 32, Township 18 South, Range 38 :
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 that state.
3. Gulf Oil Corporation is the operator of an oil and gas lease covering the west half of Section 32-18S-38E, Lea County, New Mexico, on which leasehold there are 15 producing wells, one of which is the West Grimes No. 15 well.
4. The above subject well, presently being tested, is located 990' from south line and 2310' from west line of Section 32-18S-38E, Lea County, New Mexico. Top of the San Andres was found at approximately 3985' and porosity in the Hobbs section was encountered at approximately 4020'. Total depth of the well is 4105' and 7" casing is set at 4094'. There are no perforations in the casing opposite the Hobbs section.
5. During the drilling of West Grimes No. 15 the Byers sand was encountered between approximately 3670' and 3730', and evidence was obtained by drill stem testing that the Byers section would be productive of gas. Perforations in the 7" casing opposite the Byers sand were made from 3650' to 3675', from 3685' to 3700' and from 3715' to 3730'. A packer, run on 2" tubing, is set in the casing at 4059' so that the Byers sand and Hobbs lime section are segregated. An Otis side door choke is installed above the packer to permit proper testing of the separate formations, and

to permit separate bottom-hole pressure tests to be made.

6. Applicant proposes to produce from the Hobbs lime section through tubing, and to produce from the Byers gas sand through the annular space between tubing and casing in the manner as shown above. This manner of production will prevent commingling within the well bore of hydrocarbons from separate strata.

7. Applicant further proposes to test the well immediately 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.

Wherefore your applicant prays that this Honorable Commission promulgate an order that will permit dual completion of the Hobbs section and the Byers section in West Grimes No. 15.

Respectfully submitted,

GULF OIL CORPORATION

By 

S. G. Sanderson
Manager of Production

Feb. 17, 1949