

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF A HEARING CALLED BY
THE OIL CONSERVATION COMMISSION OF THE
STATE OF NEW MEXICO FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 92

ORDER NO. 713

THE APPLICATION OF GULF OIL CORPORATION
FOR THE ISSUANCE OF A SPECIAL ORDER PER-
MITTING THE PRODUCTION OF MORE THAN ONE
HORIZON THROUGH A SINGLE WELL BORE IN
THE WEST GRIMES NO. 4, HOBBS POOL, LEA
COUNTY.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at ten o'clock A.M. on January 10, and April 15, 1947, at Santa Fe, New Mexico before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 16th day of July, 1947, the Commission, having before it for consideration the testimony adduced at the hearings aforesaid.

FINDS:

1. That the Commission has jurisdiction of the subject matter.
2. That there is conflicting evidence as to whether or not mechanical devices are available which permit concurrent production of gas and/or oil and gas from two or more different strata or pools from a single well bore without commingling.
3. That additional evidence as to the efficiency of mechanical packers and devices for dual production by single well bore could be had by an experiment under specific control as contemplated by the petition filed herein.

IT IS THEREFORE ORDERED THAT:

Effective the 16th day of July 1947, the Gulf Oil Corporation be and is hereby granted permission to dually complete and produce its West Grimes No. 4 well located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 32, Township 18 South, Range 38 East, New Mexico, in the Hobbs pool in Lea County in such manner that gas may be produced from the Byers gas sand from 3630 feet to 3700 feet and that oil and gas or gas may be produced from the Bowers sand from approximately 3150 feet to 3170 feet through the same well bore.

PROVIDED that said well shall be completed and produced in such a manner that there will be no commingling within the well bore of the well of gas, or oil and gas produced from the two or more separate strata, and

PROVIDED further that said well must be equipped in such a manner that reservoir pressures may be determined on each of the two specified strata separately, and further that said well must be equipped with all necessary connections required to permit recording meters to be installed and used at any time so that when such meters are installed all natural gas oil and/or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio determined, and,

PROVIDED further that the operator shall make any and all tests or determinations at any such times and in such manner as is deemed reasonably necessary by the Commission, and,

PROVIDED further that segregation tests to determine that seal between the two strata is being maintained shall be conducted and reported to the Commission at reasonable intervals.

PROVIDED further that prior to the time said well is dually completed the operator shall supply the Commission for its approval with a plat or a drawing showing the proposed method and manner of completion, together with an electrical or radio activity log showing the location and extent of each separate stratum and the proposed perforations, and

PROVIDED further that upon completion of the well the operator shall submit to the Commission a diagramatic sketch of the mechanical installation which was actually employed to produce the seal from both zones, showing type and location of packers, other devices used, location and extent of perforations, name and depth of each producing horizon and a special report of production, gas-oil ratio and reservoir pressure determinations of each horizon at time of completion.

It is further provided that upon failure of the operator to comply with any provision or provisions of this order, then the permission hereinunder shall immediately terminate.

It is further ordered that jurisdiction in this case be retained by the Commission with full authority to issue further special orders as from time to time may be necessary or convenient.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

OIL CONSERVATION COMMISSION

Wm J. Gray
CHAIRMAN

John E. Miller
MEMBER

R. L. Purrier
SECRETARY

