

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 302  
ORDER NO. R-121

THE APPLICATION OF HOWARD HOGAN  
ET AL FOR AN ORDER AUTHORIZING THE  
DUAL COMPLETION (GAS - OIL) OF THEIR  
NO. 1 JACK WELL, LOCATED IN SW/4 NW/4  
SECTION 8, T. 24S, R. 37E, NMPM, LEA COUNTY,  
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 10:00 a. m. on August 21, 1951, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," all members being present.

NOW, this 18th day of December, 1951, the Commission, a quorum being present, having considered the testimony adduced and exhibits received at said hearing, and being fully advised in the premises,

FINDS: (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That although recent experiments tend to show that mechanical packers and other devices are now available for engineering successful dual completions, the Commission finds that specific control of each project should be maintained.

IT IS THEREFORE ORDERED:

That effective as of the date of this order, Howard Hogan, et al, the applicant herein, be, and they hereby are authorized to dually complete their no. 1 Jack well, located in the SW/4 NW/4 section 8, Township 24 South, Range 37 East, NMPM, Lea County, New Mexico, to produce gas from the Yates sand (2864 to 2988 feet) through the annulus between the casing and the tubing, and oil from the Queen formation (3482 to 3600 feet) through the tubing, by the use of proper perforations and the use of proper packer or packers;

PROVIDED, HOWEVER, that said No. 1 Jack well shall be dually completed and produced in such a manner that there will be no commingling within the well-bore of the said well of gas, or oil and gas produced from the two separate strata, and

PROVIDED FURTHER, that said well shall be equipped in such a manner that reservoir pressures may be determined separately for each of the two separate strata, and further be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, or oil and 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 including segregation tests and tests for leakage outside the casing but not excluding other tests and/or determinations at any time and in such manner as may be deemed necessary by the Commission and remedy any situation reflected.

The original and all subsequent tests shall be witnessed by a representative of the Commission and by representatives of offset operators, if any there be, and the results of each test properly attested to by the applicant and all witnesses and shall be filed with the Commission within ten (10) days after the actual completion of each such test, and,

PROVIDED FURTHER, that prior to the time said well is dually completed, the applicant shall supply the Commission, for its approval, with plat or drawing showing the proposed method and manner of completion.

PROVIDED FURTHER, THAT upon the dual completion of the well the applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to produce the seal from both zones or strata, showing tube and location of packers, other devices used, location and extent of perforations, name and depth of each producing zone or strata and special report of production, gas-oil ratio and reservoir pressure determination of each horizon or stratum at the time of completion.

IT IS FURTHER ORDERED, that jurisdiction of this case is hereby retained by the Commission for such further order or orders in the premises as may from time to time seem necessary or convenient to the Commission, and this case shall not be considered as establishing a precedent for authorizing general dual completions, and upon failure of the applicant to comply with any provision or provisions of this order, by the authority hereunder shall terminate, upon ten (10) days written notice by the Commission.

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

Oil Conservation Commission

/s/ EDWIN L. MECHEM, Chairman

/s/ GUY SHEPARD, Member

/s/ R. R. SPURRIER, Sec'y.