

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

CASE No. 397  
ORDER No. \_\_\_\_\_

THE APPLICATION OF SHELL OIL COMPANY  
FOR AN ORDER GRANTING PERMISSION TO DUALY  
COMPLETE AND PRODUCE ITS ARGO No. 1 WELL,  
IN THE DRINKARD POOL, LOCATED IN THE SW $\frac{1}{4}$ SW $\frac{1}{4}$ ,  
SECTION 15, TOWNSHIP 21 SOUTH, RANGE 37 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 19, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this \_\_\_\_\_ day of August, 1952, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of the case and the persons and subject matter thereof.

(2) That the applicant's Argo No. 1 Well, SW $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 15, Township 21 South, Range 37 East, N.M.P.M., was completed in September, 1947, as an oil well producing from the Drinkard formation in the open hole interval 6529-6646 feet, having been drilled through the Tubb Gas Zone (6030-6240 feet).

(3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil - gas wells, the Commission is unconvinced of the soundness, as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Shell Oil Company, be, and it is hereby authorized to dually complete and produce its Argo No. 1 well, SW $\frac{1}{4}$ SW $\frac{1}{4}$ , Section 15, Township 21 South, Range 37 East, N.M.P.M., in the Drinkard Pool, Lea County, New Mexico, in such manner that the gas from the Tubb Gas Zone be produced through the annular space between the casing and the tubing, and oil from the Drinkard formation through the tubing by proper perforations and installation of the proper packer or packers:

PROVIDED FURTHER, etc.

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 CON-  
SIDERING:

CASE NO. 397  
ORDER NO. R-192

THE APPLICATION OF SHELL OIL  
COMPANY FOR AN ORDER GRANTING  
PERMISSION TO DUALY COMPLETE  
AND PRODUCE ITS ARGO NO. 1 WELL,  
IN THE DRINKARD POOL, LOCATED IN  
THE SW/4 SW/4, SECTION 15, TOWNSHIP  
21 SOUTH, RANGE 37 EAST, NMPM, LEA  
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 19, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this *28<sup>th</sup>* day of *August* 1952, the Commission, a quorum being present, having considered the records and the testimony adduced, and being fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of the case and the persons and subject matter thereof.

(2) That the applicant's Argo No. 1 Well, SW/4 SW/4, Section 15, Township 21 South, Range 37 East, NMPM, was completed in September 1947, as an oil well producing from the Drinkard formation in the open-hole interval 6529-6646 feet, having been drilled through the Tubb gas zone (6030-6240 feet).

(3) That although recent experiments tend to show that mechanical packers and other devices are ordinarily available for successful dual/multiple completions of oil - gas wells, the Commission is unconvinced of the soundness, as a waste-prevention practice, of such dual/multiple completions as a general practice in New Mexico without specific controls over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein, Shell Oil Company, be, and it is hereby authorized to dually complete and produce its Argo No. 1 well, SW/4 SW/4, Section 15, Township 21 South, Range 37 East, NMPM, in the Drinkard Pool, Lea County, New Mexico, in such manner that the gas from the Tubb gas zone be produced through the annular space between the casing and the tubing, and oil from the Drinkard formation through the tubing by proper perforations and installation of the proper packer or packers;

PROVIDED, HOWEVER, That subject well shall be completed, and thereafter produced, in such a manner that there will be no commingling within the well bore, either within or outside the casing of gas, oil and gas, or oil produced from either or both of the separate strata, and,

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified 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, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil ratio thereof determined, and,

PROVIDED FURTHER, That the operator applicant shall make any and all tests, including segregation tests, but not excluding other tests and/or determinations at any convenient time and in such manner as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of the Commission and by representatives of offset operators, if any there be, at their election, and the results of each test properly attested to by the applicant herein and all witnesses, and shall be filed with the Commission within ten (10) days after the completion of such test, and,

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order after proper notice and hearing, the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Edwin L. Mechem*

EDWIN L. MECHEM, Chairman

*Guy Shepard*

GUY SHEPARD, Member

*R. R. Spurrer*

R. R. SPURRIER, Secretary

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