

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 440  
ORDER No. R-229

THE APPLICATION OF HUMBLE OIL  
AND REFINING COMPANY FOR AN  
ORDER GRANTING PERMISSION TO  
DUALY COMPLETE AND PRODUCE  
ITS FEDERAL FOPEANO, WELL NO. 1,  
LOCATED IN THE SE/4 SW/4 OF  
SECTION 25, TOWNSHIP 20 SOUTH,  
RANGE 36 EAST, NMPM, LEA COUNTY,  
NEW MEXICO, IN THE EUNICE-MONUMENT  
POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m. November 20, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this <sup>th</sup> 28 day of *November* 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 applicant's Federal Fopeano, No. 2 Well, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, was completed in June, 1937 as an oil well producing from the Grayburg formation in the open-hole interval 3699-3850, having drilled through the Queen gas zone at an approximate depth of 3440-3630.

(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, Humble Oil and Refining Company, be, and it hereby is authorized to dually complete and produce its Federal Fopeano, Well No. 2, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner that gas

from the Queen formation may be produced through the annular space between the casing and the tubing, and oil from the Grayburg formation through the tubing by proper perforations and the installation of a 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,

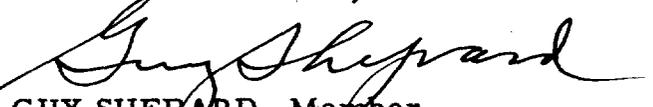
PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas/oil ratio and 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, Chairman

  
GUY SHEPARD, Member

  
R. R. SPURRIER, Secretary

S E A L

CORRECTION  
BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

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

CASE NO. 440  
ORDER NO. R-229 A

THE APPLICATION OF HUMBLE OIL  
AND REFINING COMPANY FOR AN  
ORDER GRANTING PERMISSION TO  
DUALY COMPLETE AND PRODUCE  
ITS FEDERAL FOPEANO, WELL NO. 1,  
LOCATED IN THE SE/4 SW/4 OF SECTION  
25, TOWNSHIP 20 SOUTH, RANGE 36 EAST,  
NMPM, LEA COUNTY, NEW MEXICO, IN  
THE EUNICE-MONUMENT POOL.

CORRECTION ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a. m. November 20, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, 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 applicant's Federal Fopeano, No. 1 Well, SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, was completed in June, 1937 as an oil well producing from the Grayburg formation in the open-hole interval 3699-3850, having drilled through the Queen gas zone at an approximate depth of 3440-3630.

(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, Humble Oil and Refining Company, be, and it hereby is authorized to dually complete and produce its Federal Fopeano, Well No. 1 SE/4 SW/4 Section 25, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner that gas from the Queen formation may be produced through the annular space between the casing and the tubing, and oil from the Grayburg formation through the tubing by proper perforations and the installation of a proper packer or packers;

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PROVIDED, HOWEVER, That subject well shall be completed and there-  
after 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 Com-  
mission 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.

This correction order is made and entered nunc pro tunc as of  
November 28, 1952, for the purpose of correcting certain errors in well  
numbers appearing in original order R-229.

DONE at Santa Fe, New Mexico, this 12<sup>th</sup> day of December, 1952.

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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