

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. 575  
Order No. R-378

THE MATTER OF THE APPLICATION OF  
TIDE WATER ASSOCIATED OIL COMPANY  
FOR AN ORDER GRANTING PERMISSION  
TO DUALY COMPLETE ITS A. B. COATES  
'C' WELL NO. 1, SE/4 NW/4 SECTION 24,  
TOWNSHIP 25 SOUTH, RANGE 37 EAST,  
NMPM, LEA COUNTY, NEW MEXICO, AS A  
GAS-GAS DUAL IN THE PADDOCK ZONE  
(4675-4715) AND THE QUEEN ZONE (2980-3150).

ORDER OF THE COMMISSION

BY THE COMMISSION:

This case came on regularly for hearing on September 17, 1953, at Santa Fe, New Mexico, before the New Mexico Oil Conservation Commission, hereinafter referred to as the "Commission."

NOW, on this *21<sup>st</sup>* day of October, 1953, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received, and being fully advised in the premises,

FINDS:

- (1) That due notice having been given in conformity with law, the Commission has jurisdiction of the case.
- (2) That the applicant's A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, was completed February 3, 1951, as a gas well (open hole 2950-3300') in the Queen formation.
- (3) That applicant recompleted said well, deepening the same to 4820' in the Paddock formation, which proved commercially productive of gas.
- (4) That mechanical packers and devices are now available for successful dual gas-gas completions, although the Commission's policy is to exercise specific control over each such project.

IT IS THEREFORE ORDERED:

That the applicant herein be, and it hereby is authorized to dually complete for production its A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, (in the Justis Gas Pool for Paddock production, with the Queen production from the gas cap of the Langlie-Mattix Oil Pool), in such a manner that gas from the queen zone may be produced through the casing-tubing annulus, and gas from the Paddock zone through the tubing by proper perforations and the installation of a suitable and effective packer;

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 hydrocarbons in whatever state, liquid or vaporous, produced from either or both strata; and

PROVIDED FURTHER, That the subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each zone, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as required by the Commission or its representatives in order that dry gas, wet gas or other hydrocarbons from each zone may be accurately measured and, if necessary, oil-gas ratios determined; and

PROVIDED FURTHER, That the 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 or determinations shall be witnessed by a representative of the Commission and representatives of offset operators, if any there be, at their election, 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 completion of such test, and,

PROVIDED FURTHER, That upon actual dual completion of 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, together with a special report of production, nature of the production and reservoir pressure determination of each producing zone or formation, immediately following dual completion of subject well.

IT IS FURTHER ORDERED: That jurisdiction of this case be, and it hereby is retained for such further order or orders as may be necessary or convenient for the prevention of waste and protection of correlative rights.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

  
EDWIN L. MECHEM, Chairman

  
E. S. WALKER, Member

  
R. R. SPURRER, Member and Secretary

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COMMISSION OF NEW MEXICO FOR THE  
PURPOSE OF CONSIDERING:

ORDER NO. R-378  
CASE NO. 575

THE MATTER OF THE APPLICATION OF TIDE  
WATER ASSOCIATED OIL COMPANY FOR AN ORDER  
GRANTING PERMISSION TO DUAL LY COMPLETE  
ITS A. B. COATES 'C' WELL NO. 1, SE/4 NW/4  
SECTION 24, TOWNSHIP 25 SOUTH, RANGE 37 EAST,  
NMPM, LEA COUNTY, NEW MEXICO, *As a Gas-Gas Dual*  
*IN THE PADDOCK ZONE (4675-4715) AND THE*  
*QUEEN ZONE (2980-3150).*

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FINDS:

(1) That due notice having been given in conformity with law, the Commission has jurisdiction of the case.

(2) That the applicant's A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, was completed February 2, 1951, as a gas well (open hole 2950 - 3300') in the Queen formation.

(3) That applicant recompleted said well, deepening the same to 4820' in the Paddock formation, which proved commercially productive of gas.

(4) That mechanical packers and devices are now available for successful dual gas-gas completions, although the Commission's policy is to exercise specific control over each such project.

~~(5) That there is evidence to indicate that the gas from the Queen formation may be gas cap gas, and its production may affect oil production in the area.~~

~~(6) That other wells in the area have been dually completed.~~

IT IS THEREFORE ORDERED:

That the applicant herein be, and it hereby is authorized to dually complete for production its A. B. Coates 'C' Well No. 1, SE/4 NW/4 Section 24, Township 25 South, Range 37 East, NMPM, (in the Justis Gas Pool for Paddock production, with the Queen production from the gas cap of the Langlie-Mattix Oil Pool), in such a manner that gas from the Queen zone may be produced through the casing-tubing annulus, and gas from the Paddock zone through the tubing by proper perforations and the installation of a suitable and effective packer;

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PROVIDED FURTHER, That the subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each zone, and further, be equipped with all necessary connections required to permit recording gages to be installed and used at any time as required by the Commission or its representatives in order that dry gas, wet gas or other hydrocarbons from each zone may be accurately measured and, if necessary, oil-gas ratios determined; and