

SUBJECT: DUAL COMPLETION (GAS-GAS)

OCTOBER 22, 1956

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS LUDWICK WELL NO. 11, LOCATED IN THE NW/4 NE/4 OF SECTION 19, TOWNSHIP 30 NORTH, RANGE 10 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO, IN THE AZTEC PICTURED CLIFFS POOL AND THE BLANCO-MESAVERDE POOL.

ORDER NO. DC-349

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) El Paso Natural Gas Company made application to the New Mexico Oil Conservation Commission on October 19, 1956 for permission to dually complete its Ludwick Well No. 11, located 990 feet from the North line and 1580 feet from the East line and in the NW/4 NE/4 of Section 19, Township 30 North, Range 10 West, NMPM, San Juan County, New Mexico, in the Aztec Pictured Cliffs Pool and the Blanco-Mesa Verde Pool.

The Secretary-Director Finds:

- (1) That application has been duly filed under the provisions of Sub-section 'c' of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset acreage have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant, herein, El Paso Natural Gas Company be and it hereby is authorized to dually complete its Ludwick Well No. 11, located in the NW/4 NE/4 of Section 19, Township 30 North, Range 10 West, NMPM, San Juan County, New Mexico in such manner as to permit production of gas from the Pictured Cliffs formation of the Aztec-Pictured Cliffs Pool by proper perforation of the casing and gas produced through the casing-tubing annulus and the production of gas from the Mesa Verde formation of the Blanco-Mesa Verde Pool by proper perforation of a liner and gas produced through the tubing and the installation of a suitable packer and with the installation of adequate surface equipment to maintain complete separation of the two zones of production.

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,

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks have developed since the well was originally completed. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission, copies of Oil Conservation Commission Forms C-104, Forms C-110 and Forms C-122 outlining the information required on those forms by existing Rules and Regulations and two copies of the electric log of the well.

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-liquid ratio thereof determined, and

OCTOBER 22, 1936

ORDER NO. 10-243

SUBJECT: DUAL COMPLETION (GAS-GAS)

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS LUDWICK WELL NO. 11, LOCATED IN THE NW 1/4 OF SECTION 19, TOWNSHIP 30 NORTH, RANGE 10 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO, IN THE ASSES PICTURED CLIFFS POOL AND THE BLANCO-MESAVERDE POOL.

ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (2) El Paso Natural Gas Company made application to the New Mexico Oil Conservation Commission on October 19, 1936 for permission to dually complete the Ludwick Well No. 11, located 990 feet from the North line and 1280 feet from the East line and in the NW 1/4 NE 1/4 of Section 19, Township 30 North, Range 10 West, N.M.P.M., San Juan County, New Mexico, in the Ases Pictured Cliffs Pool and the Blanco-Mesa Verde Pool.

The Secretary-Director finds:

- (1) That application has been duly filed under the provisions of Sub-section 10 of Rule 112-A of the Commission's Rules and Regulations;
- (2) That satisfactory information has been provided that all operators of offset surveys have been duly notified; and
- (3) That no objections have been received within the waiting period as prescribed by said rules.

IT IS THEREFORE ORDERED:

That the applicant, herein, El Paso Natural Gas Company do and it hereby is authorized to dually complete the Ludwick Well No. 11, located in the NW 1/4 NE 1/4 of Section 19, Township 30 North, Range 10 West, N.M.P.M., San Juan County, New Mexico in such manner as to permit production of gas from the Pictured Cliffs formation of the Ases-Pictured Cliffs Pool by proper perforation of the casing and gas produced through the casing-tubing annulus and the production of gas from the Mesa Verde formation of the Blanco-Mesa Verde Pool by proper perforation of a liner and gas produced through the tubing and the installation of a suitable packer and with the installation of adequate surface equipment to maintain complete separation of the two zones of production.

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.

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks have developed since the well was originally completed. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission, copies of Oil Conservation Commission Forms C-104, Form C-110 and Forms C-122 outlining the information required on these forms by existing rules and regulations and two copies of the electric log of the well.

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-liquid ratio thereof determined, and

PROVIDED FURTHER, That the operator-applicant shall make any and all tests, including segregation tests, packer leakage tests on completion and during the annual deliverability test of the Blanco-Mesaverde Pool, 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 15 days after completion of such test, and submit packer setting affidavit within 15 days after completion, after remedial work or whenever the packer is disturbed; 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-liquid 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,

APPROVED at Santa Fe, New Mexico, on this 22nd day of October, 1956

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

A. L. PORTER, JR.  
Secretary-Director

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PROVIDED FURTHER, That the operator-applicant shall make any and all tests, including segregation tests, packer leakage tests on completion and during the annual deliverability test of the Blanco-Messavado Pool, 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 15 days after completion of such test, and submit packer setting affidavits within 15 days after completion, after remedial work or whenever the packer is disturbed; and

PROVIDED FURTHER, That upon the actual trial 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-liquid ratio and reservoir pressure determination of each producing zone or stratum immediately following completion.

IT IS FURTHER ORDERED, That production 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 corporate 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.

APPROVED at Santa Fe, New Mexico, on this 22nd day of October, 1964

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

Secretary-Director  
L. J. PORTER, JR.

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