

SUBJECT: DUAL COMPLETION (GAS-GAS)

April 8, 1957

THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS DAUM WELL NO. 4 (PM), LOCATED 1090 FEET FROM THE NORTH LINE AND 2240 FEET FROM THE EAST LINE OF SECTION 32, TOWNSHIP 28 NORTH, RANGE 9 WEST, NMPM, SAN JUAN COUNTY, NEW MEXICO, IN THE AZTEC-PICTURED CLIFFS POOL AND THE BLANCO MESAVERDE POOL.

Order No. DC-407

**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 April 8, 1957 for permission to dually complete its Daum Well No. 4 (PM), located 1090 feet from the North line and 2240 feet from the East line of Section 32, Township 28 North, Range 9 West, NMPM, San Juan County, New Mexico, in the Aztec-Pictured Cliffs Pool and in the Blanco Mesaverde 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 a waiver of objection has been received from the only offset operator.

IT IS THEREFORE ORDERED:

That the applicant, herein, El Paso Natural Gas Company, be and it hereby is authorized to dually complete its Daum Well No. 4 (PM), located 1090 feet from the North line and 2240 feet from the East line of Section 32, Township 28 North, Range 9 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Aztec-Pictured Cliffs Pool through proper perforation of the casing and through the casing-tubing annulus and the production of gas from the Blanco Mesaverde Pool through proper perforation of the liner and through the tubing, and with the installation of a suitable packer and 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. The results of these tests shall be reported to the Commission on Form C-103.

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 Form C-103, Form C-104, Form C-110 and Form 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-oil ratio thereof determined, and

April 8, 1957

SUBJECT: OIL CONSERVATION (C-103)

Order No. C-103



THE APPLICATION OF EL PASO NATURAL GAS COMPANY FOR PERMISSION TO EXERCISE LEASE COVENANTS OF ITS DAMM WELL NO. 4 (4M), LOCATED 1090 FEET FROM THE NORTH LINE AND 2340 FEET FROM THE EAST LINE OF SECTION 32, TOWNSHIP 28 NORTH, RANGE 2 WEST, HMPM, SAN JUAN COUNTY, NEW MEXICO, IN THE ALSO-PICTURED OLIVER POOL AND THE BLANCO RESERVOIR POOL.

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 April 8, 1957 for permission to qualify complete its Dam Well No. 4 (4M), located 1090 feet from the north line and 2340 feet from the east line of section 32, Township 28 North, Range 2 West, HMPM, San Juan County, New Mexico, in the Also-Pictured Oliver Pool and in the Blanco Reservoir Pool.

The Secretary-Inspector 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 a waiver of objection has been received from the only offset operator.

IT IS THEREFORE ORDERED:

That the applicant, herein, El Paso Natural Gas Company, be and it hereby is authorized to qualify complete its Dam Well No. 4 (4M), located 1090 feet from the north line and 2340 feet from the east line of section 32, Township 28 North, Range 2 West, HMPM, San Juan County, New Mexico, in such a manner as to permit the production of gas from the Also-Pictured Oliver Pool through proper protection of the casing and through the casing-feeding annulus and the production of gas from the Blanco Reservoir Pool through proper protection of the liner and through the tubing, and with the installation of a suitable packer and 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 zones.

PROVIDED HOWEVER, That prior to the actual well 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 immediately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

PROVIDED FURTHER, That upon the actual well completion of each subject well applicant shall submit to the appropriate District Office of the Commission, copies of Oil Conservation Commission Form C-103, Form C-104, Form C-112 and Form C-113 containing 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-oil ratio checked, determined, and

PROVIDED FURTHER, That the operator-applicant shall make any and all tests, including segregation tests and packer leakage tests upon completion and annually thereafter during the deliverability test period for 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 fifteen days after completion of such test, and further that operator shall submit a packer setting affidavit within fifteen days after completion and after remedial work whenever the packer is disturbed.

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.

APPROVED at Santa Fe, New Mexico, on this 8th day of April, 1957.

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 and packer leakage tests upon completion and annually thereafter during the deliverability test period for the Blanco Mesaverte 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 oilfield 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 fifteen days after completion of such test, and further that operator shall submit a packer setting affidavit within fifteen days after completion and after remedial work whenever the packer is disturbed.

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APPROVED at Santa Fe, New Mexico, on this 8th day of April, 1957.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,
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