

SUBJECT: DUAL COMPLETION (GAS-GAS)

September 23, 1956

THE APPLICATION OF MAGNOLIA PETROLEUM COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS JICARILLA "G" WELL NO. 1, LOCATED IN THE NE/4 NE/4 OF SECTION 35, TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM, RIO ARRIBA COUNTY, IN AN UNDESIGNATED PICTURED CLIFFS POOL AND AN UNDESIGNATED MESAVERDE POOL.

Order No. DC-348

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) Magnolia Petroleum Company made application to the New Mexico Oil Conservation Commission on September 13, 1956 for permission to dually complete its Jicarilla "G" Well No. 1, located 990 feet from the North and East lines and in the NE/4 NE/4 of Section 35, Township 27 North, Range 3 West, NMPM, Rio Arriba County, in an undesignated Pictured Cliffs Pool and an undesignated 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 no objections have been received within the waiting period as prescribed by said rule.

IT IS THEREFORE ORDERED:

That the applicant, herein, Magnolia Petroleum Company be and it hereby is authorized to dually complete its Jicarilla "G" Well No. 1, located in the NE/4 NE/4 of Section 35, Township 27 North, Range 3 West, NMPM, Rio Arriba County, New Mexico in such manner as to permit production of gas from the Pictured Cliffs formation of an undesignated Pictured Cliffs Pool by proper perforation of the casing through one string of tubing and the production of gas from the Mesaverde formation of an undesignated Mesaverde Pool by proper perforation of the liner through another string of 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, distillate, or distillate and gas from each separate stratum may be accurately measured and the gas distillate ratio thereof determined, and

Order No. WC-368

THE APPLICATION OF MAGNOLIA PETROLEUM COMPANY FOR PERMIT TO DRILL A WELL IN THE VICINITY OF ITS "C" WELL NO. 1, LOCATED IN THE NE 1/4 OF SECTION 32, TOWNSHIP 27 NORTH, RANGE 3 WEST, NMM, RIO ARIDIA COUNTY, IN AN UNDESIGNATED PICTURED CLIFFS POOL AND AN UNDESIGNATED MEASVERDE POOL.

ADMINISTRATIVE ORDER
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) Magnolia Petroleum Company made application to the New Mexico Oil Conservation Commission on September 13, 1950 for permission to drill a well in the vicinity of its "C" Well No. 1, located 230 feet from the North and East lines and in the NE 1/4 of Section 32, Township 27 North, Range 3 West, NMM, Rio Aridia County, in an undesignated Pictured Cliffs Pool and an undesignated Measverde 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 wells 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, Magnolia Petroleum Company be and it hereby is authorized to drill a well in the vicinity of its "C" Well No. 1, located in the NE 1/4 of Section 32, Township 27 North, Range 3 West, NMM, Rio Aridia County, New Mexico in such manner as to permit production of gas from the Pictured Cliffs formation of an undesignated Pictured Cliffs Pool by proper perforation of the casing through one string of tubing and the production of gas from the Measverde formation of an undesignated Measverde Pool by proper perforation of the liner through another string of 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.

That the applicant, herein, Magnolia Petroleum Company be and it hereby is authorized to drill a well in the vicinity of its "C" Well No. 1, located in the NE 1/4 of Section 32, Township 27 North, Range 3 West, NMM, Rio Aridia County, New Mexico in such manner as to permit production of gas from the Pictured Cliffs formation of an undesignated Pictured Cliffs Pool by proper perforation of the casing through one string of tubing and the production of gas from the Measverde formation of an undesignated Measverde Pool by proper perforation of the liner through another string of 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.

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 adequately repair the leak.

That upon the actual well completion of such subject well applicant shall submit to the appropriate District Office of the Commission copies of Oil Conservation Commission Forms O-100, Form O-110 and Form O-125 outlining the information required on those forms by existing Rules and Regulations and two copies of the electric log of the well.

That said subject well for well 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, distillate, or distillate and gas from each separate stratum may be accurately measured and the gas distillate 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 annually during the deliverability test for the Pictured Cliffs Pool and submit packer setting affidavit on completion after remedial work or whenever the packer is disturbed, 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 days after 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-distillate 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 23rd day of September, 1956.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, JR.
Secretary-Director

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PROVIDE FURTHER, that the operator-applcants shall make any and all tests, including seepage tests, packer leakage tests on completion and immediately during the delivery test for the required 1000 and 2000 gallon testing effort on completion after remedial work is whenever the packer is discarded, but not excluding other tests and/or determinations as 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 recorded by the applicant herein and all witnesses, and shall be filed with the Commission within ten days after completion of each test, and

PROVIDE FURTHER, that upon the actual final completion of each subject well, applicant shall submit to the Commission a descriptive 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-dissolve 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 23rd day of November, 1936.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. ROYER, JR.
Secretary-Inspector