

SUBJECT: DUAL COMPLETION (GAS-GAS)

September 23, 1956

THE APPLICATION OF MAGNOLIA PETROLEUM COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS JICARILLA "F" WELL NO. 1, LOCATED IN THE NW/4 NE/4 OF SECTION 22, TOWNSHIP 27 NORTH, RANGE 3 WEST, NMPM, RIO ARriba COUNTY, NEW MEXICO, IN AN UNDESIGNATED PICTURED CLIFFS POOL AND AN UNDESIGNATED MESA-VERDE POOL.

ORDER NO. DC-325

**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 "F" Well No. 1, located 990 feet from the North line and 1650 feet from the East line and in the NW/4 NE/4 of Section 22, Township 27 North, Range 3 West, NMPM, Rio Arriba County, New Mexico, 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 "F" Well No. 1, located in the NW/4 NE/4 of Section 22, 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 perforations 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 a 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. 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 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.

September 28, 1942

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Under the provisions of Title 113-4 (c) Magnolia electric Company made application to the New Mexico Oil Conservation Commission on December 13, 1950 for permission to legally complete the "Mirilla" No. 1, located 990 feet from the work line and 1650 feet from the East line and in the NW 1/4 of Section 22, Township 27 North, Range 3 East, N.M., Rio Arriba County, New Mexico, in an undesignated "Mirilla" Pool and an undesignated Mesavero Pool.

The Secretary-Treasurer:

(1) That application has been duly filed under the provisions of Sub-section 10 of Rule 113-A of the Commission's Rules and Regulations;

(2) That satisfactory information has been provided that all operators of offset systems have been duly notified; and

(3) That no objections have been received within the waiting period as prescribed by said rule.

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

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produced in such a manner that there will be no contribution 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.

The results of these tests will be reported to the Commission on Form C-103. The operator shall take appropriate steps to absolutely repair the leak. If the leak is not repaired, the operator shall take appropriate steps to absolutely repair the leak. The results of these tests will be reported to the Commission on Form C-103.

12. LEGAL COUNSEL. Just upon the actual date of completion of such subject well applied shall be made to the appropriate District Office of the Commission, copies of all Conservation Commission Forms C-101, Form C-110 and Form C-115 containing the information required on those forms in existing Rules and Regulations and two copies of the electronic 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 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 of 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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PROVIDED FURTHER, That said subject will for final completion and pro-
-duction shall be equipped in such a way that reservoir pressures may be deter-
-mined 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 distillate ratio thereby determined, and

PROVIDED FURTHER, That the operator-applicant shall make any and all
tests, including separation tests, pressure tests on completion and
analysis during the deliverability test of the fractured strata and submit
backer testing affidavit on completion after remedial work or whenever the backer
is disturbed but not including other tests and/or determinations at any con-
-venient time and in such manner as deemed necessary by the Commission; the origi-
-nal and all subsequent tests shall be witnessed by representatives of the Com-
-mission and by representatives of offset operators, if any there be, at their
election, and the results of each test properly witnessed 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 completion of such subject
well, applicant shall submit to the Commission a diagnostic sketch of the
-well and installation which was actually used to complete and produce the well
between the strata, and a special report of production gas-distillate ratio
and reservoir pressure determination of each production zone or stratum immed-
-iately following completion.

IT IS FURTHER ORDERED, That jurisdiction of this cause is hereby re-
-tained 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 a requirement of this order after
proper notice and hearing the Commission will terminate the authority hereby
-granted and require applicant or its successors and assigns to lift its activi-
-ties to regular single-zone production in the interests of conservation.

APPROVED at Dallas, Texas, New Mexico, on this 23rd day of October 1936.

CLARK H. NEWKIRK
Oil Conservation Commission

A. J. HOFFMAN, JR.
Secretary-Treasurer

