

Order No. DC-362

THE APPLICATION OF MAGNOLIA PETROLEUM COMPANY FOR PERMISSION TO EFFECT DUAL COMPLETION OF ITS CHENEY FEDERAL WELL NO. 1, LOCATED IN THE SW/4 SW/4 OF SECTION 8, TOWNSHIP 26 NORTH, RANGE 2 WEST, NMPM, RIO ARriba COUNTY, NEW MEXICO, IN AN UNDESIGNATED PICTURED CLIFFS GAS POOL AND AN UNDESIGNATED MESAVERDE GAS 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 February 7, 1957 for permission to dually complete its Cheney Federal Well No. 1, located 990 feet from the South line and 990 feet from the West line and in the SW/4 SW/4 of Section 8, Township 26 North, Range 2 West, NMPM, Rio Arriba County, New Mexico, in an undesignated Pictured Cliffs Gas Pool and an undesignated Mesaverde Gas 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 Cheney Federal Well No. 1, located in the SW/4 SW/4 of Section 8, Township 26 North, Range 2 West, NMPM, Rio Arriba County, New Mexico, in such manner as to permit production of gas from the Pictured Cliffs formation by proper perforation of the casing with gas production through one string of tubing from an undesignated Pictured Cliffs Gas Pool and the production of gas from the Mesaverde formation by proper perforation of a liner with gas production through a separate string of tubing from an undesignated Mesaverde Gas Pool and with 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 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-liquid ratios 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 Mesaverde Gas 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 (15) days after completion of such test, and submit a packer setting affidavit within fifteen (15) days of 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 ratios 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 15th day of February, 1957.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, JR.
Secretary-Director

SEAL

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-104, Form C-116 and Form C-122 containing the information required on those forms, 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 ratios thereof determined, and

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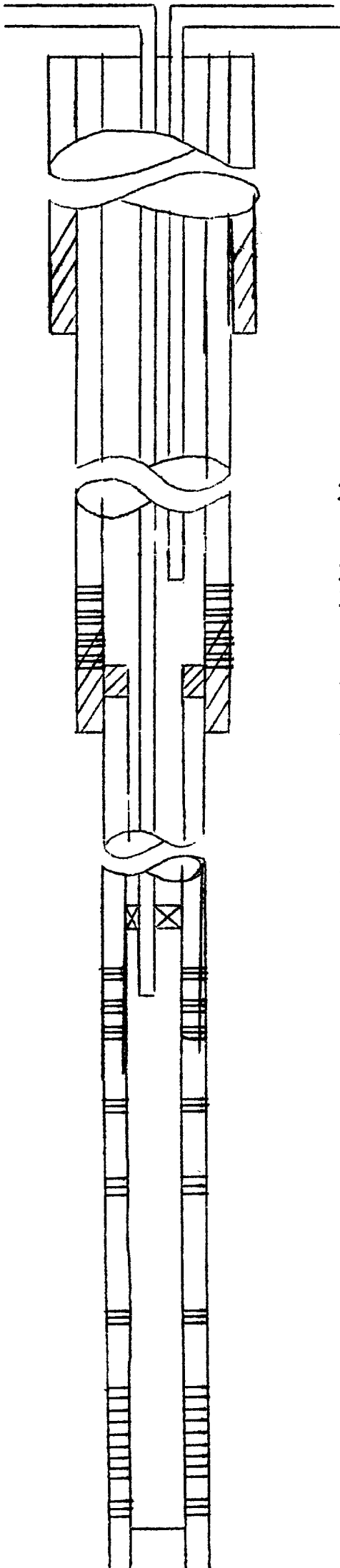
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w/ sides

Cheney Federal #1
SW/4 Sec. 8, T-26N, R2W
Rio Arriba County, New Mexico

DC-362

Ground Elevation 7223'



295' ← 10-3/4" casing set w/200 sacks circ.

3206' ← Top cement

3608' ← Top of Pictured Cliffs

3614' ← Bottom of 2" Tubing

3849' ← Top 5 1/2" liner squeezed w/100 sacks

3980' ← 7-5/8" casing set w/125 sacks

4270' ← Top of cement

5435' ← Baker Model "D" Packer

5495' ← Top of Mesa Verde

5499' ← Bottom of 2" Tubing

6105' ← Plugged back total depth

6150' ← 5 1/2" liner set w/225 sacks

Perforated with 6
shots per foot
3613 - 3637
3724 - 3749
3759 - 3765
3773 - 3777
Total 342 shots

Perforated with 6
shots per foot
5497 - 5506
5516 - 5537
5548 - 5570
5617 - 5622
5695 - 5707
5821 - 5829
5881 - 5914
5924 - 5942
5951 - 5972
5987 - 6000
Total 972 shots

