

THE APPLICATION OF CAULKINS OIL COMPANY  
FOR PERMISSION TO EFFECT DUAL COMPLETION  
OF ITS BREECH "F" WELL NO. MD-4, LOCATED  
IN THE NE/4 NE/4, SECTION 33, TOWNSHIP 27  
NORTH, RANGE 6 WEST, NMPM, RIO ARRIBA  
COUNTY, NEW MEXICO, TO PERMIT THE PRODUCTION  
OF GAS FROM THE MESAVERDE FORMATION ADJACENT  
TO THE BLANCO-MESAVERDE POOL, AND THE  
PRODUCTION OF GAS FROM THE DAKOTA FORMATION  
ADJACENT TO THE SOUTH BLANCO-DAKOTA POOL.

ORDER NO. DC-778



ADMINISTRATIVE ORDER  
OF THE OIL CONSERVATION COMMISSION

Under the provisions of Rule 112-A (c) Caulkins Oil Company made application to the New Mexico Oil Conservation Commission on June 18, 1959 for permission to dually complete its Breech "F" Well No. MD-4, located in the NE/4 NE/4, Section 33, Township 27 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, to permit the production of gas from the Mesaverde formation adjacent to the Blanco-Mesaverde Pool and the production of gas from the Dakota formation adjacent to the South Blanco-Dakota Pool.

Now, on this 23rd day of June, 1959, the Secretary-Director finds:

(1) That application has been duly filed under the provisions of Subsection '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.

(4) That the proposed dual completion will not cause waste nor impair correlative rights.

(5) That the mechanics of the proposed dual completion are feasible and consonant with good conservation practices.

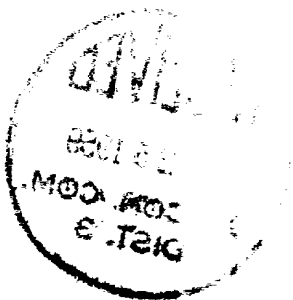
IT IS THEREFORE ORDERED:

That the applicant herein, Caulkins Oil Company be and the same is hereby authorized to dually complete its Breech "F" Well No. MD-4, located in the NE/4 NE/4, Section 33, Township 27 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, to permit the production of gas from the Mesaverde Formation adjacent to the Blanco-Mesaverde Pool, and the production of gas from the Dakota Formation adjacent to the South Blanco-Dakota Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the Dakota zone of the dual 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;



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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.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr.,  
Secretary-Director

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Figure 1. The effect of the number of nodes on the accuracy of the proposed method. The accuracy is measured by the percentage of correct classification. The number of nodes is 10, 20, 30, 40, 50, 60, 70, 80, 90, 100. The accuracy is 0.85, 0.90, 0.92, 0.94, 0.95, 0.96, 0.97, 0.98, 0.99, 1.00.

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