

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

*RC 9/27*  
*WJ 9/29*  
CASE NO. 11032  
ORDER NO. R-10205

**APPLICATION OF CONOCO, INC. FOR DOWNHOLE COMMINGLING, SAN JUAN  
COUNTY, NEW MEXICO**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on September 1, 1994 at Santa Fe, New Mexico, before Examiner Jim Morrow.

NOW, on this \_\_\_\_\_ day of September, 1994 the Division Director, having considered the testimony, the record and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) Case Nos. 11028, 11029, 11030, 11031, 11032, 11033, 11035 and 11036 were consolidated for the purpose of presenting testimony at the hearing.

(3) In Case No. 11032, the applicant, Conoco, Inc. (Conoco), seeks approval for the downhole commingling of production from the Glades Fruitland Sand, Blanco-Pictured Cliffs and Blanco Mesaverde Pools in its State Com S Well No. 15A, located 790 feet from the North line and 1150 feet from the West line (Unit D) of Section 36, Township 32 North, Range 12 West, NMPM, San Juan County, New Mexico.

(4) The NW/4 of said Section 36 (160 acres) is dedicated to both the Glades Fruitland Sand and the Blanco-Pictured Cliffs completions and the N/2 of Section 36 (320 acres) is dedicated to the Blanco Mesaverde completion. The same working interests and royalty interests share ownership in all three completions but the division of ownership among the owners is different in the two upper completions from that in the Mesaverde.

(5) Conoco submitted data showing that the owners of interests in the well and offset operators have been notified of the application. No interest owner or offset operator appeared at the hearing in opposition to the application. A letter of approval from the New Mexico Commissioner of Public Lands was submitted into the record.

(6) Data was presented at the hearing showing that all three completions are low volume producers and that the Pictured Cliffs and Fruitland Sand completions are below the economic limit. The proposed commingling is necessary to permit the zones to be produced economically.

(7) Based on the bottomhole pressure data presented at the hearing, there should be no cross flow between zones. The bottomhole pressures are 270 psia in the Fruitland Sand, 424 psia in the Pictured Cliffs and 464 psia in the Mesaverde.

(8) No reservoir damage due to incompatibility of reservoir fluids is expected.

(9) Commingling is expected to increase total recovery by 104.7 MMCF in 10 years.

(10) Conoco proposed a method of allocating gas production to the ~~two~~<sup>three</sup> zones based on current producing rates and relative BTU values. Using current tests, 27.86% of production would be allocated to the Fruitland Sand, 11.56% to the Pictured Cliffs and 60.58% to the Mesaverde. Final percentages would be determined based on a combined test following commingling. It is expected that total commingled production will show an increase due to the removal of packers from the well. Conoco proposes that any increase be attributed to the lower (Mesaverde) zone. Final percentages for gas allocation would be determined after consulting with the supervisor of the Aztec District Office of the Division.

(11) Conoco submitted tests and production records to support their proposal that any condensate production be allocated to the Mesaverde following commingling.

(12) Approval of this application is in the best interest of conservation and will serve to prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The application of Conoco, Inc. for authority to downhole commingle production from the Glades-Fruitland Sand, Blanco-Pictured Cliffs and Blanco Mesaverde Pools in its State Com S Well

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No. 15A, located 790 feet from the North line and 1150 feet from the West line (Unit D) of Section 36, Township 32 North, Range 12 West, NMPM, San Juan County, New Mexico, is hereby approved.

(2) Conoco shall consult with the Supervisor of the Aztec District Office in determining the proper allocation of gas production using the method discussed in Finding Paragraph No. (10) of this order.

(3) Final gas allocation percentages shall be reported by Conoco to the Santa Fe Office of the Division referencing this case and order number.

(4) The operator is responsible for reporting the monthly gas production from the subject well using the allocation method herein adopted.

(5) Any condensate production shall be allocated entirely to the Mesaverde interval.

(6) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION

WILLIAM J. LEMAY  
Director

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