



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Farmington District Office  
1235 La Plata Highway  
Farmington, New Mexico 87401

IN REPLY REFER TO:  
SF-078499 (WF)  
3162.7-3 (07327)

October 16, 1996

Ms. Pamela W. Staley  
Amoco Production Company  
P.O. Box 800  
Denver, CO 80201

RE: Downhole Commingling Application  
No. 4 Tapp LS  
800' FSL & 840' FWL  
Section 16, T. 28 N., R. 8 W.  
San Juan County, New Mexico

Dear Ms. Staley:

The Farmington District Office (FDO) of the Bureau of Land Management (BLM) has received your letter dated September 17, 1996, applying for downhole commingling approval for the Aztec Pictured Cliffs and Blanco Mesaverde Pools in the above referenced well.

For September 1996, the Pictured Cliffs formation is producing 11 MCFD and 0 BCPD with a BTU value of 1155, and the Mesaverde is producing 92 MCFD and 0 BCPD with a BTU value of 1160. Historically, the Mesaverde formation has averaged condensate production that is < .1 BCPD. Corrected bottom hole pressures are 460 psi for the Pictured Cliffs and 610 psi for the Mesaverde. Using these values, the fixed percentage for allocated production for each formation has been determined as follows:

| FORMATION       | GAS PRODUCTION | OIL PRODUCTION |
|-----------------|----------------|----------------|
| Pictured Cliffs | 10%            | 0%             |
| Mesaverde       | 90%            | 100%           |

Approval to downhole commingle the Pictured Cliffs and Mesaverde formations for the above referenced well is hereby granted.

If you have further questions regarding this matter, please contact Brian W. Davis at (505) 599-6367 or (505) 599-8900.

Sincerely,

/s/ Duane W. Spencer

Duane W. Spencer  
Team Leader, Petroleum Management

bcc:  
NMOCD, Santa Fe ✓