

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

5. Lease Serial No. **SF - 081098-A**

6. If Indian, Allottee or tribe Name

7. If Unit or CA Agreement, Name and No

8. Lease Name and Well No.

**Florance Gas Com D 4B**

9. API Well No.

**30045 31892**

10. Field and Pool, or Exploratory

**Blanco Mesaverde**

11. Sec., T., R., M., or Blk. and survey or Area

**F Sec. 10, T30N, R09W**

12. County or Parish

**San Juan**

13. State

**New Mexico**

17. Spacing Unit dedicated to this well

**320 w/p**

20. BLM/BIA Bond No. on file

**WY2924**

23. Estimated duration

**5 Days**

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

*Mary Corley*

Name (Printed/typed)

**Mary Corley**

Date

**09/15/2003**

Title

**Senior Regulatory Analyst**

Approved by (Signature)

**/s/ David J. Markiewicz**

Name (Printed/Typed)

Date

**OCT 16 2003**

Title

Office

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct Operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE  
SUBJECT TO COMPLIANCE WITH ATTACHED  
"GENERAL REQUIREMENTS".

NMOC

District I  
PO Box 1980, Hobbs NM 88241-1980  
District II  
PO Drawer KK, Artesia, NM 87211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-31892	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name BLANCO MESAVERDE
<sup>4</sup> Property Code 000535	<sup>5</sup> Property Name FLORANCE GAS COM D	<sup>6</sup> Well Number # 4B
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name BP AMERICA PRODUCTION COMPANY	<sup>9</sup> Elevation 6136

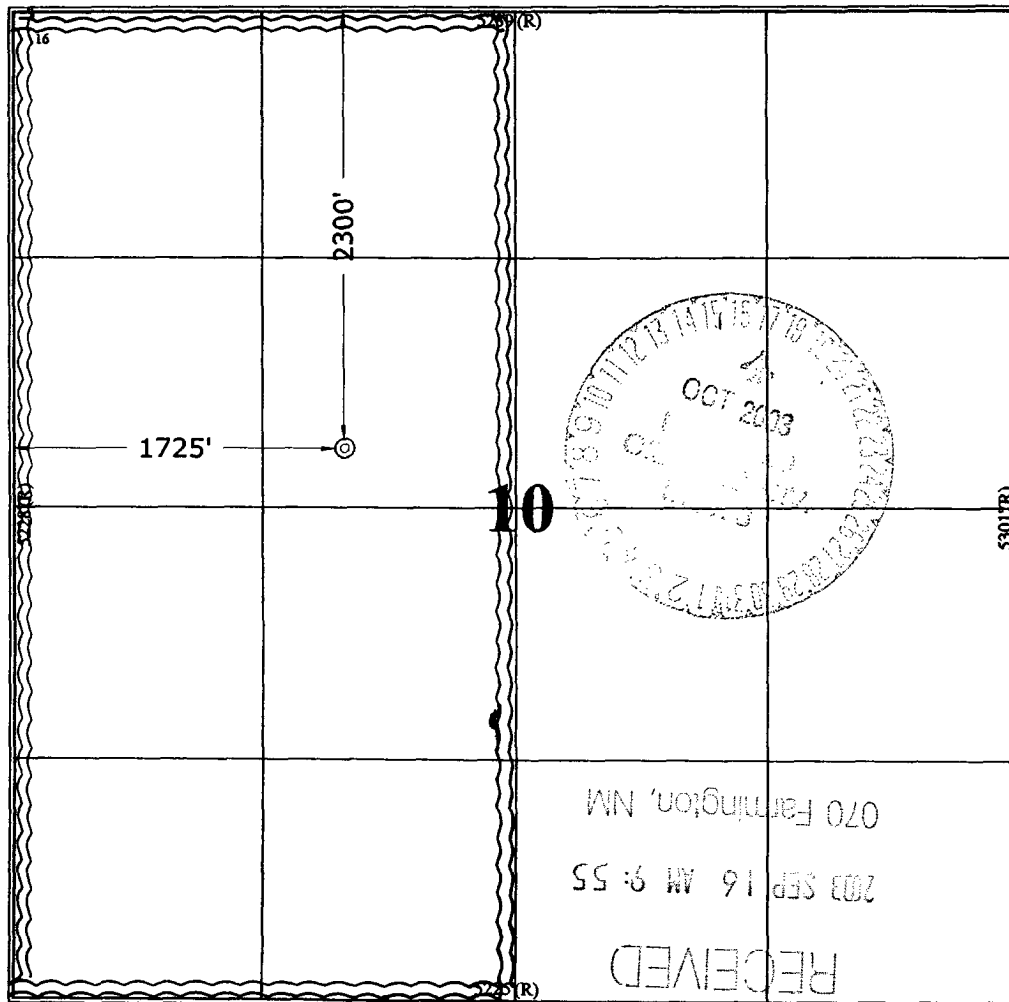
<sup>10</sup> Surface Location

UL or Lot No. F	Section 10	Township 30 N	Range 9 W	Lot Idn	Feet from the 2300	North/South line NORTH	Feet from the 1725	East/West line WEST	County SAN JUAN
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<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>7</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div></div>	<div><p><sup>17</sup> OPERATOR CERTIFICATION</p><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p><p>Signature: <i>Mary Correy</i> Printed Name: MARY CORREY Title: Sr. Regulatory Analyst Date: 09.15.2003</p><p><sup>18</sup> SURVEYOR CERTIFICATION</p><p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p><p>April 3, 2003</p><p>Date of Survey</p><p>Signature and Seal of Professional Surveyor: <i>[Signature]</i></p><p>7016 Certificate Number</p></div>
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**BP AMERICA PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAM**

**Prospect Name:** Florance GC D  
**Lease:** Florance GC D  
**County:** San Juan  
**State:** New Mexico  
**Date:** August 12, 2003

**Well No:** 4 B  
**Surface Location:** 10-30N-9W, 2300 FNL, 1725 FWL  
**Field:** Blanco Mesaverde

<b>OBJECTIVE:</b> Drill 400' below the top of the Point Lookout Sandstone, set 4 1/2" production liner, Stimulate CH, MF and PL intervals																																																										
<b>METHOD OF DRILLING</b> TYPE OF TOOLS                      DEPTH OF DRILLING Rotary                                  0 - TD			<b>APPROXIMATE DEPTHS OF GEOLOGICAL MARKER</b> Estimated GL: 6136'                      Estimated KB: 6150'																																																							
<b>LOG PROGRAM</b> TYPE                                  DEPTH INTERVAL <u>OPEN HOLE</u> None  <u>CASED HOLE</u> GR-CCL-TDT                      TDT - TD to 7" shoe CBL                                  Identify 4 1/2" cement top			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>MARKER</th> <th></th> <th>SUBSEA</th> <th>TVD</th> </tr> <tr><td>Ojo Alamo</td><td></td><td>4535</td><td>1615</td></tr> <tr><td>Kirtland</td><td></td><td>4372</td><td>1778</td></tr> <tr><td>Fruitland</td><td></td><td>3826</td><td>2324</td></tr> <tr><td>Fruitland Coal</td><td>*</td><td>3518</td><td>2632</td></tr> <tr><td>Pictured Cliffs</td><td>*</td><td>3216</td><td>2934</td></tr> <tr><td>Lewis</td><td>*</td><td>2963</td><td>3187</td></tr> <tr><td>Cliff House</td><td>#</td><td>1699</td><td>4451</td></tr> <tr><td>Menefee</td><td>#</td><td>1361</td><td>4789</td></tr> <tr><td>Point Lookout</td><td>#</td><td>993</td><td>5157</td></tr> <tr><td>Mancos</td><td></td><td>695</td><td>5455</td></tr> <tr><td colspan="2"><b>TOTAL DEPTH</b></td><td>593</td><td>5557</td></tr> <tr> <td colspan="2"># Probable completion interval</td> <td colspan="2">* Possible Pay</td> </tr> </table>				MARKER		SUBSEA	TVD	Ojo Alamo		4535	1615	Kirtland		4372	1778	Fruitland		3826	2324	Fruitland Coal	*	3518	2632	Pictured Cliffs	*	3216	2934	Lewis	*	2963	3187	Cliff House	#	1699	4451	Menefee	#	1361	4789	Point Lookout	#	993	5157	Mancos		695	5455	<b>TOTAL DEPTH</b>		593	5557	# Probable completion interval		* Possible Pay	
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<b>REMARKS:</b> - Please report any flares (magnitude & duration).																																																										
<b>SPECIAL TESTS</b> TYPE None			<b>DRILL CUTTING SAMPLES</b> FREQUENCY      DEPTH None                      Production hole		<b>DRILLING TIME</b> FREQUENCY      DEPTH Geograph              0-TD																																																					
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<b>REMARKS:</b> (1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.																																																										
<b>CASING PROGRAM:</b> (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)																																																										
<b>Casing String</b>	<b>Estimated Depth</b>	<b>Casing Size</b>	<b>Grade</b>	<b>Weight</b>	<b>Hole Size</b>	<b>Landing Pt, Cmt, Etc.</b>																																																				
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	12.25"	1																																																				
Intermediate 1	2582	7"	J/K-55 ST&C	20#	8.75"	1,2																																																				
Production	5557	4 1/2"	J-55	10.5#	6.25"	3,4																																																				
<b>REMARKS:</b> (1) Circulate Cement to Surface (2) Set casing 50' above Fruitland Coal (3) Bring cement 100' above 7" shoe (4) 100' Overlap																																																										
<b>CORING PROGRAM:</b> None																																																										
<b>COMPLETION PROGRAM:</b> Rigless, 2-3 Stage Limited Entry Hydraulic Frac																																																										
<b>GENERAL REMARKS:</b> Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.																																																										
Form 46 Reviewed by:			Logging program reviewed by: N/A																																																							
<b>PREPARED BY:</b>		<b>APPROVED:</b>		<b>DATE:</b>																																																						
HGJ/MNP/JMP				August 12, 2003																																																						
				Version 1.0																																																						
Form 46 12-00 MNP																																																										

# BP America Production Company

## BOP Pressure Testing Requirements

Well Name: Florance GC D  
County: San Juan

4 B  
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1615		
Fruitland Coal	2632		
PC	2934		
Lewis Shale	3187		
Cliff House	4451	500	0
Menefee Shale	4789		
Point Lookout	5157	600	0
Mancos	5455		
Dakota	-	2600	1374

\*\* Note: Determined using the following formula:  $ABHP - (.22 \times TVD) = ASP$

Requested BOP Pressure Test Exception: **750 psi**

**SAN JUAN BASIN**  
**Dakota Formation**  
**Pressure Control Equipment**

### Background

The objective Dakota formation maximum surface pressure is anticipated to be less than 1000 psi, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 psi. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 psi system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 psi rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth in the Basin Dakota. No abnormal temperature, pressure, or H2S anticipated.

### Equipment Specification

#### Interval

#### BOP Equipment

Below conductor casing to total depth 11" nominal or 7 1/16", 3000 psi  
double ram preventer with rotating head.

All ram type preventers and related control equipment will be hydraulically tested to 250 psi (low pressure) and 2000 psi (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, upper kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure.