

RECEIVED

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

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

5. Lease Serial No. **SF - 080000**

6. If Indian, Allottee or tribe Name

If Unit or CA Agreement, Name and No

1a. Type of Work:

☒ DRILL

☐ REENTER

1b. Type of Well:

☒ Oil Well

☐ Gas Well Gas

☐ Other

☐ Single Zone

☐ Multiple Zone

8. Lease Name and Well No.

**Florance 24B**

2. Name of Operator

**BP America Production Company Attn: Mary Corley**

9. API Well No.

**3004531779**

3a. Address

**P.O. Box 3092 Houston, Texas 77253**

3b. Phone No. (include area code)

**281-366-4491**

10. Field and Pool, or Exploratory

**Blanco Mesaverde**

4. Location of Well (Report location clearly and in accordance with any State requirements.)

At surface **2180' FNL & 1755' FEL**

At proposed prod. Zone

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

**6 Sec. 23, T29N, R09W**

14. Distance in miles and direction from nearest town or post office\*

12. County or Parish

**San Juan**

13. State

**New Mexico**

15. Distance from proposed\*

Location to nearest  
Property or lease line, ft.

(Also to nearest drig. Ujnit line, if any) **855'**

16. No. of Acres in lease

**296.5**

17. Spacing Unit dedicated to this well

**296.54 E/2**

18. Distance from proposed location\*

to nearest well, drilling, completed,  
applied for, on this lease, ft.

**1400'**

19. Proposed Depth

**5172'**

20. BLM/BIA Bond No. on file

**WY2924**

21. Elevations (show whether DF, KDB., RT, GL, etc.)

**5998' GL**

22. Approximate date work will start\*

**September 01, 2003**

23. Estimated duration

**7 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

**07/08/2003**

Title

**Senior Regulatory Analyst**

Approved by (Signature)

**David J. Mankiewicz**

Name (Printed/Typed)

Date

**AUG 11 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)

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

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

NMOCD

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 30-045-31779	<sup>2</sup> Pool Code 72319	<sup>3</sup> Pool Name Blanco Mesaverte
<sup>4</sup> Property Code 000518	<sup>5</sup> Property Name Florance	<sup>6</sup> Well Number # 24B
<sup>7</sup> OGRID No. 000778	<sup>8</sup> Operator Name BP AMERICA PRODUCTION COMPANY	<sup>9</sup> Elevation 5998

<sup>10</sup> Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G (Lot 7)	23	29 N	9 W		2180	NORTH	1755	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

<sup>12</sup> UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>13</sup> Dedicated Acres 296.49	<sup>14</sup> Joint or Infill	<sup>15</sup> Consolidation Code	<sup>16</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

<sup>16</sup>				<sup>17</sup> OPERATOR CERTIFICATION			
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.							
Signature Mary Cooley							
Printed Name Mary Cooley							
Title Sr. Regulatory Analyst							
Date 07-08-2003							
<sup>18</sup> SURVEYOR CERTIFICATION							
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.							
June 9, 2003							
Date of Survey							
Signature and Seal of Professional Surveyor							
GARY D. VANN NEW MEXICO REGISTERED PROFESSIONAL LAND SURVEYOR 7016							
7016 Certificate Number							

**BP AMERICA PRODUCTION COMPANY  
DRILLING AND COMPLETION PROGRAM**

**Well No:** 24 B  
**Surface Location:** 23-29N-9W, 2180 FNL, 1755 FEL  
**Field:** Blanco Mesaverde

**OBJECTIVE:** Drill 400' below the top of the Point Lookout Sandstone, set 41/2" production liner, Stimulate CH, MF and PL intervals

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS		Estimated GL: 5998'		Estimated KB: 6012'	
Rotary					
DEPTH OF DRILLING					
0 - TD					
LOG PROGRAM					
TYPE					
DEPTH INVERAL					
<u>OPEN HOLE</u>					
None					
<u>CASED HOLE</u>					
GR-CCL-TDT		TDT – TD to 7" shoe			
CBL		Identify 4 ½" cement top			
REMARKS:					
- Please report any flares (magnitude & duration).					
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY		FREQUENCY	
None		DEPTH		DEPTH	
		None		Geolograph	
		Production hole		0-TD	
REMARKS:					

MUD PROGRAM:							
Approx. Interval			Type Mud	Weight, #/gal	Vis, sec/qt	W/L cc's/30 min	Other Specification
0	-	120	Spud	8.6-9.2			
120	-	2146	Water/LSND	8.6-9.2		<6	
2146	-	5172	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore			

(1) The hole will require sweeps to keep unloaded while fresh water drilling. Let hole conditions dictate frequency.

**CASING PROGRAM:** (Normally, tubular goods allocation letter specifies casing sizes to be used. Hole sizes will be governed by Contract)

Casing String	Estimated Depth	Casing Size	Grade	Weight	Hole Size	Landing Pt, Cmt, Etc.
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	13.5"	1
Intermediate 1	2146	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	5172	4 1/2"	J-55	10.5#	6.25"	3,4

- (1) Circulate Cement to Surface
- (2) Set casing 50' above Fruitland Coal
- (3) Bring cement 100' above 7" shoe
- (4) 100' Overlap

None

### Rigless, 3-4 Stage Limited Entry Hydraulic Frac

**Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.**

Logging program reviewed by: N/A

**APPROVED:**

**June 18, 2003**

**Version 1.0**

Form 46 12-00 MNP

# BP America Production Company

## BOP Pressure Testing Requirements

Well Name: Florance  
County: San Juan

24 B  
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1460		
Fruitland Coal	2196		
PC	2517		
Lewis Shale	2729		
Cliff House	4074	500	0
Menefee Shale	4316		
Point Lookout	4772	600	0
Mancos	5070		
Dakota	-		

\*\* 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

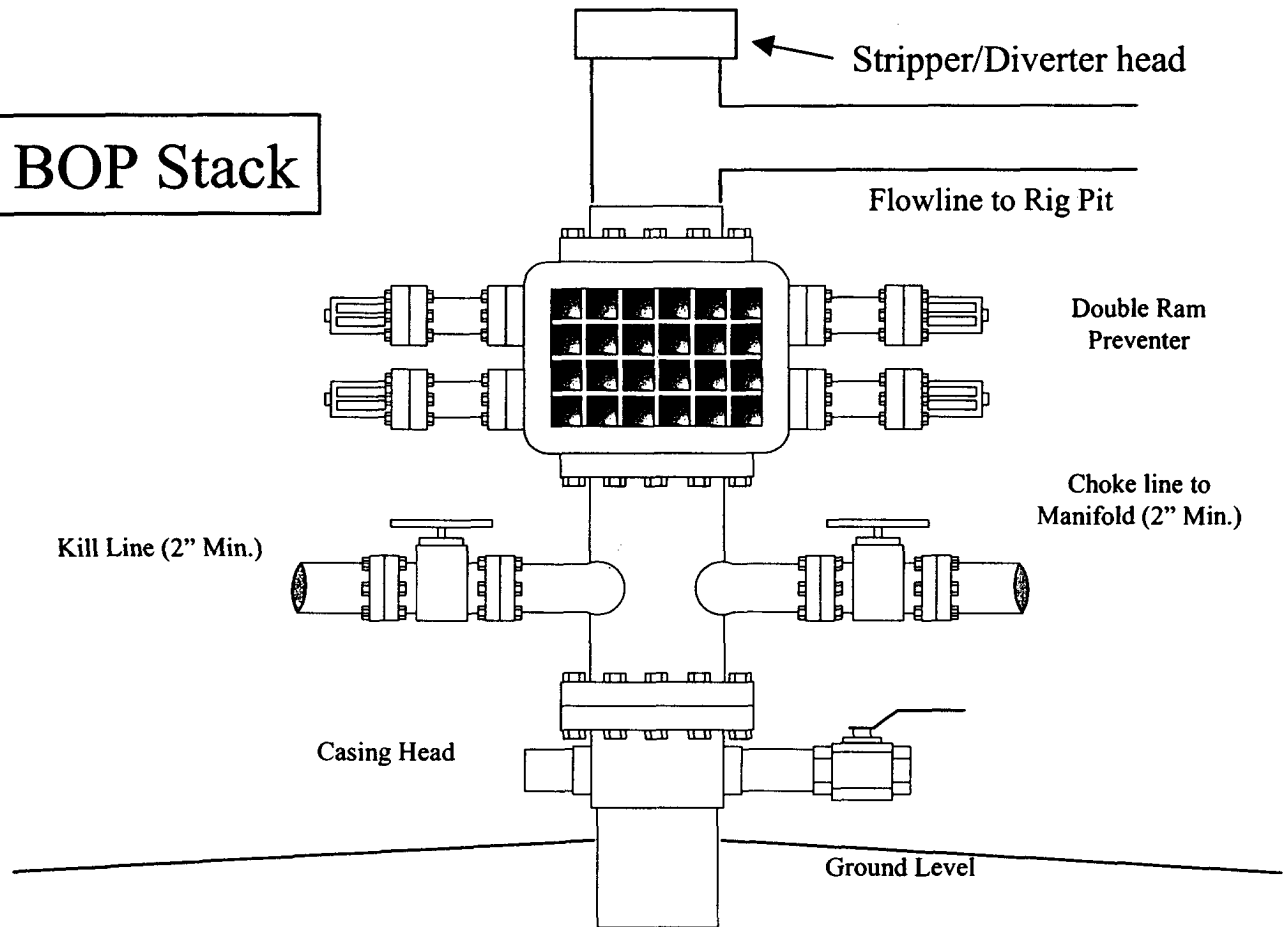
11" nominal or 7 1/16", 3000 psi  
double ram preventer with rotating head.

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.

**BP American Production Company**  
Well Control Equipment Schematic



**BOP Stack**



**Choke & Kill Manifold**

