

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

## APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF - 078499
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator BP AMERICA PRODUCTION COMPANY		7. If Unit or CA Agreement, Name and No.
Contact: MARY CORLEY E-Mail: corleyml@bp.com		8. Lease Name and Well No. TAPP 4M
3a. Address P.O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	9. API Well No. 3004531719
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SWSE Lot O 700FSL 2115FEL 36.39400 N Lat, 107.40000 W Lon At proposed prod. zone		10. Field and Pool, or Exploratory BASIN DAKOTA/BLANCO MESAVERDE
14. Distance in miles and direction from nearest town or post office* 24 MILES TO BLOOMFIELD, NEW MEXICO		11. Sec., T., R., M., or Blk. and Survey or Area Sec 15 T28N R8W Mer NMP 0
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 700	16. No. of Acres in Lease 320.00	12. County or Parish SAN JUAN
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 600	19. Proposed Depth 7380 MD	13. State NM
21. Elevations (Show whether DF, KB, RT, GL, etc.) 6379 GL	22. Approximate date work will start 08/21/2003	17. Spacing Unit dedicated to this well 20.00 5/2
		18. BLM/BIA Bond No. on file WY2924
		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 (Electronic Submission)	Name (Printed/Typed) MARY CORLEY	Date 06/09/2003
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) /s/ Stephen Mason	Name (Printed/Typed)	Date JUL - 3 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.

## Additional Operator Remarks (see next page)

Electronic Submission #22962 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

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".

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

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 30-045-31719		<sup>2</sup> Pool Code 71599, 72319		<sup>3</sup> Pool Name BASIN DAKOTA 3 BLANCO MESAVERDE		
<sup>4</sup> Property Code 001159		<sup>5</sup> Property Name Tapp			<sup>6</sup> Well Number # 4M	
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP AMERICA PRODUCTION COMPANY			<sup>9</sup> Elevation 6379	

<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
O	15	28 N	8 W		700	SOUTH	2115	EAST	SAN JUAN

<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

<sup>16</sup>				5293(R)				<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: <i>Mary Orley</i> Printed Name: Mary Orley Title: Sr. Regulatory Analyst Date: 05-29-2003			
								<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. Date of Survey: April 28, 2003 Signature and Seal of Professional Surveyor:			
								7016 Certificate Number			

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

**Prospect Name:** Tapp  
**Lease:** Tapp  
**County:** San Juan  
**State:** New Mexico  
**Date:** June 9, 2003

**Well No:** 4M  
**Surface Location:** 15-28N-8W, 700 FSL, 2115 FEL  
**Field:** Blanco Mesaverde/Basin Dakota

<b>OBJECTIVE:</b> Drill 230' below the base of the Two Wells, set 41/2" production casing, Stimulate CH, MF, PL and DK intervals							
<b>METHOD OF DRILLING</b>				<b>APPROXIMATE DEPTHS OF GEOLOGICAL MARKER</b>			
TYPE OF TOOLS		DEPTH OF DRILLING		Estimated GL: 6379		Estimated KB: 6393	
Rotary		0 - TD					
<b>LOG PROGRAM</b>							
<b>TYPE</b>		<b>DEPTH INVERAL</b>		<b>MARKER</b>		<b>SUBSEA</b>	
<u>OPEN HOLE</u>						<b>MEAS. DEPTH</b>	
none							
<u>CASED HOLE</u>							
GR-CCL-TDT		TDT - TD to 7" shoe					
CBL		Identify 4 1/2" cement top					
REMARKS: - Please report any flares (magnitude & duration).				Ojo Alamo		4486 1907	
				Kirtland		4381 2012	
				Fruitland		4044 2349	
				Fruitland Coal		* 3794 2599	
				Pictured Cliffs		* 3546 2847	
				Lewis Shale		* 3378 3015	
				Cliff House		# 2002 4391	
				Menefee Shale		# 1766 4627	
				Point Lookout		# 1311 5082	
				Mancos		# 902 5491	
		Greenhorn		-645 7038			
		Bentonite Marker		-708 7101			
		Two Wells		# -756 7149			
		Pagate		# -847 7240			
		Cubero Upper		# -880 7273			
		Cubero Lower		# -907 7300			
				TOTAL DEPTH		-987 7380	
				# Probable completion interval		* Possible Pay	
<b>SPECIAL TESTS</b>				<b>DRILL CUTTING SAMPLES</b>		<b>DRILLING TIME</b>	
TYPE				FREQUENCY DEPTH		FREQUENCY DEPTH	
None				none Production hole		Geolograph 0-TD	
REMARKS:							

<b>MUD PROGRAM:</b>						
<b>Approx. Interval</b>	<b>Type Mud</b>	<b>Weight, #/ga</b>	<b>Vis, sec/qt</b>	<b>W/L cc's/30 min</b>	<b>Other Specification</b>	
0 - 200	Spud	8.6-9.2				
200 - 3115 (1)	Water/LSND	8.6-9.2		<6		
3115 - 7380	Gas/Air/N2/Mist	Volume sufficient to maintain a stable and clean wellbore				
REMARKS: (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	200	9 5/8"	H-40 ST&C	32#	13.5"	1
Intermediate 1	3115	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	7380	4 1/2"	J-55	11.6#	6.25"	3
REMARKS: (1) Circulate Cement to Surface (2) Set casing 100' into Lewis Shale (3) Bring cement 100' above 7" shoe						

<b>CORING PROGRAM:</b>						
None						

<b>COMPLETION PROGRAM:</b>						
Rigless, 3-4 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				May 20, 2003		
				Version 1.0		
Form 46 12-00 MNP						

# BP America Production Company

## BOP Pressure Testing Requirements

Well Name: Tapp  
County: San Juan

4M  
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1907		
Fruitland Coal	2599		
PC	2847		
Lewis Shale	3015		
Cliff House	4391	500	0
Menefee Shale	4627		
Point Lookout	5082	600	0
Mancos	5491		
Dakota	7149	2600	1556

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

Requested BOP Pressure Test Exception: 1500 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.