

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator: BP AMERICA PRODUCTION COMPANY
Contact: MARY CORLEY
E-Mail: corleyml@bp.com

3a. Address
P.O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.0700

5. Lease Serial No.
SF - 078132

6. If Indian, Allottee or Tribe Name

If Unit or CA Agreement, Name and No.

8. Lease Name and Well No.
A L ELLIOTT C 4M

9. API Well No.

10. Field and Pool, or Exploratory
BASIN DAKOTA/BLANCO MESAVERDE

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

At surface NWNE Lot B 1070FNL 2105FEL 36.48300 N Lat, 107.45900 W Lon
At proposed prod. zone NENW Lot C 660FNL 2410FWL 36.48300 N Lat, 107.45900 W Lon

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

Sec 15 T29N R9W Mer NMP

14. Distance in miles and direction from nearest town or post office*
15 MILES TO BLOOMFIELD, NEW MEXICO

12. County or Parish
SAN JUAN

13. State
NM

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1070

16. No. of Acres in Lease
306.99

17. Spacing Unit dedicated to this well
306.99 N/2

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
500'

19. Proposed Depth
7179 MD

20. BLM/BIA Bond No. on file
WY2924

21. Elevations (Show whether DF, KB, RT, GL, etc.)
5943 GL

22. Approximate date work will start
07/20/2003

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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- 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
05/13/2003

Title
AUTHORIZED REPRESENTATIVE

Approved by (Signature)

Name (Printed/Typed)

Date
JUL - 9 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)

HOLD C104 FOR Directional Survey

Electronic Submission #21773 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 **

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

¹ API Number 30-045-31675		² Pool Code 72319-71599		³ Pool Name BLANCO MESAVERDE ? BASIN DAKOTA	
⁴ Property Code 000461		⁵ Property Name A.L. Elliott		⁶ Well Number C	
⁷ OGRID No. 000778		⁸ Operator Name BP AMERICA PRODUCTION COMPANY		⁹ Elevation 5943	

¹⁰ Surface Location

UL or Lot No. B (Lot 2)	Section 15	Township 29 N	Range 9 W	Lot Idn	Feet from the 1070	North/South line NORTH	Feet from the 2105	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. C	Section 15	Township 29 N	Range 9 W	Lot Idn	Feet from the 660	North/South line NORTH	Feet from the 2410	East/West line WEST	County SAN JUAN
¹² Dedicated Acres 306.99		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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

¹⁶																¹⁷ 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 Colley</i> Printed Name Mary Colley Title Sr. Regulatory Analyst Date 05.13.2003			
¹⁸ 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 21, 2003 Signature and Seal of Professional Surveyor 7016 Certificate Number																			

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

Prospect Name: A. L. Elliott C
Lease: A. L. Elliott C
County: San Juan
State: New Mexico

Well No: 4M
Surface Location: 15-29N-9W, 1070 FNL, 2105 FEL
Field: Blanco Mesaverde/Basin Dakota
Bottom Hole Location: 15-29N-9W, 660FNL, 2410 FWL

Date: May 08, 2003

OBJECTIVE: Drill 200' below the top of the Two Wells (DKOT), set 4.5" production casing across Dakota, Stimulate CH, MF, PL and DK intervals							
METHOD OF DRILLING				APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS Rotary		DEPTH OF DRILLING 0 - TD		Estimated GL: 5943		Estimated KB: 5957	
LOG PROGRAM							
TYPE		DEPTH INTERVAL		MARKER		TVD	
<u>OPEN HOLE</u>						MD	
<u>CASED HOLE</u>							
GR-CCL-TDT		TDT - TD to 7" shoe					
CBL		Identify 4.5" cement top					
REMARKS: - Please report any flares (magnitude & duration).				Ojo Alamo		1308'	
				Kirtland Shale		1498'	
				Fruitland		2052'	
				Fruitland Coal		2325'	
				Pictured Cliffs		2583'	
				Lewis Shale		2761'	
				Cliff House		4004'	
				Menefee Shale		4279'	
				Point Lookout		4725'	
				Mancos		5104'	
				Greenhorn		6732'	
				Bentonite Marker		6790'	
				Two Wells		6843'	
				Pagate		6936'	
				Cubero		6963'	
Lower Cubero		6982'					
Encinal Canyon		7014'					
		TOTAL DEPTH				7179'	
				# Probable completion interval		* Possible Pay	
SPECIAL TESTS				DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE None				FREQUENCY DEPTH none Production hole		FREQUENCY DEPTH Geolograph 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 - 2986 (1)		Water/LSND	8.6-9.2				
2986 - 7179		Gas/Air/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.							
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	2986	7"	J/K-55 ST&C	20#	8.75"	1,2	
Production	7179	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							
CORING PROGRAM: None							
COMPLETION PROGRAM: Rigless, 3-4 Stage Limited Entry Hydraulic Frac							
GENERAL REMARKS: Notify BLM/NMOCDD 24 hours prior to Spud, BOP testing, and Casing and Cementing.							
Form 46 Reviewed by:				Logging program reviewed by: N/A			
PREPARED BY:		APPROVED:		DATE:			
KAS/MNP/JMP				May 08, 2003			
Form 46 12-00 MNP				Version 1.0			

BP America Production Company

BOP Pressure Testing Requirements

Well Name: A. L. Elliott C
County: San Juan

4M
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1308		
Fruitland Coal	2325		
PC	2583		
Lewis Shale	2761		
Cliff House	4004	500	0
Menefee Shale	4279		
Point Lookout	4725	600	0
Mancos	5104		
Dakota	6843	2600	1500

** 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.