

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

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface: SENW Lot F 1940FNL 1640FWL 36.41100 N Lat, 107.39000 W Lon
At proposed prod. zone

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

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
980

16. No. of Acres in Lease
320.00

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

19. Proposed Depth
7185 MD

21. Elevations (Show whether DF, KB, RT, GL, etc.)
6257 GL

22. Approximate date work will start
08/01/2003

5. Lease Serial No.
SF - 079938

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
758

8. Lease Name and Well No.
JONES A 1M

9. API Well No.
30-045-31720

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

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 35 T29N R8W Mer NMP
F

12. County or Parish
SAN JUAN

13. State
NM

17. Spacing Unit dedicated to this well
320.00 W/2

20. 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 06/04/2003

Title
AUTHORIZED REPRESENTATIVE

Approved by (Signature) Name (Printed/Typed) Date

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 #22749 verified by the BLM Well Information System
For BP AMERICA PRODUCTION COMPANY, sent to the Farmington

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

This action is subject to technical and
procedural requirements of 43 CFR 3165.3
and applicable BLM orders.

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

NMOCOD

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 30-045-31720		2 Pool Code 71599 72319		3 Pool Name Basin Dakota Blanco Mesaverde	
4 Property Code 000578		5 Property Name 758 Jones A		6 Well Number # 1M	
7 OGRID No. 000178		8 Operator Name BP AMERICA PRODUCTION COMPANY		9 Elevation 6257	

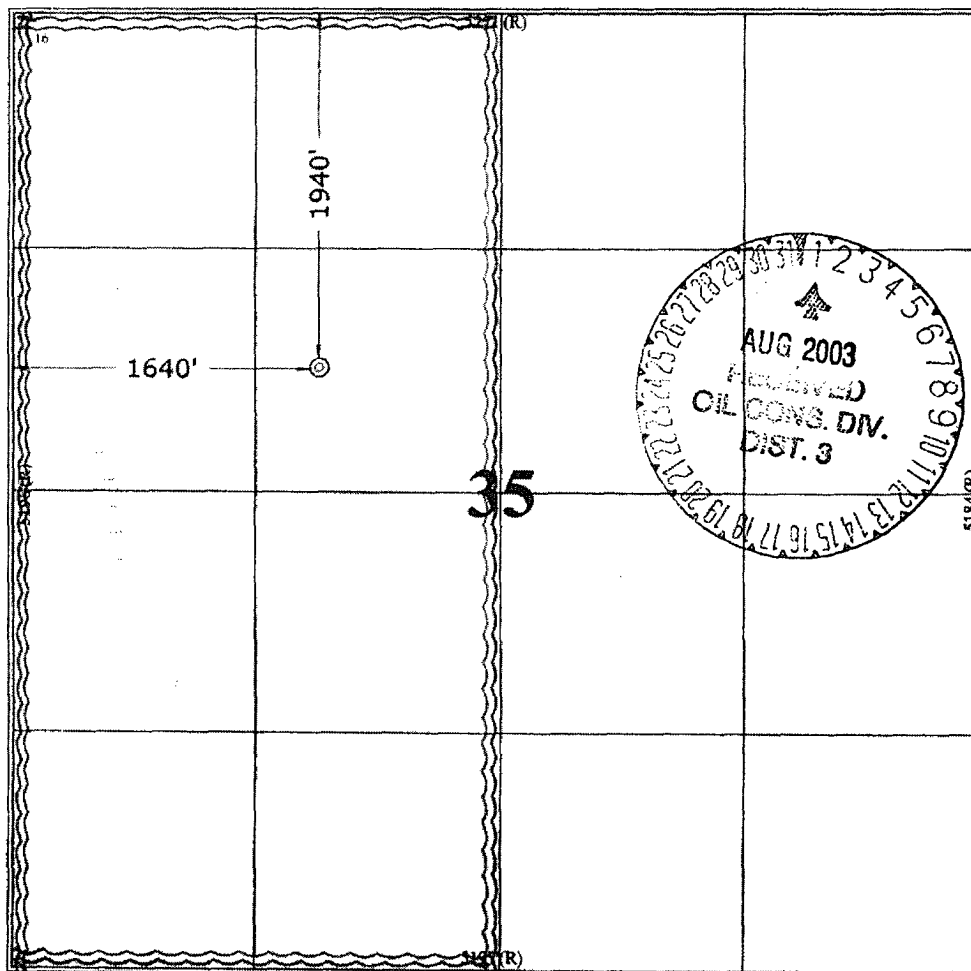
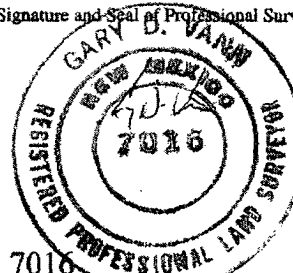
10 Surface Location

UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	35	29 N	8 W		1940	NORTH	1640	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

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

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

	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Mary Corley Signature Mary Corley Printed Name SE Regulatory Analyst Title 06-03-2003 Date
	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. May 19, 2003 Date of Survey GARY B. VANN Signature and Seal of Professional Surveyor  7016 Certificate Number

(R) -BLM Record

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMSF079938

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

BP AMERICA PRODUCTION CO

Contact: MARY CORLEY

E-Mail: corleyml@bp.com

3a. Address

P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281.366.4463

Fx: 281.366.0760

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 35 T29N R8W SENW Lot F 1940FNL 1640FWL
36.41100 N Lat, 107.39000 W Lon8. Well Name and No.
JONES A 1M

9. API Well No.

30-045-31720-00-X1

10. Field and Pool, or Exploratory

BASIN DAKOTA
BLANCO MESAVERDE

11. County or Parish, and State

SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Please note the correct ground elevation and formation tops for the subject on the attached Form.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #23633 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by Adrienne Garcia on 06/26/2003 (03AXG1468SE)**

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/25/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

/s/ David J. Mankiewicz

Title

JUL 29 2003

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

NMOCD

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

Prospect Name: Jones A
Lease: Jones A
County: San Juan
State: New Mexico
Date: May 20,, 2003

Well No: 1M
Surface Location: 35-29N-8W, 1940 FNL, 1640 FWL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 240' 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		DEPTH OF DRILLING		Estimated GL: 6257		Estimated KB: 6271'					
Rotary		0 - TD									
LOG PROGRAM											
TYPE		DEPTH INVERAL									
<u>OPEN HOLE</u>											
<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).				MARKER		SUBSEA		MEAS. DEPTH			
				Ojo Alamo			4424'		1847'		
				Kirtland Shale			4297'		1974'		
				Fruitland			4116'		2155'		
				Fruitland Coal		*	3729'		2543'		
				Pictured Cliffs		*	3451'		2820'		
				Lewis Shale		#	3270'		3001'		
				Cliff House		#	1974'		4297'		
				Menefee Shale		#	1706'		4565'		
				Point Lookout		#	1274'		4996'		
				Mancos			814'		5457'		
				Greenhorn			-682'		6953'		
				Bentonite Marker			-744'		7015'		
				Two Wells		#	-786'		7057'		
				Paguete		#	-890'		7161'		
Cubero		#	-922'		7193'						
Lower Cubero		#	-965'		7236'						
Encinal Canyon		#	-1000'		7271'						
TOTAL DEPTH						-1026'		7297'			
				# Probable completion interval		* Possible Pay					
SPECIAL TESTS				DRILL CUTTING SAMPLES		DRILLING TIME					
TYPE				FREQUENCY		DEPTH		FREQUENCY		DEPTH	
None				none		Production hole		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 - 2989 (1)		Water/LSND	8.6-9.2								
2989 - 7185		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	2989	7"	J/K-55 ST&C	20#	8.75"	1,2					
Production	7185	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/NMOCD 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 20,2003					
						Version 1.0					
Form 46 12-00 MNP											

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Jones A
County: San Juan

1M
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1735		
Fruitland Coal	2431		
PC	2708		
Lewis Shale	2889		
Cliff House	4185	500	0
Menefee Shale	4453		
Point Lookout	4884	600	0
Mancos	5345		
Dakota	6945	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.