

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. SF - 079511-A
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well Gas <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or tribe Name
2. Name of Operator BP America Production Company Attn: Mary Corley		7. If Unit or CA Agreement, Name and No
3a. Address P.O. Box 3092 Houston, Texas 77253	3b. Phone No. (include area code) 281-366-4491	8. Lease Name and Well No. Lindsey A LS 1B
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 730' FNL & 1535' FEL At proposed prod. Zone		9. API Well No. 3004531899
10. Field and Pool, or Exploratory Blanco Mesaverde		11. Sec., T., R., M., or Blk, and survey or Area B Sec. 19, T30N, R08W
14. Distance in miles and direction from nearest town or post office* 18 miles from Aztec, New Mexico		12. County or Parish San Juan
15. Distance from proposed* Location to nearest Property or lease line, ft. (Also to nearest drig. Ujnit line, if any) 730'		13. State New Mexico
16. No. of Acres in lease 321.82		17. Spacing Unit dedicated to this well 321.82 E/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 75'		20. BLM/BIA Bond No. on file WY2924
21. Elevations (show whether DF, KDB., RT, GL, etc.) 5830' GL		22. Approximate date work will start* December 01, 2003
		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. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 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). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature <i>Mary Corley</i>	Name (Printed/typed) Mary Corley	Date 0918/2003
Title Senior Regulatory Analyst		
Approved by (Signature) <i>David J. Mankiewicz</i>	Name (Printed/typed) David J. Mankiewicz	Date OCT 20 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 ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

NMOCD

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

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 30-045-3889		² Pool Code 72319		³ Pool Name BLANCO MESA VERDE	
⁴ Property Code 000797		⁵ Property Name Lindsey A LS			⁶ Well Number # 1B
⁷ OGRID No. 000778		⁸ Operator Name BP AMERICA PRODUCTION COMPANY			⁹ Elevation 5830

¹⁰ Surface Location

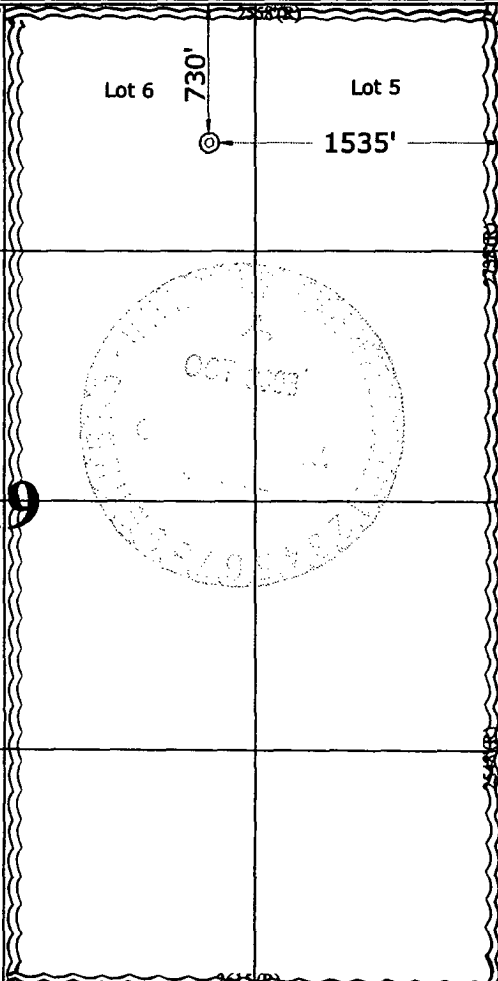
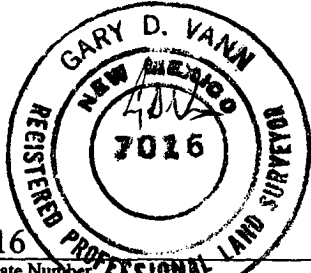
UL or Lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B (Lot 6)	19	30 N	8 W		730	NORTH	1535	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

¹² UL or lot no.	¹³ Section	¹⁴ Township	¹⁵ Range	¹⁶ Lot Idn	¹⁷ Feet from the	¹⁸ North/South line	¹⁹ Feet from the	²⁰ East/West line	²¹ County
321.82									

²² Dedicated Acres	²³ Joint or Infill	²⁴ Consolidation Code	²⁵ Order No.
321.82			

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	509'(R)	1278'(R)		¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature <u>Mary Corley</u> Printed Name <u>MARY CORLEY</u> Title <u>SA. REGULATORY ANALYST</u> Date <u>09.18.2003</u>
	Lot 1	Lot 5		
	Lot 2			
	Lot 3			
5298'(R)			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 <u>April 2, 2003</u> Signature and Seal of Professional Surveyor  Certificate Number <u>7016</u>	
Lot 4				
622'(R)		1517'(R)		

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

Prospect Name: Lindsey A LS
Lease: Lindsey A LS
County: San Juan
State: New Mexico
Date: August 12, 2003

Well No: 1 B
Surface Location: 19-30N-8W, 730 FNL, 1535 FEL
Field: Blanco Mesaverde

OBJECTIVE: Drill 420' 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		DEPTH OF DRILLING		Estimated GL: 5830'		Estimated KB: 5844'	
Rotary		0 - TD					
LOG PROGRAM				MARKER			
TYPE		DEPTH INVERAL				SUBSEA	
OPEN HOLE						TVD	
None							
CAGED HOLE							
GR-CCL-TDT		TDT - TD to 7" shoe					
CBL		Identify 4 1/2" cement top					
REMARKS: - Please report any flares (magnitude & duration).				Ojo Alamo		4471	
				Kirtland		4271	
				Fruitland		3800	
				*		3550	
				*		3245	
				*		2992	
				#		1750	
				#		1430	
				#		1064	
						678	
				TOTAL DEPTH		644	
				# Probable completion interval		* Possible Pay	
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 - 2245 (1)	Water/LSND	8.6-9.2		<6		
2245 - 5200	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.						

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#	12.25"	1
Intermediate 1	2245	7"	J/K-55 ST&C	20#	8.75"	1,2
Production	5200	4 1/2"	J-55	10.5#	6.25"	3,4
REMARKS: (1) Circulate Cement to Surface (2) Set casing 50' above Fruitland Coal (3) Bring cement 100' above 7" shoe (4) 100' Overlap						

CORING PROGRAM: None	
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COMPLETION PROGRAM: Rigless, 2-3 Stage Limited Entry Hydraulic Frac	
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GENERAL REMARKS: Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.	
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Form 46 Reviewed by:	Logging program reviewed by: N/A
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PREPARED BY: HGJ/MNP/JMP	APPROVED:	DATE: August 12, 2003 Version 1.0
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Form 46 12-00 MNP

BP America Production Company

BOP Pressure Testing Requirements

Well Name: Lindsey A LS
County: San Juan

1 B
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1373		
Fruitland Coal	2295		
PC	2599		
Lewis Shale	2852		
Cliff House	4095	500	0
Menefee Shale	4414		
Point Lookout	4780	600	0
Mancos	5166		
Dakota	-	2600	1374

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

Requested BOP Pressure Test Exception: 750 psi

SAN JUAN BASIN
Mesaverde 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.
