

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM 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.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

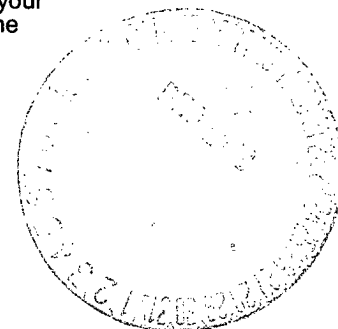
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF079511A
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM73379
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700		8. Well Name and No. LINDSEY A LS 1B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T30N R8W NWNE 730FNL 1535FEL		9. API Well No. 30-045-31899-00-X1
		10. Field and Pool, or Exploratory 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

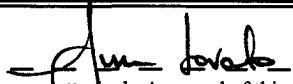
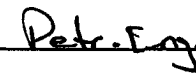
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths 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.)

Original APD submitted on 09/18/2003 and approved on 10/20/2003. BP America submits for your approval amendements to the casing size and cementing program for the subject well as per the attached documents.



14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #25179 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 12/09/2003 (04AXG1889SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 11/17/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title 	Date 12/12/03
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 ****

NMCCD

**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 Rotary		DEPTH OF DRILLING 0 - TD		Estimated GL: 5830'		Estimated KB: 5844'																																												
LOG PROGRAM																																																		
TYPE <u>OPEN HOLE</u> None		DEPTH INVERAL																																																
<u>CASED HOLE</u> GR-CCL-TDT		TD to 7" shoe																																																
REMARKS: - Please report any flares (magnitude & duration).				MARKER																																														
				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Ojo Alamo</td> <td style="width:33%;"></td> <td style="width:33%;">SUBSEA</td> <td style="width:33%;">TVD</td> </tr> <tr> <td>Kirtland</td> <td></td> <td>4471</td> <td>1373</td> </tr> <tr> <td>Fruitland</td> <td></td> <td>4271</td> <td>1573</td> </tr> <tr> <td>Fruitland Coal</td> <td>*</td> <td>3800</td> <td>2045</td> </tr> <tr> <td>Pictured Cliffs</td> <td>*</td> <td>3550</td> <td>2295</td> </tr> <tr> <td>Lewis</td> <td>*</td> <td>3245</td> <td>2599</td> </tr> <tr> <td>Cliff House</td> <td>*</td> <td>2992</td> <td>2852</td> </tr> <tr> <td>Menefee</td> <td>#</td> <td>1750</td> <td>4095</td> </tr> <tr> <td>Point Lookout</td> <td>#</td> <td>1430</td> <td>4414</td> </tr> <tr> <td>Mancos</td> <td>#</td> <td>1064</td> <td>4780</td> </tr> <tr> <td></td> <td></td> <td>678</td> <td>5166</td> </tr> </table>			Ojo Alamo		SUBSEA	TVD	Kirtland		4471	1373	Fruitland		4271	1573	Fruitland Coal	*	3800	2045	Pictured Cliffs	*	3550	2295	Lewis	*	3245	2599	Cliff House	*	2992	2852	Menefee	#	1750	4095	Point Lookout	#	1430	4414	Mancos	#	1064	4780			678	5166
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TOTAL DEPTH			644		5200																																													
				# Probable completion interval * Possible Pay																																														
SPECIAL TESTS				DRILL CUTTING SAMPLES		DRILLING TIME																																												
TYPE None				FREQUENCY	DEPTH	FREQUENCY DEPTH																																												
				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 - 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	8 5/8"	X-42, ST&C	20#	12.25"	1																																												
Intermediate 1	2245	5 1/2"	J -55 ST&C	15.5#	7.875"	1,2																																												
Production	5200	2 7/8"	J-55	6.5#	4.75"	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																																																		
COMPLETION PROGRAM: Rigless, 2-3 Stage Limited Entry Hydraulic Frac																																																		
GENERAL REMARKS: Notify BLM/NMOC 24 hours prior to Spud, BOP testing, and Casing and Cementing.																																																		
Form 46 Reviewed by:			Logging program reviewed by: N/A																																															
PREPARED BY: DB/MNP/JMP		APPROVED:		DATE: October 29, 2003 Version 2.0																																														
Form 46 12-00 MNP																																																		

BOP Test Pressure

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

Cementing Program

Well Name: Lindsey A LS 1B
 Location: 19-30N-08W, 730 FNL, 1535 FEL
 County: San Juan
 State: New Mexico

Field: Blanco Mesaverde
 API No.
 Well Flac
 Formation: MesaVerde
 KB Elev (est) 5844
 GL Elev. (est) 5830

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)
Surface	120	12 1/4	8 5/8	ST&C	Surface	NA
Intermediate	2245	7 7/8	5 1/2	ST&C	Surface	NA
Production -	5200	4 3/4	2 7/8		2145	NA

Casing Properties:

(No Safety Factor Included)

Casing String	Size (in.)	Weight (lb/ft)	Grade	Burst (psi.)	Collapse (psi.)	Joint St. (1000 lbs.)	Capacity (bbl/ft.)	Drift (in.)
Surface	8 5/8	24	X42	2950	1370	244	0.06368	7.972
Intermediate	5 1/2	15.5	J55	4810	4040	202	0.0238	5.067
Production -	2 7/8	6.5	J-55	7264	7676	72	0.00579	2.375

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	Recommended Mud Properties Prio Cementing:
0 - SCP	Water/Spud	8.6-9.2	Fluid Loss <6
SCP - ICP	Water/LSND	8.6-9.2	
ICP - TD	Gas/Air Mist	NA	

Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	100	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	72	110	159
Time Between Stages, (hr)	NA	NA	NA
Special Instructions	1,6	1,6	2,6

1. Do not wash pumps and lines.
2. Wash pumps and lines.
3. Reverse out
4. Run Blend Test on Cement
5. Record Rate, Pressure, and Density on 3.5" disk
6. Confirm densitometer with pressurized mud scales
7. 1" cement to surface if cement is not circulated.
8. If cement is not circulated to surface, run temp. survey 10-12 hr. after landing plug.

Surface:

Preflush	20 bbl.	FreshWater	
Slurry 1	90 sx Class G Cement		
TOC@Surface	+ 3% CaCl ₂ (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		0.3961 cuft/ft OH
	0.1% D46 antifoam		100 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

104
85 cuft

Intermediate:

Cementing Program

Fresh Water 20 bbl fresh water

Lead
Slurry 1
TOC@Surface

230 sx Class "G" Cement
+ 3% D79 extender
+ 1/4 #/sk. Cellophane Flake
+ 0.1% D46 antifoam'

400
~~587~~ cuft

Tail
Slurry 2

500 ft fill

70 sx 50/50 Class "G"/Poz
+ 2% gel (extender)
0.1% D46 antifoam
+ 1/4 #/sk. Cellophane Flake
+ 2% S1 Calcium Chloride

87 cuft

0.1733 cuft/ft OH
0.2009 cuft/ft csg ann
80 % excess

Slurry Properties:

Density
(lb/gal)

Yield
(ft³/sk)

Water
(gal/sk)

Slurry 1

11.7

2.61

17.77

Slurry 2

13.5

1.27

5.72

Production:

Fresh Water

10 bbl

CW100

Slurry

140 LiteCrete D961 / D124 / D154
+ 0.03 gps D47 antifoam
+ 0.5% D112 fluid loss
+ 0.11% D65 TIC

353
~~338~~ cuft

TOC@Liner Top

Slurry Properties:

Density
(lb/gal)

Yield
(ft³/sk)

Water
(gal/sk)

Slurry

9.5

2.52

6.38

0.078 cuft/ft OH
40 % excess
0.0886 cuft/ft csg ann