

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.**

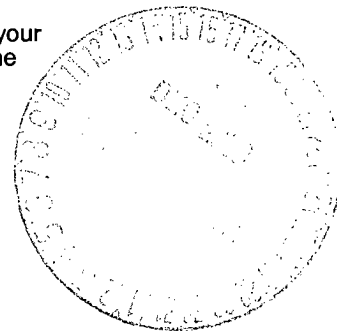
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF081098A
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
Contact: MARY CORLEY E-Mail: corleym@bp.com		7. If Unit or CA/Agreement, Name and/or No. NMNM73116
3a. Address P. O. BOX 3092 HOUSTON, TX 77253	3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700	8. Well Name and No. FLORANCE GAS COM D 4B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 10 T30N R9W SENW 2300FNL 1725FWL		9. API Well No. 30-045-31892-00-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 09/15/2003 and approved on 10/19/2003. 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. <b>Electronic Submission #25178 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 (04AXG1888SE)</b>	
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 Petr. Eng	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 BLM-FA

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:** Florance GC D  
**Lease:** Florance GC D  
**County:** San Juan  
**State:** New Mexico  
**Date:** October 24, 2003

**Well No:** 4 B  
**Surface Location:** 10-30N-9W, 2300 FNL, 1725 FWL  
**Field:** Blanco Mesaverde

<b>OBJECTIVE:</b> Drill 400' below the top of the Point Lookout Sandstone, set 41/2" production liner, Stimulate CH, MF and PL intervals						
<b>METHOD OF DRILLING</b>				<b>APPROXIMATE DEPTHS OF GEOLOGICAL MARKER</b>		
TYPE OF TOOLS		DEPTH OF DRILLING		Estimated GL: 6136'		Estimated KB: 6150'
Rotary		0 - TD				
<b>LOG PROGRAM</b>						
TYPE		DEPTH INVERTAL				
<u>OPEN HOLE</u>						
None						
<u>CASED HOLE</u>						
GR-CCL		TD to 7" shoe				
REMARKS: - Please report any flares (magnitude & duration).				MARKER		
				SUBSEA		
				TVD		
				Ojo Alamo	4535	1615
				Kirtland	4372	1778
				Fruitland	3826	2324
				Fruitland Coal	*	2632
				Pictured Cliffs	*	2934
				Lewis	*	3187
				Cliff House	#	4451
				Menefee	#	4789
				Point Lookout	#	5157
				Mancos	695	5455
				TOTAL DEPTH		5557
				# 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>						
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 - 2582 (1)		Water/LSND	8.6-9.2		<6	
2582 - 5557		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)						
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	2582	5 1/2"	J-55 ST&C	15.5#	7.875"	1,2
Production	5557	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						
<b>CORING PROGRAM:</b> None						
<b>COMPLETION PROGRAM:</b> Rigless, 2-3 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		
PREPARED BY:		APPROVED:		DATE:		
BD/MNP/JMP				October 24, 2003		
				Version 2.0		
Form 46 12-00 MNP						

## BOP Test Pressure

### BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance GC D  
County: San Juan

4 B  
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1615		
Fruitland Coal	2632		
PC	2934		
Lewis Shale	3187		
Cliff House	4451	500	0
Menefee Shale	4789		
Point Lookout	5157	600	0
Mancos	5455		
Dakota	-	2600	1374

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

Requested BOP Pressure Test Exception: 750 psi

# Cementing Program

<b>Well Name:</b> Florance GC D4B <b>Location:</b> 10-30N-09W, 2300 FNL, 1725 FWL <b>County:</b> San Juan <b>State:</b> New Mexico	<b>Field:</b> Blanco Mesaverde <b>API No.</b> <b>Well Flac</b> <b>Formation:</b> MesaVerde <b>KB Elev (est)</b> 6150 <b>GL Elev. (est)</b> 6136
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## 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	2582	7 7/8	5 1/2	ST&C	Surface	NA
Production -	5557	4 3/4	2 7/8		2482	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	<u>Recommended Mud Properties Prio Cementing:</u>
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.	Fresh Water	
Slurry 1	90 sx Class G Cement		104 93 cuft
TOC@Surface	+ 3% CaCl <sub>2</sub> (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 <sup>3</sup> /sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

## Intermediate:

# Cementing Program

Fresh Water	20 bbl	fresh water	
Lead		270 sx Class "G" Cement	704 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+1/4 #/sk. Cellophane Flake	
		+ 0.1% D46 antifoam	
Tail		70 sx 50/50 Class "G"/Poz	87 cuft
Slurry 2		+ 2% gel (extender)	
500 ft fill		0.1% D46 antifoam	
		+1/4 #/sk. Cellophane Flake	0.1733 cuft/ft OH
		+ 2% S1 Calcium Chloride	0.2009 cuft/ft csg ann
			80 % excess
Slurry Properties:	Density (lb/gal)	Yield (ft <sup>3</sup> /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	353
		+ 0.03 gps D47 antifoam	<del>337</del> cuft
		+ 0.5% D112 fluid loss	
TOC@Liner Top		+ 0.11% D65 TIC	
			0.078 cuft/ft OH
Slurry Properties:	Density (lb/gal)	Yield (ft <sup>3</sup> /sk)	Water (gal/sk)
Slurry	9.5	2.52	6.38
			40 % excess
			0.0886 cuft/ft csg ann