

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.
NMSF080004

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.8. Well Name and No.
FLORANCE R 8B9. API Well No.
30-045-31963-00-X110. Field and Pool, or Exploratory
BLANCO MESAVERDE11. County or Parish, and State
SAN JUAN COUNTY, NM

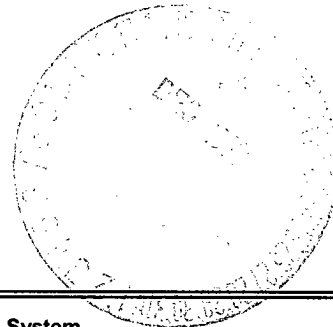
1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator
BP AMERICA PRODUCTION COContact: MARY CORLEY
E-Mail: corleym@bp.com3a. Address
P. O. BOX 3092
HOUSTON, TX 772533b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.07004. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 14 T30N R9W NWSE Lot J Tract J 1400FSL 2275FEL
36.48500 N Lat, 107.44900 W Lon**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 10/14/2003, EC Transmission #24176. BP America submits for your approval amendments 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 #25663 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 12/10/2003 (04AXG1916SE)

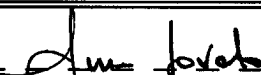
Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 12/03/2003

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

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 ****

NMOC

Prospect Name: Florance R
Lease: Florance R
County: San Juan
State: New Mexico
Date: December 2, 2003

Well No: 8 B
Surface Location: 14-30N-9W, 1400 FSL, 2275 FEL
Field: Blanco Mesaverde

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Estimated GL: 5990'		Estimated KB: 6004'	
Rotary	0 - TD				
LOG PROGRAM		MARKER		SUBSEA	TVD
TYPE	DEPTH INVERAL	Ojo Alamo		4428	1576
<u>OPEN HOLE</u>		Kirtland		4349	1655
None		Fruitland		3814	2190
		Fruitland Coal	*	3534	2470
		Pictured Cliffs	*	3259	2745
		Lewis	*	3009	2995
<u>CASED HOLE</u>		Cliff House	#	1718	4286
GR-CCL-TDT	TDT – TD to 7" shoe	Menefee	#	1412	4593
CBL	Identify 4 ½" cement top	Point Lookout	#	1018	4986
		Mancos		674	5330
REMARKS:					
- Please report any flares (magnitude & duration).					
		TOTAL DEPTH		618	5386
		# 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	- 2420	Water/LSND	8.6-9.2		<6	
2420	- 5386	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	2420	5 1/2"	J -55 ST&C	15.5#	7.875"	1,2
Production	5386	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 5 1/2" shoe
- (4) 100' Overlap

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:

December 2 2003
Version 2.0

HGJ/MNP/JMP

Form 46 12-00 MNP

BOP Test Pressure

BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance R
County: San Juan

8 B
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1576		
Fruitland Coal	2470		
PC	2745		
Lewis Shale	2995		
Cliff House	4286	500	0
Menefee Shale	4593		
Point Lookout	4986	600	0
Mancos	5330		
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: Florance R8B
 Location: 14-30N-09W, 1400 FSL, 2275 FEL
 County: San Juan
 State: New Mexico

Field: Blanco Mesaverde
 API No.
 Well Flac
 Formation: MesaVerde
 KB Elev (est) 6004
 GL Elev. (est) 5990

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	2420	7 7/8	5 1/2	ST&C	Surface	NA
Production -	5386	4 3/4	2 7/8		2320	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 Lost <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% CaCl2 (accelerator)		
	0.25 #/sk Cellophane Flake (lost circulation additive)		
	0.1% D46 antifoam		
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

104
~~85~~ cuft

0.3961 cuft/ft OH
 100 % excess

Intermediate:

Fresh Water	20 bbl	fresh water
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Cementing Program

Lead	250 sx Class "G" Cement	648 ^{u53} 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)	
	0.1% D46 antifoam	
500 ft fill	+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 (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
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Slurry	140 LiteCrete D961 / D124 / D154	353 ³³⁸ cuft
	+ 0.03 gps D47 antifoam	
	+ 0.5% D112 fluid loss	
TOC@Liner Top	+ 0.11% D65 TIC	

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	0.078 cuft/ft OH
Slurry	9.5	2.52	6.38	40 % excess
				0.0886 cuft/ft csg ann