

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.

5. Lease Serial No.
NMSF080004

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
NNNM73108

8. Well Name and No.
FLORANCE GAS COM E 9B

9. API Well No.
30-045-31947-00-X1

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. County or Parish, and State
SAN JUAN COUNTY, NM

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: corleymf@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 (Footage, Sec., T., R., M., or Survey Description)
Sec 13 T30N R9W SWSE 830FSL 2080FEL

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 recomplate 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 recompletion 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 10/06/2003, and approved on 12/09/2003.

BP America submits for your approval amendments to the casing size and cementing program for the subject well as per the attached documents.

CONDITIONS OF APPROVAL

Adhere to previously issued stipulations.

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

Electronic Submission #26787 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 01/15/2004 (04AXG0180SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 01/13/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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

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

Prospect Name: Florance GC E

Lease: Florance GC E

County: San Juan

State: New Mexico

Date: December 11, 2003

Well No: 9 B

Surface Location: 13-30N-9W, 830 FNL, 2080 FEL

Field: Blanco Mesaverde

OBJECTIVE: Drill 400' below the top of the Point Lookout Sandstone, set 2 7/8" production long string, Stimulate CH, MF and PL intervals						
METHOD OF DRILLING				APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS		DEPTH OF DRILLING		Estimated GL: 5781'		Estimated KB: 5795'
Rotary		0 - TD				
LOG PROGRAM						
TYPE		DEPTH INVERTAL				
<u>OPEN HOLE</u>						
None						
<u>CASED HOLE</u>						
GR-CCL		TD to 5 1/2" shoe				
REMARKS: - Please report any flares (magnitude & duration).				MARKER		
				SUBSEA		
				TVD		
				Ojo Alamo	4270	1525
				Kirtland	4191	1604
				Fruitland	3857	1938
				Fruitland Coal	*	2210
				Pictured Cliffs	*	2522
				Lewis	*	2801
				Cliff House	#	4046
				Menefee	#	4369
				Point Lookout	#	4733
				Mancos	747	5048
				TOTAL DEPTH	662	5133
				# 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 - 120 200		Spud	8.6-9.2			
120 - 2160 (1)		Water/LSND	8.6-9.2		<6	
2160 - 5133		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	200 120	8 5/8"	X-42 ST&C	20#	12.25"	1
Intermediate 1	2160	5 1/2"	J-55 ST&C	15.5#	7.875"	1,2
Production	5133	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, 2-3 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:		
HGJ/MNP/JMP				December 11, 2003		
				Version 2.0		
Form 46 12-00 MNP						

BOP Test Pressure

BP America Production Company BOP Pressure Testing Requirements

Well Name: Florance GC E
County: San Juan

9 B
State: New Mexico

Formation	Estimated TVD/MD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	1525		
Fruitland Coal	2210		
PC	2522		
Lewis Shale	2801		
Cliff House	4046	500	0
Menefee Shale	4369		
Point Lookout	4733	600	0
Mancos	5048		
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 GC E 9B
 Location: 13-30N-09W, 830 FNL, 2080 FEL
 County: San Juan
 State: New Mexico

Field: Blanco Mesaverde
 API No.
 Well Flac
 Formation: Mesa Verde
 KB Elev (est) 5795
 GL Elev. (est) 5781

Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)
Surface	120 200	12 1/4	8 5/8	ST&C	Surface	NA
Intermediate	2160	7 7/8	5 1/2	ST&C	Surface	NA
Production -	5133	4 3/4	2 7/8		2060	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.	Fresh Water	
Slurry 1	90 sx Class G Cement		95 cuft
TOC@Surface	+ 3% CaCl2 (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

Intermediate:

Fresh Water	20 bbl	fresh water
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Cementing Program

Lead Slurry 1 TOC@Surface	220 sx Class "G" Cement + 3% D79 extender +1/4 #/sk. Cellophane Flake + 0.1% D46 antifoam	558 cuft
Tail Slurry 2	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

500 ft fill

Slurry Properties:	Density (lb/gal)	Yield (ft ³ /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 TOC 200 ft in 5 1/2"	140 LiteCrete D961 / D124 / D154 + 0.03 gps D47 antifoam + 0.5% D112 fluid loss + 0.11% D65 TIC	349 cuft
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Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)	
Slurry	9.5	2.52	6.38	0.078 cuft/ft OH 40 % excess 0.0886 cuft/ft csg ann

BLM CONDITIONS OF APPROVAL

Operator: BP America Production Company

Well Name: Florance Gas Com E 9B

Legal Location: 830' FSL, 2080' FEL; sec. 13, T30N, R9W

Lease No.: NMSF 080004

Please adhere to the previously issued stipulation:

This well is located within a “venerable area”. In order to protect the integrity of the alluvium aquifer, a MINIMUM surface casing setting depth of 200’ is stipulated as a condition of approval for this APD.