

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.*

RECEIVED

MAR 25 PM 12:00

5. Lease Serial No.

6. If Indian, Allottee or tribe Name  
**NMSF - 078387-A**

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

8. Well Name and No.  
**Fletcher 2M**

9. API Well No.  
**30-045-31937**

10. Field and Pool, or Exploratory Area  
**Basin Dakota & Blanco Mesaverde**

11. County or Parish, State  
**SAN JUAN, 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 COMPANY**

3a. Address  
**P.O. Box 3092 Houston, Tx 77253-3092**

3b. Phone No. (include area code)  
**281-366-4081**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Section 29 T31N R08W SENE 2070' FNL & 660' FEL**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

TYPE OF ACTION

- Acidize
- Alter Casing
- Casing Repair
- Change Plans
- Convert to Injection
- Deepen
- Fracture Treat
- New Construction
- Plug and Abandon
- Plug Back
- Production (Start/Resume)
- Reclamation
- Recomplete
- Water Disposal
- Water shut-Off
- Well Integrity
- Other Amend Cement

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 was submitted on 10/02/2003 and approved on 02/24/2004.**

**If terrain allows, it is our intent to preset the 9 5/8" casing on the above mentioned well by drilling a surface hole with air/air mist in lieu of drilling mud and the surface casing be cemented with 94.5 cu/ft type I-II, 20% FLYASH, 14.5 PPG, 7.41 gal/sk, 1.61 cf/sk Yield, 80-DEG-DHSF ready mix cement. If the area will not allow for preset we respectfully request to amend the approved cement report as follows: Use type C slurry with 2% CaCI which achieves a compressive strength of 275 psi in 4 hrs. and 615 psi in 8 hrs. Please see amended cement report attached.**

**CONDITIONS OF APPROVAL**  
Adhere to previously issued stipulations.

14. I hereby certify that the foregoing is true and correct  
Name (Printed/typed)

**Cherry Hlava**

Title **Regulatory Analyst**

Signature

*Cherry Hlava*

Date **03/22/2004**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

**/s/ Adrienne Garcia**

Title

Date

**MAR 26 2004**

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.

# Cementing Program

Well Name: Fletcher A2M  
 Location: 29-31N-8W, 2070 FNL, 660 FEL  
 County: San Juan  
 State: New Mexico

Field: Blanco Mesaverde / Basin Dakota  
 API No.  
 Well Flac  
 Formation: Dakota MesaVerde  
 KB Elev (est) 6529  
 GL Elev. (est) 6515

### Casing Program:

Casing String	Est. Depth (ft.)	Hole Size (in.)	Casing Size (in.)	Thread	TOC (ft.)	Stage Tool Or TOL (ft.)	Cmt Cir. Out (bbl.)
Surface	<del>120</del> 200	13.5	9.625	ST&C	Surface	NA	
Intermediate	3921	8.75	7	ST&C	Surface	NA	
Production -	8025	6.25	4.5	ST&C	3821	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		9.625	32 H-40	2270	1400	254	0.0787	8.845
Intermediate		7	20 K-55	3740	2270	254	0.0405	6.456
Production -		4.5	11.6 J-55	5350	4960	154	0.0155	3.875

### Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	Recommended Mud Properties Prio Cementing:
0 - SCP	Water/Spud	8.6-9.2	PV <20 YP <10 Fluid Los: <15
SCP - ICP	Water/LSND	8.6-9.2	
ICP - ICP2	Gas/Air Mist	NA	
ICP2 - TD	LSND	8.6 - 9.2	

### Cementing Program:

	Surface	Intermediate	Production
Excess %, Lead	100	75	40
Excess %, Tail	NA	0	40
BHST (est deg. F)	75	120	183
Special Instructions	1,6,7	1,6,8	2,4,6

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.

### Notes:

\*Do not wash up on top of plug. Wash lines before displacing production cement job to minimize drillout.

### Surface:

Preflush	20 bbl.	FreshWater	
Slurry 1	100 sx Class C Cement		127
TOC@Surface	+ 2% CaCl (accelerator)		117 cuft
	+ 0.25 #/sk Cellophane Flake (lost circulation additive)		0.4887 cuft/ft OH

Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
Slurry 1	15.2	1.27	5.8

Casing Equipment:

- 9-5/8", 8R, ST&C
- 1 Guide Shoe
- 1 Top Wooden Plug
- 1 Autofill insert float valve
- Centralizers, 1 per joint except top joint
- 1 Stop Ring
- 1 Thread Lock Compound

# Cementing Program

**Intermediate:**

Fresh Water	20 bbl	fresh water	
Lead		340 sx Class "G" Cement	<del>889</del> cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+ 1/4 #/sk. Cellophane Flake	894
		+ 5 lb/sk Gilsonite	
Tail		60 sx 50/50 Class "G"/Poz	75 cuft
Slurry 2		+ 2% gel (extender)	
	500 ft fill	+ 1/4 #/sk. Cellophane Flake	0.1503 cuft/ft OH
		+ 2% CaCl2 (accelerator)	0.1746 cuft/ft csg ann
		+ 5 lb/sk Gilsonite	

Slurry Properties:	Density	Yield	Water
	(lb/gal)	(ft3/sk)	(gal/sk)
Slurry 1	11.4	2.63	15.8
Slurry 2	13.5	1.27	5.72

Casing Equipment: 7", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)  
 1 Float Collar (autofill with minimal LCM in mud)  
 1 Stop Ring  
 Centralizers one in middle of first joint, then every third collar  
 1 Top Rubber Plug  
 1 Thread Lock Compound

**Production:**

Fresh Water	10 bbl	CW100	
Lead		180 LiteCrete D961 / D124 / D154	<del>440</del> 454 cuft
Slurry 1		+ 0.03 gps D47 antifoam	
TOC, 400' above 7" shoe		+ 0.5% D112 fluid loss	
		+ 0.11% D65 TIC	
Tail		150 sx 50/50 Class "G"/Poz	215 cuft
Slurry 2		+ 5% D20 gel (extender)	
	1498 ft fill	+ 0.1% D46 antifoam	
		+ 1/4 #/sk. Cellophane Flake	
		+ 0.25% D167 Fluid Loss	
		+ 5 lb/sk Gilsonite	
		+ 0.1% d800, retarder	
		+ 0.15% D65, dispersant	
			0.1026 cuft/ft OH
Slurry Properties:	Density	Yield	Water
	(lb/gal)	(ft3/sk)	(gal/sk)
Slurry 1	9.5	2.52	6.38
Slurry 2	13	1.44	6.5
			Top of Mancos 6027

Casing Equipment: 4-1/2", 8R, ST&C

1 Float Shoe (autofill with minimal LCM in mud)  
 1 Float Collar (autofill with minimal LCM in mud)  
 1 Stop Ring  
 Centralizers, every 4th joint in mud drilled holes, none in air drilled holes.  
 1 Top Rubber Plug  
 1 Thread Lock Compound

## **BLM CONDITIONS OF APPROVAL**

**Operator:** BP America Production Company

**Well Name:** Fletcher 2M

**Legal Location:** 2070' FNL, 660' FEL; sec. 29, T31N, R8W

**Lease No.:** NMSF 078387A

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.**

**As a result of the previously issued stipulation, cement volumes must be adjusted to achieve circulation of cement to surface.**