

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.
NMSF078134

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.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.

CANEPLE GAS COM 1M

2. Name of Operator

BP AMERICA PRODUCTION CO

Contact:

MARY CORLEY

E-Mail: corleyml@bp.com

9. API Well No.

30-045-30578-00-X1

3a. Address

P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281.366.4491

Fx: 281.366.0700

10. Field and Pool, or Exploratory

BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 18 T31N R10W SWSE Lot O 890FSL 2310FEL
36.53600 N Lat, 107.55400 W Lon

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

☒ Notice of Intent☐ Subsequent Report☐ Final Abandonment Notice☐ 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☐ Temporarily Abandon☐ Water Disposal☐ Water Shut-Off☐ Well Integrity☒ Other
Change to Original A
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.)

Application for Permit to Drill was submitted on 01/15/2001 and approved on 11/27/2001. An extension to the drilling permit was approved on 12/06/2002. BP America submits for your consideration an amendment to our drilling and completion program. Please note the change in total drilling depth from 7330' to 7194' and the casing and cementing program as per the attached two documents.



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

Electronic Submission #23176 verified by the BLM Well Information System

For BP AMERICA PRODUCTION CO, sent to the Farmington

Committed to AFMSS for processing by Adhienne Garcia on 06/19/2003 (03AXG1399SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 06/13/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/ Jim Lovato

Title

JUN 23 2003
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

**AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM**

Prospect Name: Canepile Gas Com
Lease: CANEPILE GAS COM
County: San Juan
State: New Mexico
Date: March 20, 2003

Well No: 1M
Surface Location: 18-31N-10W, 890 FSL, 2310 FEL
Field: Blanco Mesaverde/Basin Dakota

OBJECTIVE: Drill 180' below the top of the Two Wells (DKOT), set 4.5" production casing across Dakota, Stimulate CH, MF, PL and DK intervals							
METHOD OF DRILLING			APPROXIMATE DEPTHS OF GEOLOGICAL MARKER				
TYPE OF TOOLS		DEPTH OF DRILLING	Estimated GL: 5914		Estimated KB: 5928		
Rotary		0 - TD					
LOG PROGRAM							
TYPE		DEPTH INVERAL	MARKER	SUBSEA	MEAS. DEPTH		
<u>OPEN HOLE</u>			Ojo Alamo	4949	979'		
			Kirtland Shale	4847'	1081'		
			Fruitland	3981	1947'		
			Fruitland Coal	*	2207'		
			Pictured Cliffs	*	2612'		
			Lewis Shale	#	2846'		
			Cliff House	#	4134'		
			Menefee Shale	#	4464'		
			Point Lookout	#	4897'		
<u>CASED HOLE</u>			Mancos	732	5196'		
GR-CCL-TDT		TDT - TD to 7" shoe	Greenhorn	-979	6907'		
CBL		Identify 4.5" cement top	Bentonite Marker	-1029	6957'		
REMARKS: - Please report any flares (magnitude & duration).			Two Wells	#	-1086		
			Paguate	#	-1179		
			Cubero	#	-1210		
			Lower Cubero	#	-1223		
			TOTAL DEPTH			-1266	7194'
			# Probable completion interval		* Possible Pay		
SPECIAL TESTS			DRILL CUTTING SAMPLES		DRILLING TIME		
TYPE			FREQUENCY	DEPTH	FREQUENCY		
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 - 2946 (1)	Water/LSND	8.6-9.2					
2946 - 7221	Gas/Air/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		
Surface/Conductor	120	9 5/8"	H-40 ST&C	32#	13.5"		
Intermediate	2946	7"	J/K-55 ST&C	26.4#	9.875"		
Production	7221	4 1/2"	J-55	11.6#	4.75"		
REMARKS: (1) Circulate Cement to Surface (2) Set casing 100' into Lewis Shale (3) Bring cement 100' above 7" shoe							
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:			
KAS/MNP/JMP				March 20, 2003			
Form 46 12-00 MNP				Version 2.0			

BOP Test Pressure

Amoco Production Company BOP Pressure Testing Requirements

Well Name: Canepa Gas Com
County: San Juan

1M
State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	979		
Fruitland Coal	2207		
PC	2612		
Lewis Shale	2846		
Cliff House	4134	500	0
Menefee Shale	4464		
Point Lookout	4897	600	0
Mancos	5196		
Dakota	7014	2600	1500

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

Requested BOP Pressure Test Exception: 1500 psi

Cementing Program

Well Name: Canepile Gas Com 1M Location: 18-31N-10W, 890 FSL, 2310 FEL County: San Juan State: New Mexico	Field: Blanco Mesaverde / Basin Dakota API No. Well Flac Formation: Dakota MesaVerde KB Elev (est) 5928 GL Elev. (est) 5914
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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.)	Cmt Cir. Out (bbl.)
Surface	120	13.5	9.625	ST&C	Surface	NA	
Intermediate	2946	8.75	7	LT&C	Surface	NA	
Production -	7221	6.25	4.5	ST&C	2846	NA	

Casing Properties:

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	3370		1400	254	0.0787
Intermediate		7	20 K-55	3740		2270	234	0.0405
Production -		4.5	11.6 J-55	5350		4960	154	0.0155

Mud Program

Apx. Interval (ft.)	Mud Type	Mud Weight	<u>Recommended Mud Properties Prio Cementing:</u>
			PV <20
			YP <10
			Fluid Los: <15
0 - SCP	Water/Spud	8.6-9.2	
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	110 sx Class G Cement		117 cuft
TOC@Surface	+ 3% CaCl ₂ (accelerator)		
	+ 0.25 #/sk Cellophane Flake (lost circulation additive)		0.4887 cuft/ft OH
Slurry Properties:	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)
Slurry 1	15.8	1.16	4.95

Cementing Program

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

Intermediate:

Fresh Water	20 bbl	fresh water	
Lead		250 sx Class "G" Cement	633 cuft
Slurry 1		+ 3% D79 extender	
TOC@Surface		+1/4 #/sk. Cellophane Flake	
		+ 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		190 LiteCrete D961 / D124 / D154	460 cuft
Slurry 1		+ 0.03 gps D47 antifoam	
TOC, 400' above 7" shoe		+ 0.5% D112 fluid loss	
		+ 0.11% D65 TIC	
Tail		160 sx 50/50 Class "G"/Poz	219 cuft
Slurry 2		+ 5% D20 gel (extender)	
1525 ft fill		+ 0.1% D46 antifoam	
		+ 1/4 #/sk. Cellophane Flake	
		+ 0.25% D167 Fluid Loss	
		+ 5 lb/sk Gilsonite	

Cementing Program

+0.1% d800, retarder
+0.15% D65, dispersant

0.1026 cuft/ft OH

Slurry Properties:

	Density (lb/gal)	Yield (ft ³ /sk)	Water (gal/sk)	
Slurry 1	9.5	2.52	6.38	0.1169 cuft/ft csg ann
Slurry 2	13	1.44	6.5	Top of Mancos 5196

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