

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.

NMSF 078138A

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.

STOREY B 1M

2. Name of Operator

BP AMERICA PRODUCTION COMPANY

9. API Well No.

30-045-32324

3a. Address

PO BOX 3092 HOUSTON, TX 77253

3b. Phone No. (include area code)

281-366-4081

10. Field and Pool, or Exploratory Area

BASIN DAKOTA & BLANCO MESAVERDE

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

720' FSL & 1735' FEL; SEC 11 T30N R11W SWSE Mer NMP

11. County or Parish, State

SAN JUAN, NM

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 **Chng from
Directional to Vertical**

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.

The original drilling permit was submitted on 01/24/05 and approved 02/03/05 (location is on same pad as existing PC well)

BP respectfully requests BLM approval to change the bottom hole location

From: 720' FSL & 700' FEL

To: (same as surface) 720' FSL & 1735' FEL.

Please see the attached C-102, Drilling Plan (form 46) and cement report that was inadvertently left off the sundry that was sent 5/18/05.

HOLD C104 FOR Directional Survey (vertical)

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

Cherry Hlava

281-366-4081

Title Regulatory Analyst

Signature

Cherry Hlava

Date 05/25/2005

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

John Brunley

Title

Pet. Eng

Date

5/31/05

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

PFO

NMOC

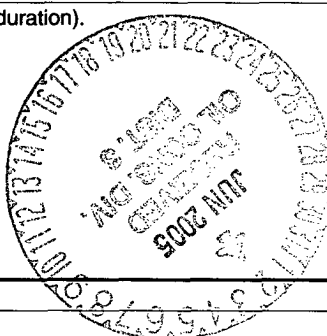
BP AMERICA PRODUCTION COMPANY

DRILLING AND COMPLETION PROGRAM

5/24/2005

Lease:	Storey B	Well Name & No.	Storey B #1M	Field:	Blanco Mesaverde/Basin Dakota
County:	San Juan, New Mexico	Surface Location:	11-30N-11W: 720' FSL, 1735' FEL		
Minerals:		Surface:	Lat: 36.8211600 deg; Long: -107.9569823 deg		
Rig :	Aztec 184	BH Location:	same		

OBJECTIVE: Drill 270' below the top of the Two Wells Mbr, set 4-1/2" production casing, Stimulate DK, MF, and PL intervals.

METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER			
TYPE OF TOOLS	DEPTH OF DRILLING	Actual GL:	5827	Estimated KB:	5,841.0'
Rotary	0 - TD	Marker		SUBSEA	TVD
LOG PROGRAM					APPROX. MD
Type	Depth Interval	Ojo Alamo		4,892'	949'
Single Run		Kirtland		4,826'	1,015'
		Fruitland	*	4,097'	1,744'
		Fruitland Coal	*	3,813'	2,028'
		Pictured Cliffs	*	3,503'	2,338'
		Lewis	*	3,269'	2,572'
Cased Hole		Cliff House	#	1,953'	3,888'
TDT- CBL	TD to 7" shoe	Menefee	#	1,711'	4,130'
	Identify 4 1/2" cement top	Point Lookout	#	1,214'	4,627'
REMARKS:		Mancos		877'	4,964'
- Please report any flares (magnitude & duration). 		Greenhorn		-792'	6,633'
		Graneros (bent,mkr)		-845'	6,686'
		Two Wells	#	-899'	6,740'
		Paguete	#	-975'	6,816'
		Cubero	#	-1,024'	6,865'
		L. Cubero	#	-1,079'	6,920'
		Encinal Cyn	#	-1,127'	6,968'
		TOTAL DEPTH:		-1,269'	7,110'
		# Probable completion interval			* Possible Pay
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME	
TYPE		FREQUENCY	DEPTH	FREQUENCY	DEPTH
None		30'/10' intervals	2,672' to TD	Geograph	0 - TD
REMARKS:					

MUD PROGRAM:					
Interval	TypeMud	#/gal	Vis, sec/qt	/30 min	Other Specification
200'	Spud	8.8 - 9.0	Sufficient to clean hole.		
3,099'	Water/LSND	8.4 - 9.0		<9	Sweep hole while whilst water drilling, LCM onsite
7,110'	Air	1	1000 cfm for hammer		Volume sufficient to maintain a stable and clean wellbore

CASING PROGRAM:							
CasingString	Depth	Size	Casing Size	Grade, Thread	Weight	Landing Point	Cement
Surface/Conductor	200'	13 1/2"	9-5/8"	H-40 ST&C	32#		cmt to surface
Intermediate 1	3,099'	8-3/4"	7"	J/K-55 ST&C	20#	100' below LWIS	cmt to surface
Production	7,110'	6-1/4"	4-1/2"	J-55	11.6#	DKOT	150' inside Intermediate - TOC survey required

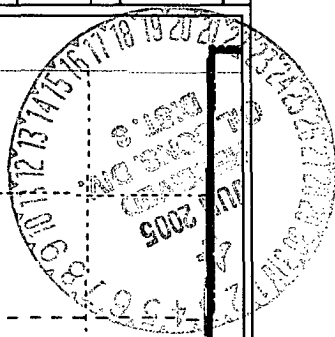
CORING PROGRAM:	
None	

COMPLETION PROGRAM:	
Rigless, 2-3 Stage Limited Entry Hydraulic Frac, FMC Unihead	

GENERAL REMARKS:	
Notify BLM/NMOCD 24 hours prior to Spud, BOP testing, and Casing and Cementing.	

BOP Pressure Testing Requirements			
Formation	Depth	Anticipated bottom hole pressure	Max anticipated surface pressure**
Cliffhouse	3,888'	500	0
Point Lookout	4,627'	600	0
Dakota	6,740'	2600	1117.2

Requested BOP Pressure Test Exception = 1500 psi				** Note: Determined using the following formula: ABHP – (.22*TVD) = ASP			
Form 46 Reviewed by:		Logging program reviewed by:					
PREPARED BY:		APPROVED:		DATE:		APPROVED:	
HGJ JMP				24-May-05			
Form 46 7-84bw		For Drilling Dept.				For Production Dept.	



Cementing Program

Revised 05/31/05

Well Name: Storey B 1M
Location: 11-30N-11W : 720' FSL, 1735' FEL
County: San Juan
State: New Mexico

Well Flac
Formation: Dakota MesaVerde
KB Elev (est) 5841
GL Elev. (est) 5827

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	200	13.5	9.625	ST&C	Surface	NA	
Intermediate	3099	8.75	7	ST&C	Surface	NA	
Production -	7110	6.25	4.5	ST?	2999	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	3370	1400	254	0.0787	8.845
Intermediate	7	20	K-55	3740	2270	234	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
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

Recommended Mud Properties Prio Cementing:

PV <20
YP <10
Fluid Los: <15

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	154	154
TOC@Surface	154	154

195 cuft

0.4887 cuft/ft OH

Slurry Properties:

Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)
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, as needed
1 Stop Ring
1 Thread Lock Compound

Schlumberger Private

Cementing Program

Intermediate:

Fresh Water	20 bbl	fresh water		
Lead		255 sx Class "G" Cement		666 cuft
Slurry 1		+ 3% D79 extender		
TOC@Surface		+ 2% S1 Calcium Chloride		
		+1/4 #/sk. Cellophane Flake		
		+ 0.1% D46 antifoam'		
Tail		59 sx 50/50 Class "G"/Poz		75 cuft
Slurry 2		+ 2% gel (extender)		
500 ft fill		0.1% D46 antifoam		0.1503 cuft/ft OH
		+1/4 #/sk. Cellophane Flake		0.1746 cuft/ft csg ann
		+ 2% CaCl2 (accelerator)		
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	
Slurry 1	11.4	2.61	17.77	
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 as needed			
	2 Fluidmaster vanè centralizers @ base of Ojo			
	1 Top Rubber Plug			
	1 Thread Lock Compound			



Production:

Fresh Water	10 bbl	CW100		
Lead		229 LiteCrete D961 / D124 / D154		576 cuft
Slurry 1		+ 0.03 gps D47 antifoam		
TOC, 100' above 7" shoe		+ 0.5% D112 fluid loss		
		+ 0.11% D65 TIC		
				0.1026 cuft/ft OH
Slurry Properties:	Density (lb/gal)	Yield (ft3/sk)	Water (gal/sk)	
Slurry 1	9.5	2.52	6.38	0.1169 cuft/ft csg ann
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, as needed			
	1 Top Rubber Plug			
	1 Thread Lock Compound			

Mayor
Mike Arnold

Mayor Pro-Tem
Larry Marcum



City Commissioners
Jerry Hanhardt
James J. Rubow
Diana C. Mesch

January 26, 2005

Glen Benfield
BP America Production Co.
200 Energy Court
Farmington, NM 87401

Re: Storey B #1M

Dear Mr. Benfield,

This letter is to confirm the decision made by the Aztec City Commission on January 18, 2005. The application for the Oil and Gas Permit for the Storey B #1M well pursuant to the City of Aztec Code Section 15 was approved with the variance to Section 12-252 to allow a 24 hour drill rig for up to 12 days. If you have any questions regarding this decision please call the Planning Department at 334-7604.

Sincerely,

Renata Di Battista
Planning Technician
City of Aztec

