FORM APPROVED UNITED STATES OMB No. 1004-0135 DEPARTMENT OF THE INTERIOR Expires November 30, 2000 BUREAU OF LAND MANGEMENT Lease Serial No. SUNDRY NOTICES AND REPORTS ON WELLS NMSF 078138A Do not use this form for proposals to drill or to re-enter an If Indian, Allottee or tribe Name Abandoned well. Use Form 3160-3 (APD) for such proposals If Unit or CA/Agreement, Name and/or No. SUBMIT IN TRIPLICATE – Other instructions on reverse side: OTO FARM Type of Well Well Name and No. Other Oil Well Gas Well STOREY B 1M Name of Operator API Well No. **BP AMERICA PRODUCTION COMPANY** 30-045-32324 Field and Pool, or Exploratory Area Address 3b. Phone No. (include area code) 3a. PO BOX 3092 HOUSTON, TX 77253 BASIN DAKOTA & BLANCO MESAVERDE 281-366-4081 11. County or Parish, State Location of Well (Footage, Sec., T., R., M., or Survey Description) 720' FSL & 1735' FEL: SEC 11 T30N R11W SWSE Mer NMP SAN JUAN, NM 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OR NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Production (Start/Resume) Water shut-Off Acidize Deepen Notice of Intent Reclamation Well Integrity Alter Casing Fracture Treat Other Ching from Recomplete Casing Repair New Construction Directional to Vertical Subsequent Report Plug and Abandon Water Disposal Change Plans Final Abandonment Notice Convert to Injection Plug Back 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 recomplete 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 intervals a form 21002 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 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 sundry that was sent 5/18/05. HOLD C104 FOR I hereby certify that the foregoing is true an dcorrect Name (Printed/typed) Cherry Hlava 281-366-4081 Title Regulatory Analyst Signature Date 05/25/2005 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Conditions of approval, if any, are attached. Approval of this notice d bes not warrant or

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 witin its jurisdiction.

Office

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

District I PO Box 1980, Hobbs NM 88241-1980

District II

PO Drawer KK, Artesia, NM 87211-0719 District III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994

Instructions on back Submit to Appropriate District Office

State Lease - 4 Copies
Fee Lease - 3 Copies

District IV					ana i c,	TATAT	01304-2000				re	e Lease -	3 Copies
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(R) - BLM Record

#### BP AMERICA PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM 5/24/2005 Field: Blanco Mesaverde/Basin Dakota Well Name & No. Storey B #1M Lease: Storey B Surface Location: 11-30N-11W: 720' FSL, 1735' FEL County: San Juan, New Mexico Surface: Lat: 36.8211600 deg; Long: -107.9569823 deg Minerals BH Location: same Rig: Aztec 184 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: Estimated KB: 5,841.0' 0 - TD Marker SUBSEA TVD APPROX. MD Rotary LOG PROGRAM 949' 949' Ojo Alamo 4.892 Type **Depth Interval** Kirtland 4.826 1.015 1.015 Single Run Fruitland 4,097 1,744 1,744 Fruitland Coal 3,813' 2,028 2,028 Pictured Cliffs 3.503 2.338 2.338 Lewis 3.269 2.572 2,572 Cased Hole Cliff House # 1.953 3.888 3.888 TDT- CBL TD to 7" shoe Menefee # 1,711 4,130 4,130 Identify 4 1/2" cement top Point Lookout 1,214 4,627 4,627 REMARKS: Mancos 877' 4.964 4.964 - Please report any flares (magnitude & duration). -792 Greenhorn 6,633' 6,633 Graneros (bent,mkr) -845 6.686 6.686 Two Wells # -899 6,740 6,740 # -975' Paguate 6.816' 6.816 Cubero # -1.024 6.865 6.865 # L. Cubero -1.079' 6.920 6.920' -1,127 6,968' 6,968 **Encinal Cyn** # TOTAL DEPTH: -1,269 7,110' 7,110' * Possible Pay # Probable completion interval SPECIAL TESTS **DRILL CUTTING SAMPLES DRILLING TIME** TYPE **FREQUENCY DEPTH** FREQUENCY DEPTH None 30'/10' intervals 2,672 to TD Geolograph 0 - TD REMARKS: MUD PROGRAM: Other Specification Interval **TypeMud** #/gal Vis, sec/qt /30 min 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 1000 cfm for hammer Volume sufficient to maintain a stable and clean wellbore CASING PROGRAM: Weight CasingString Depth Size **Casing Size** Grade, Thread **Landing Point** Cement Surface/Conductor 200 13 1/2" 9-5/8" H-40 ST&C 32# cmt to surface 3,099 8-3/4" J/K-55 ST&C 20# 100' below LWIS cmt to surface Intermediate 1 6-1/4" 4-1/2" DKOT **Production** 7,110 J-55 11.6# 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** 3,888' Cliffhouse 500 0 **Point Lookout** 4,627 600 0 6,740 **Dakota** 2600 1117.2 ** Note: Determined using the following formula: ABHP - (.22*TVD) = ASP Requested BOP Pressure Test Exception = 1500 psi Form 46 Reviewed by: Logging program reviewed by: PREPARED BY: APPROVED: DATE: DATE: APPROVED: JMP HGJ 24-May-05 For Drilling Dept. Form 46 7-84bw For Production Dept.

BP America Production Location verification map HILLY MINISTER WITH WATER POCTED WELL DATA Storey B#1M WELL OF MIND LO In city of Attec 11-30-11W Dy Parker FEET STOREY, BLS#1 104,101/3,427/367,015 Stone y B #1N CURRENT COM#100

## **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:

KB Elev (est) GL Elev. (est) Dakota MesaVerde 5841

5827

Casi	ing	Pro	ogi	ram

Casing String

Est. Depth (ft.)

Hole Size (in.)

Casing Size (in.)

Thread

TOC (ft.)

Stage Tool Or TOL (ft.)

Joint St.

Cmt Cir. Out

Capacity

Surface

200

13.5

9.625

Surface Surface

NA

(bbl.)

Intermediate Production -

3099 7110

8.75 6.25

7 4.5 (No Safety Factor Included)

2999

Collapse

NA NA

Drift

Casing Properties: Casing String

Size (in.)

Weight (lb/ft) 9.625

Grade 32 H-40 20 K-55

11.6 J-55

(psin) (psi.) 3370 3740 5350

(1000 lbs.) 1400 2270 4960

254

154

(bbl/ft.) (in.) 0.0787 0.0405 0.0155

8.845 6.456 3.875

Mud Program

Intermediate

Production -

Apx. Interval (ft.)

Surface

Mud Type

**Mud Weight** 

8.6-9.2

Recommended Mud Properties Prio Cementing <20 <10

YP Fluid Los: <15

0 - SCP SCP - ICP ICP - ICP2 Water/Spud Water/LSND Gas/Air Mist LSND

8.6-9.2 NA 8.6 - 9.2

4.5

ICP2 - TD Cementing Program:

+
Excess %, Lead
Excess %, Tail
BHST (est deg. F)
Special Instructions

Surface 100 NA 75 1,6,7

Intermediate 75 0 120 1,6,8

Production

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 minmize drillout.

#### Surface:

Preflush

20 bbl.

FreshWater

1.27

Slurry 1 TOC@Surface 154 sx Class C Cement + 2% CaCl2 (accelerator)

195 cuft

0.4887 cuft/ft OH

Slurry Properties:

Density (lb/gal)

Yield (ft3/sk) Water (gal/sk)

5.8

Slurry 1 Casing Equipment:

9-5/8", 8R, ST&C

1 Guide Shoe

1 Top Wooden Plug

15.2

1 Autofill insert float valve

Centralizers, as needed

1 Stop Ring

1 Thread Lock Compound

Schlumberger Private

Page 1

Amoco

5/31/2005

# **Cementing Program**

Intermediate:	Fresh Water		20 bbl	fresh water		
	. room trate.					
	Lead		2	55 sx Class "G" Cement		666 cuft
	Slurry 1			+ 3% D79 extender	1-	
	TOC@Surface			+ 2% S1 Calcium Chlorid +1/4 #/sk. Cellophane Fla		
				+ 0.1% D46 antifoam'	ake	
	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 Fla + 2% CaCl2 (accelerator		0.1746 cuft/ft csg and
Slurry Properties:		Density		Yield	Water	19 20 21 30
,		(lb/gal)		(ft3/sk)	(gal/sk)	(C) (C)
Slurry 1		11.4		2.61	17.77	S' 60 00 T
Slurry 2		13.5		1.27	5.72	
Casing Equipment:		7", 8R, ST&	С			· Marine
		1 Float Shoe	e (autofill with m	ninimal LCM in mud)		or "game"
		1 Float Colla	ır (autofill with r	•	<b>2</b>	
		1 Stop Ring				S S S S S S S S S S S S S S S S S S S
		Centralizers				
•		2 Fluidmaste 1 Top Rubbe		ers @ base of Ojo		
			ck Compound			
Production:		<del>"                                    </del>				·
	Fresh Water		10 bbl	CW100		
	Lead		2	29 LiteCrete D961 / D124 / I	D154	576 cuft
	Slurry 1			+ 0.03 gps D47 antifoam		
	TOC, 100' above	7" shoe		+ 0.5% D112 fluid loss		
				+ 0.11% D65 TIC		
						0.4000
Slurry Properties:		Density		Yield	Water	0.1026 cuft/ft OH
		(lb/gal)		(ft3/sk)	(gal/sk)	0.1169 cuft/ft csg and
Siurry 1		9.5		2.52	6.38	
Casing Equipmen	t:	4-1/2", 8R, 8	ST&C			
			e (autofill with m			
			ar (autofill with r	ninimal LCM in mud)		
		1 Stop Ring	•	×.		
		Centralizers				
		1 Top Rubb				

*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

201 West Chaco - Aztec, New Mexico 87410 - (505) 334-7600 - Fax: (505) 334-7609