

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.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NMSF078039
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No. NMNM76203
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700		8. Well Name and No. BARNES 17
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 22 T32N R11W NWSW 1530FSL 0885FWL 37.00380 N Lat, 108.03464 W Lon		9. API Well No. 30-045-25308-00-S1
		10. Field and Pool, or Exploratory UNNAMED
		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			
<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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 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.)

BP America respectfully request permission to plug and abandon the subject well as per the attached procedure.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #14500 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by Steve Mason on 09/26/2002 (02SXM0538SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 09/24/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>09/26/20</u>
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 <u>Farmington</u>

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.

** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

NMOCD

Barnes #17 P&A Procedure

Procedure:

Note: Notify regulatory agencies (NMOCD- Charlie Perrin 505-334-6178x16 and BLM- 505-599-8907) 24 hours prior to beginning the P&A operations.

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Nipple down WH. NU BOPs.
4. TIH with 2-3/8" tubing to CIBP at 7625'. Spot 100' cement plug (9 cu ft) from 7525' – 7625'. TOH.
5. RU WL unit. Run CBL log from 1800' – 7000' to verify cement tops behind 4-1/2" and 7" casing strings.
6. TIH with 2-3/8" tubing to 6735'. Spot 100' cement plug (9 cu ft) across Gallup formation from ~~6635' – 6735'~~ ^{6231' – 6131'} + 50' excess
~~6231' – 6131'~~

Contingency: If CBL indicates no cement behind the 4-1/2" casing from ~~6635' – 6735'~~ ^{6231' – 6131'}:

 1. Perforate squeeze holes at ~~6235'~~ ^{6231'}
 2. Set 4-1/2" cement retainer at ~~6700'~~ ^{6131'}
 3. Sting into retainer and squeeze with 50 cu ft cement
 4. PU and spot 100' cement plug (9 cu ft) above retainer from ~~6600' – 6700'~~ ^{6231' – 6131'}
7. TOH to 5100'. Spot 200' cement plug (18 cu ft) across Mesaverde formation from ~~4900' – 5100'~~ ^{4762' – 4662'}
~~4662' 5100'~~

Contingency: If CBL indicates no cement behind the 4-1/2" casing from ~~4900' – 5100'~~ ^{4762' – 4662'}:

 1. Perforate squeeze holes at ~~5100'~~ ^{4762'}
 2. Set 4-1/2" cement retainer at ~~5050'~~ ^{4662'}
 3. Sting into retainer and squeeze with 50 cu ft cement
 4. PU and spot 150' cement plug (13.5 cu ft) above retainer from ~~4900' – 5050'~~ ^{4762' – 4662'}
8. TOH to 3200'. Spot ~~200'~~ ^{150'} cement plug (~~111~~ ^{13.5} cu ft) across Pictured Cliffs/Fruitland formation from ~~2700' – 3200'~~ ^{2671' – 3221'}
~~2671' 3221'~~

Contingency: If CBL indicates no cement behind the 7" casing from ~~2700' – 3200'~~ ^{2671' – 3221'}:

 1. Perforate squeeze holes at ~~3200'~~ ^{3221'}
 2. Set 7" cement retainer at ~~3150'~~ ^{3221'}
 3. Sting into retainer and squeeze with 150 cu ft cement
 4. PU and spot ~~150'~~ ^{100'} cement plug (100 cu ft) above retainer from ~~2700' – 3150'~~ ^{2671' – 3221'}
9. TOH to ~~2050'~~ ^{1850'}. Spot 200' cement plug (45 cu ft) across ~~Pictured Cliffs~~ ^{Kirtland} formation from ~~1850' – 2050'~~ ^{1367' – 1267'}. TOH.
~~1367' 1267'~~

Contingency: If CBL indicates no cement behind the 7" casing from ~~1850' - 2050'~~

4. Perforate squeeze holes at ~~2050'~~ 1367'

5. Set 7" cement retainer at ~~2000'~~

6. Sting into retainer and squeeze with 60 cu ft cement

1367' - 1267'

4. PU and spot 150' cement plug (33 cu ft) above retainer from ~~1850' - 2000'~~

→ Plug from 376' - 276'

9. RU WL unit. Perforate squeeze holes at 275'.

10. Pump 150 cu ft cement down casing and circulate to surface. Leave casing full of cement.

11. ND BOP's. Cut off wellhead and install P&A marker.

Barnes #17

Sec 22, T32NR11W

API#: 30-045-25308

GL: 6463'

Sandose

Maximum 141'

History:

Completed in 9/1982

Jun 2002: Well T&A'd

Kierlund 1317

Fruitland 2721'

Preured cliffs 3171'

Mesaverde 4712

Gallup CIBP @ 7625' 6181

Dakota Completion
7652 7663'-7668' 2 spf

7676'-7680' 2 spf

7740'-7746' 2 spf

7752'-7756' 2 spf

7765'-7767' 1 spf

7776'-7780' 1 spf

7826'-7832' 1 spf

7876'-7888' 1 spf

PBTD: 7899

est. TOC @ surface (circ)

$$276 / 4.524 = 61 \text{ ft}^3$$

$$276 / 5.997 = 46 \text{ ft}^3$$

$$107 \text{ ft}^3$$

9.58" 36#, K55 @ 326'

plug 376-276

TOC @ 300' (temp surv)

$$100 / 4.524 = 22 \text{ ft}^3$$

plug 1367-1267

DV tool @ 1488

$$150 / 4.524 = 33 \text{ ft}^3$$

2nd stage: 133 sxs cmt

est. TOC unknown

$$3221 - 2671$$

$$(3221 - 2671) + 50 / 4.524 = 133 \text{ ft}^3$$

Top of 4-1/2" liner @ 3345'

7" 23#, K55, LT&C @ 3727'

1st stage: 340 sacks cmt

plug 3777-3211

$$4\frac{1}{2} - 232' / 11.459 = 20 \text{ ft}^3$$

$$7" 100' / 4.524 = 22 \text{ ft}^3$$

Est. TOC unknown (reversed 10 bbls preflush but no cement)

$$150 / 11.459 = 13 \text{ ft}^3$$

plug 6231-6131

plug 7625-7625

$$100 / 11.459 = 9 \text{ ft}^3$$

Tubing: 2-3/8" 4.7#, J55 @ 7600'

4-1/2" liner, 10.5#, K55, ST&C 83 jts (3345' - 7703')

4-1/2" liner, 11.6#, K55, ST&C, 21 jts (7703' - 7904')

432 sacks cmt

updated: 9/23/02 jad

NOTES:

1) Casing tested OK to 560 psi during June 2002 T&A