

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. NMSF078487A
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name
3a. Address 200 ENERGY CT FARMINGTON, NM 87402		7. If Unit or CA/Agreement, Name and/or No. NMNM73432
3b. Phone No. (include area code) Ph: 281-366-4491		8. Well Name and No. PRICHARD 4A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 31 T29N R8W SENW 1830FNL 1705FWL 36.68446 N Lat, 107.71841 W Lon		9. API Well No. 30-045-22497-00-S1
		10. Field and Pool, or Exploratory BLANCO MV/ PC OTERO CHACRA
		11. County or Parish, and State SAN JUAN COUNTY, NM

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

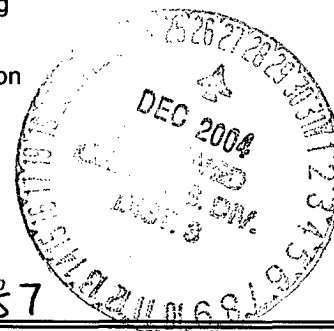
TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Subsurface Commingling
	<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 recomplate 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 Production Company request permission to complete the subject well into both the Blanco Pictured Cliffs and Otero Chacra Pools and tricomingle production downhole with the existing Blanco Mesaverde Pool as per the attached procedure.

The interest owners are identical between these three Pools, therefore, no additional notification is required prior to downhole commingling approval.

Production is proposed to be allocated based on a fixed percentage. It is our intent to isolate the Mesaverde, complete into the Chacra, flow back well to stabilize production and perform deliverability test then isolate the Chacra complete into the Pictured Cliffs, flow back well to stabilize production and perform deliverability test. A combined stream test will then be performed to determine the flow rate for production from the Mesaverde Pool.



HLC 3387

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #51811 verified by the BLM Well Information System</b> <b>For BP AMERICA PRODUCTION CO, sent to the Farmington</b> <b>Committed to AFMSS for processing by MATTHEW HALBERT on 12/22/2004 (05MXH0260SE)</b>	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 12/13/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <u>Original Signed: Stephen Mason</u>	Title
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

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

DEC 23 2004

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 \*\***

**Additional data for EC transaction #51811 that would not fit on the form**

**32. Additional remarks, continued**

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

**Pritchard 4A API #: 30-045-22497**  
**Complete Into the Pictured Cliffs & Chacra Formations & Downhole Commingle**  
**Production with the Existing Mesaverde Formation**  
**November 17, 2004**

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**Procedure:**

1. Check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
2. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
3. RU slickline unit or wireline unit. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation.
4. MIRU workover rig.
5. Blow down well. Kill with 2% KCL water ONLY if necessary. Check all casing strings to ensure no pressure exist on any annulus.
6. Nipple down Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
7. Pull tubing hanger and shut pipe rams and install stripping rubber.
8. TOH with 2-3/8" production tubing currently set at 4,822' using approved "Under Balance Well Control Tripping Procedure".

Contingency: *If the tubing is in poor condition, replace entire tubing string.*

9. TIH with bit and scraper for 4-1/2" casing to PBTD at 5,020' with approved barriers. Check the distance between the top of the blind ram and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams.
10. Set CIBP at +/- 4,100' to isolate Mesaverde. Ensure BP is not set in casing collar.
11. Load hole w/ 2% KCl and pressure test casing to 2,500 psi w/ rig pumps
12. RU E-line and run CBL from PBTD' to surface. Confirm that top of cement is at liner top and above 2,000' – if not, contact engineer to discuss cement squeeze. RIH with 3-1/8" casing guns (Lubricator required).
13. Perforate Chacra formation (correlate to GR log). RDWL and lubricator.  
Chacra perforations, 4 spf (15 shots/ 60 holes):  
\*\*\*\*\*
14. NU Wellhead Isolation tool Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 3000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

15. Remove Isolation Tool, Flowback frac immediately. Flow well through the 3" line and into the choke manifold until well dies or stabilizes.
16. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit. Cleanout fill to top of CIBP and flow test well for minimum of 12 hours. Report flow test data on DIMS report.
17. TIH with bit and scraper for 7" casing to 2,800' with approved barriers. Check the distance between the top of the blind ram and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams.
18. Set retrievable bridge plug w/ 10' of sand at +/- 2,700' to isolate Mesaverde and liner top. Ensure BP is not set in casing collar.
19. RIH with 3-1/8" casing guns (Lubricator required). Perforate Pictured Cliffs formation (correlate to GR log). RDWL and lubricator.

Pictured Cliffs perforations, 4 spf (15 shots/ 60 holes):

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20. NU Wellhead Isolation tool Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures  $\leq$  3000 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
21. Remove Isolation Tool, Flowback frac immediately. Flow well through the 3" line and into the choke manifold until well dies or stabilizes.
22. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit. Cleanout fill and pull bridge plug set at 2,700'.
23. TIH w/ tubing and bit for 4-1/2" casing. Drill out CIBP at 4,100' and cleanout fill to PBTD at 5,020'. Blow well dry at PBTD. Reference Under Balanced Well Control Tripping Procedure.
24. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
25. Land 2-3/8" production tubing with hanger, lock down hanger at +/-4,875'.
26. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Check all casing string for pressure.
27. ND BOP's. NU WH. Test well for air. Return well to production and downhole co-mingle Chacra, and Mesaverde.
28. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. RD slickline unit.

# Pritchard 4 A

Sec 31, T29N, R8W

API # 30-045-22497

GL: 6011'

## History:

Completed in MV in 7/77

9-5/8" 36# @ 225'

225 sxs cmt

circulated cement to surface

TOC unknown

TOL at 2817'

7" 23# @ 2949'

350 sxs cmt

TOC unknown

Tubing: 2-3/8" @ 4822'

4-1/2" @ 5075'

225 sxs cmt

PBTD: 5020'

TD: 5075'

## Mesaverde Perforations

4119' - 4545' w/ 86,750 #'s sand

4665' - 4921' w/ 100,000 #'s sand

Formation tops:   Pictured Cliffs 2450  
                      Lewis Shale 2580  
                      Cliff House 4116  
                      Menefee 4218  
                      Point Lookout 4662

updated: 8/25/04 CFR

**District I**  
1625 N. French Dr., Hobbs, NM 88240

**District II**  
811 South First, Artesia, NM 88210

**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410

**District IV**  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised August 15, 2000

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number <b>30-045-22497</b>	<sup>2</sup> Pool Code <b>72359</b>	<sup>3</sup> Pool Name <b>Blanco Pictured Cliffs</b>
<sup>4</sup> Property Code <b>000959</b>	<sup>5</sup> Property Name <b>Pritchard</b>	<sup>6</sup> Well Number <b>4A</b>
<sup>7</sup> OGRID No. <b>000778</b>	<sup>8</sup> Operator Name <b>BP America Production Company</b>	<sup>9</sup> Elevation <b>6011' GR</b>

<sup>10</sup> Surface Location

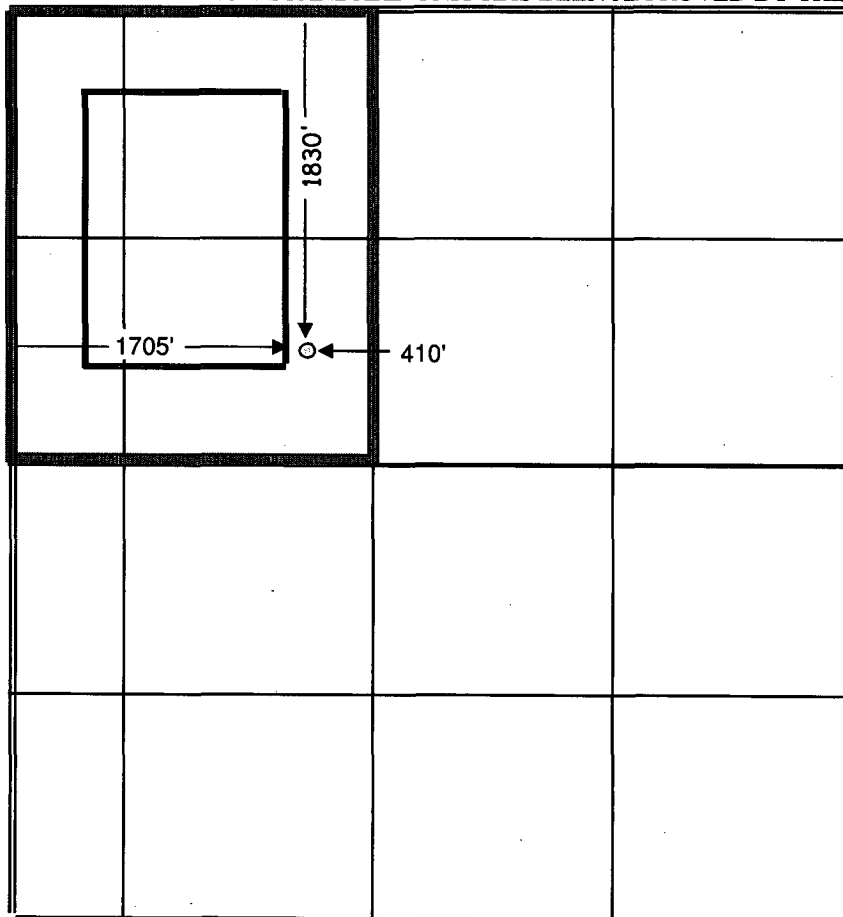
UL or lot no. <b>Unit F</b>	Section <b>31</b>	Township <b>29N</b>	Range <b>08W</b>	Lot Idn	Feet from <b>1830</b>	North/South <b>North</b>	Feet from <b>1705</b>	East/West <b>West</b>	County <b>San Juan</b>
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<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
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<sup>12</sup> Dedicated Acres <b>120.49</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	<sup>17</sup> OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  <b>Mary Corley</b> Signature <b>Mary Corley</b> Printed Name <b>Sr. Regulatory Analyst</b> Title <b>11/01/2004</b> Date
	<sup>18</sup> SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>  <b>2/6/1977</b> Date of Survey Signature and Seal of Professional Surveyor:  <b>James P Leese 1463</b> Certificate Number

**District I**

1625 N. French Dr., Hobbs, NM 88240

• **District II**

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Energy, Minerals & Natural Resources Department**OIL CONSERVATION DIVISION**2040 South Pacheco  
Santa Fe, NM 87505Form C-102  
Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

**AMENDED REPORT****WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number <b>30-045-22497</b>	<sup>2</sup> Pool Code <b>82329</b>	<sup>3</sup> Pool Name <b>Otero Chacra</b>
<sup>4</sup> Property Code <b>000959</b>	<sup>5</sup> Property Name <b>Pritchard</b>	<sup>6</sup> Well Number <b>4A</b>
<sup>7</sup> OGRID No. <b>000778</b>	<sup>8</sup> Operator Name <b>BP America Production Company</b>	<sup>9</sup> Elevation <b>6011' GR</b>

<sup>10</sup> Surface Location

UL or lot no. <b>Unit F</b>	Section <b>31</b>	Township <b>29N</b>	Range <b>08W</b>	Lot Idn	Feet from <b>1830</b>	North/South <b>North</b>	Feet from <b>1705</b>	East/West <b>West</b>	County <b>San Juan</b>
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UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
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	Signature <b>Mary Corley</b>
	Printed Name <b>Mary Corley</b>
	Title <b>Sr. Regulatory Analyst</b>
	Date <b>12/02/2004</b>
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	<b>2/6/1977</b>
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	Signature and Seal of Professional Surveyor:
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