

ABOVE THIS LINE FOR DIVISION USE ONLY

**NEW MEXICO OIL CONSERVATION DIVISION**  
 - Engineering Bureau -  
 1220 South St. Francis Drive, Santa Fe, NM 87505



NOTIFIED TO  
 OIL CONSERVATION  
 DIVISION  
 APR 25 2005

**ADMINISTRATIVE APPLICATION CHECKLIST**

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

**Application Acronyms:**

- [NSL-Non-Standard Location]** **[NSP-Non-Standard Proration Unit]** **[SD-Simultaneous Dedication]**
- [DHC-Downhole Commingling]** **[CTB-Lease Commingling]** **[PLC-Pool/Lease Commingling]**
- [PC-Pool Commingling]** **[OLS - Off-Lease Storage]** **[OLM-Off-Lease Measurement]**
- [WFX-Waterflood Expansion]** **[PMX-Pressure Maintenance Expansion]**
- [SWD-Salt Water Disposal]** **[IPI-Injection Pressure Increase]**
- [EOR-Qualified Enhanced Oil Recovery Certification]** **[PPR-Positive Production Response]**

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]
- [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]
- [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or  Does Not Apply
- [A]  Working, Royalty or Overriding Royalty Interest Owners
- [B]  Offset Operators, Leaseholders or Surface Owner
- [C]  Application is One Which Requires Published Legal Notice
- [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F]  Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

<u>Mary Corley</u> Print or Type Name	<u><i>Mary Corley</i></u> Signature	<u>Sr. Regulatory Analyst</u> Title	<u>04/15/2005</u> Date
		<u>corleym1@bp.com</u> e-mail Address	

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
Revised May 15,

2000

District II  
811 South First Street, Artesia, NM 88210

**OIL CONSERVATION DIVISION**

2040 South Pacheco  
Santa Fe, New Mexico 87505

APPLICATION TYPE

Single Well  
 Establish Pre-Approved

District III  
1000 Rio Brazos Road, Aztec, NM 87410

Pools

District IV  
2040 South Pacheco, Santa Fe, NM 87505

**APPLICATION FOR DOWNHOLE COMMINGLING**

EXISTING WELLBORE

Yes  No

*DAC-3446*

**BP America Production Company P. O. Box 3092 Houston, TX 77253**

Operator **Pritchard** Address **Unit P Section 31 T29N, R08W** County **San Juan**  
Lease **3A** Well No. **Unit Letter-Section-Township-Range**  
OGRID No. **000778** Property Code **000959** API No. **30-045-22345** Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	<b>Blanco Pictured Cliffs</b>	<b>Otero Chacra</b>	<b>Blanco Mesaverde</b>
Pool Code	<b>72359</b>	<b>82329</b>	<b>72319</b>
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	<b>2294' - 2326'</b>	<b>TBD</b>	<b>4054' - 4716'</b>
Method of Production (Flowing or Artificial Lift)	<b>Artificial Lift</b>	<b>Flowing</b>	<b>Artificial Lift</b>
Bottomhole Pressure	<b>430</b>	<b>430</b>	<b>480</b>
Oil Gravity or Gas BTU (Degree API or Gas BTU)	<b>950</b>	<b>1230</b>	<b>950</b>
Producing, Shut-In or New Zone	<b>Producing</b>	<b>New Zone</b>	<b>Producing</b>
Date and Oil/Gas/Water Rates of Last Production.	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage	Oil % Gas %	Oil % Gas %	Oil % Gas %

**ADDITIONAL DATA**

Are all working, royalty and overriding royalty interests identical in all commingled zones? Yes  No   
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? Yes  No

Are all produced fluids from all commingled zones compatible with each other? Yes  No

Will commingling decrease the value of production? Yes  No

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application? Yes  No

NMOCD Reference Case No. applicable to this well: \_\_\_\_\_

**Attachments:**

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

**PRE-APPROVED POOLS**

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Mary Corley* TITLE **Sr. Regulatory Analyst** DATE **04/15/2005**

TYPE OR PRINT NAME **Mary Corley** TELEPHONE NO. ( **281** ) **366-4491**

District I  
1625 N. French Drive, Hobbs, NM 88240

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107A  
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**APPLICATION FOR DOWNHOLE COMMINGLING**

EXISTING WELLBORE  
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**BP America Production Company P. O. Box 3092 Houston, TX 77253**

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Lease **3A** Well No. **3A** Unit Letter-Section-Township-Range **Unit P Section 31 T29N, R08W** County **San Juan**  
OGRID No. **000778** Property Code **000959** API No. **30-045-22345** Lease Type:  Federal  State  Fee

DATA ELEMENT	UPPER MOST ZONE		
Pool Name	<b>Basin Fruitland Coal</b>		
Pool Code	<b>71629</b>		
Top & Bottom of Pay Section (Perforated or Open-Hole Interval)	<b>TBD</b>		
Method of Production (Flowing or Artificial Lift)	<b>Flowing</b>		
Bottomhole Pressure	<b>430</b>		
Oil Gravity or Gas BTU (Degree API or Gas BTU)	<b>1230</b>		
Producing, Shut-In or New Zone	<b>New Zone</b>		
Date and Oil/Gas/Water Rates of Last Production.	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage	Oil % Gas %	Oil % Gas %	Oil % Gas %

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- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Mary Corley TITLE Sr. Regulatory Analyst DATE 04/15/2005

TYPE OR PRINT NAME Mary Corley TELEPHONE NO. ( 281 ) 366-4491

Allocation Method  
Pritchard 3A

BP America Production Company request permission to complete the subject well into the Otero Chacra and Basin Fruitland Coal Pools, and commingle production downhole with the existing Blanco Pictured Cliffs and Blanco Mesaverde Pools 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.

Proposed Production Allocation: Pictured Cliffs production will be allocated based on its decline factor – copy attached. The Mesaverde is currently producing intermittently, therefore it is our intent to test the Fruitland Coal and Chacra Pools independently; then test all 4 intervals together to determine the Mesaverde rate.

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

Application has also been submitted to BLM on Form 3160-5, Federal Lease No. SF – 078487.

**Pritchard 3 A**  
**Procedure to Complete into the Chacra & the Fruitland Coal & DHC with the Pictured**  
**Cliffs & Mesaverde**  
**March 30, 2005**

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1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H2S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Check ID wellhead, if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and Scheduling to ready location for rig.
3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing strings.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.
6. Blow down well. Kill with 2% KCL water ONLY if necessary.
7. Check all casing strings to ensure no pressure exist on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
8. 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.
9. Install stripping rubber.
10. TOH and LD 1-1/4" production tubing currently set at 2,335'. Using approved "Under Balance Well Control Tripping Procedure".
11. TOH w/ packer and 2-3/8" production tubing currently set at 4695'. Using approved "Under Balance Well Control Tripping Procedure".
12. TIH w/ scraper for 4-1/2". Check the distance between the top of the blind rams 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. RIH to PBTD at 4,770'. POOH.
13. Set bridge plug at 3,900'. Fill casing to PC w/ 2%KCl.
14. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from PBTD to TOL. If TOC is below Chacra, contact engineer to discuss need for remedial cement squeeze.

15. TIH w/ workstring and blow well dry.
16. Prepare for explosive operations. Follow Schlumberger Explosive SOP including radio silence, suspension of welding operations, and isolation of electrical devices from the work area. Perform Pre-job Safety Meeting to review JSA and procedures.
17. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation w/ 4 SPF.
18. RIH w/ packer and 3-1/2" by 2-7/8" frac string. Set packer at 2,450'.
19. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures , less than 5,000 psi during frac job. Flush frac with foam.
20. Flowback frac immediately. Flow well through choke manifold on 1/4", 1/2" and 3/4" chokes increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.
21. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 4-1/2" casing. Cleanout fill to top of BP set at 3,900'. **Perform well test on Chacra for regulatory and document well test in DIMS.**
22. Set bridge plug at 2,280'
23. RIH with 3-1/8" casing guns w/lubricator. Perforate Fruitland Coal formation w/ 4 SPF.
24. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures , less than 3,000 psi during frac job. Flush frac with foam.
25. Flowback frac immediately. Flow well through choke manifold on 1/4", 1/2" and 3/4" chokes increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.
26. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 7" casing. Cleanout fill to top of BP set at 2,280'. **Perform well test on Fruitland Coal for regulatory and document well test in DIMS.**
27. Cleanout fill and BP's set at 2,280' and 3,900'. Cleanout to PBSD at 4,770'. Blow well dry.
28. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
29. Land 2-3/8" production tubing at +/-4,700'. Lock down hanger.
30. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if

tubing parts close to surface or above the hanger. Check all casing string for pressure. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**

31. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
32. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs and set tubing stop for plunger. Communicate plunger equipment status to IC room personnel.
33. RD slickline unit.
34. Test well for air. Return well to production and downhole quad-mingle FT, PC, Chacra and Mesaverde.

**Pritchard 3A**  
 API # 300452234500  
 Sec 31, T29N, R8W

GL: 5853'

**History:**

- Drilled and completed in 1977 MV Upper & Lower 6-20-77
- Completed MV Upper & Lower/PC Dual 6-2-79

**Pictured Cliffs Perforations:**  
 2294'-2326', frac'd w/ 30 klbs 10/20 sand  
 25,000 gal 70% Q Foam Frac Rate 20 BPM  
 IP: 2385 MCFD 6/2/1979  
 Current: 1/05 50-60 mcf/d @110 psi fip

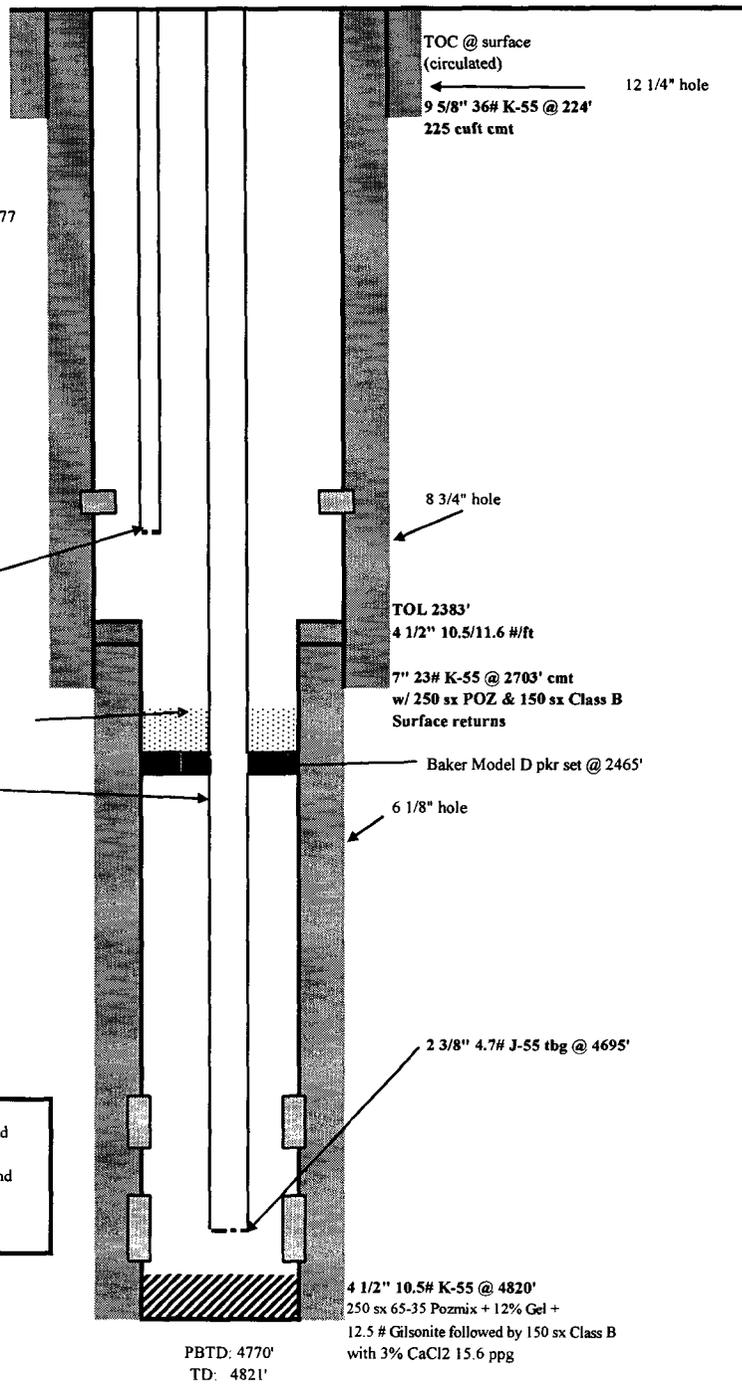
1 1/4" J55 IJ 2.3#/ft @ 2335'

Possible sand fill from Pictured Cliffs frac treatment+  
 6-2-79 which was performed down annulus

2 3/8" 1.81" F Niple profile at unknown depth

**Mesa Verde Perforations:**  
 3929' - 4351' frac'd w/ 100 klbs sand  
 4410' - 4753', frac'd w/ 100 klbs sand  
 IP: 5135 MCFD 1/6/78  
 Current: 1/05 0 mcf/d

Redrawn 1-25-05 by Richard W. Pomrenke



# Pritchard 3A Future Production Decline Estimate Pictured Cliffs

## Daily Rates

Month	Gas Volume
Jan-2004	67
Feb-2004	57
Mar-2004	58
Apr-2004	54
May-2004	39
Jun-2004	21
Jul-2004	36
Aug-2004	48
Sep-2004	44
Oct-2004	53
Nov-2004	58
Dec-2004	53
Jan-2005	55
Feb-2005	77
Mar-2005	76
Apr-2005	76
May-2005	76
Jun-2005	75
Jul-2005	75
Aug-2005	75
Sep-2005	75
Oct-2005	75
Nov-2005	74
Dec-2005	74
Jan-2006	74
Feb-2006	74
Mar-2006	74
Apr-2006	73
May-2006	73
Jun-2006	73
Jul-2006	73
Aug-2006	73
Sep-2006	72
Oct-2006	72
Nov-2006	72
Dec-2006	72

$\ln(Q_f/Q_i) = -dt$   
 $Q_f = 53$   
 $Q_i = 54$   
 $rate = 53$   
 $time = 7$   
 $dt = -0.018692133$   
 $decline = -0.002670305$

Month	Gas Volume
Jan-2007	72
Feb-2007	71
Mar-2007	71
Apr-2007	71
May-2007	71
Jun-2007	71
Jul-2007	71
Aug-2007	70
Sep-2007	70
Oct-2007	70
Nov-2007	70
Dec-2007	70
Jan-2008	69
Feb-2008	69
Mar-2008	69
Apr-2008	69
May-2008	69
Jun-2008	68
Jul-2008	68
Aug-2008	68
Sep-2008	68
Oct-2008	68
Nov-2008	68
Dec-2008	68
Jan-2009	67
Feb-2009	67
Mar-2009	67
Apr-2009	67
May-2009	67
Jun-2009	67
Jul-2009	66
Aug-2009	66
Sep-2009	66
Oct-2009	66
Nov-2009	66
Dec-2009	65
Jan-2010	65

Month	Gas Volume
Feb-2010	65
Mar-2010	65
Apr-2010	65
May-2010	65
Jun-2010	64
Jul-2010	64
Aug-2010	64
Sep-2010	64
Oct-2010	64
Nov-2010	64
Dec-2010	63
Jan-2011	63
Feb-2011	63
Mar-2011	63
Apr-2011	63
May-2011	63
Jun-2011	62
Jul-2011	62
Aug-2011	62
Sep-2011	62
Oct-2011	62
Nov-2011	62
Dec-2011	61
Jan-2012	61
Feb-2012	61
Mar-2012	61
Apr-2012	61
May-2012	61
Jun-2012	60
Jul-2012	60
Aug-2012	60
Sep-2012	60
Oct-2012	60
Nov-2012	60
Dec-2012	59
Jan-2013	59

**Pritchard 3A Future Production Decline Estimate  
Pictured Cliffs  
Daily Rates**

Month	Gas Volume
Feb-2013	59
Mar-2013	59
Apr-2013	59
May-2013	59
Jun-2013	59
Jul-2013	58
Aug-2013	58
Sep-2013	58
Oct-2013	58
Nov-2013	58
Dec-2013	58
Jan-2014	57
Feb-2014	57
Mar-2014	57
Apr-2014	57
May-2014	57
Jun-2014	57
Jul-2014	57
Aug-2014	56
Sep-2014	56
Oct-2014	56
Nov-2014	56
Dec-2014	56
Jan-2015	56
Feb-2015	55
Mar-2015	55
Apr-2015	55
May-2015	55
Jun-2015	55
Jul-2015	55
Aug-2015	55
Sep-2015	54
Oct-2015	54
Nov-2015	54
Dec-2015	54
Jan-2016	54

Month	Gas Volume
Feb-2016	54
Mar-2016	54
Apr-2016	53
May-2016	53
Jun-2016	53
Jul-2016	53
Aug-2016	53
Sep-2016	53
Oct-2016	53
Nov-2016	52
Dec-2016	52
Jan-2017	52
Feb-2017	52
Mar-2017	52
Apr-2017	52
May-2017	52
Jun-2017	51
Jul-2017	51
Aug-2017	51
Sep-2017	51
Oct-2017	51
Nov-2017	51
Dec-2017	51
Jan-2018	51
Feb-2018	50
Mar-2018	50
Apr-2018	50
May-2018	50
Jun-2018	50
Jul-2018	50
Aug-2018	50
Sep-2018	49
Oct-2018	49
Nov-2018	49
Dec-2018	49
Jan-2019	49

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

State of New Mexico  
Energy, Minerals & Natural Resources Department

Form C-102  
Revised August 15, 2000

District II  
811 South First, Artesia, NM 88210

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

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

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

District IV  
2040 South Pacheco, Santa Fe, NM 87505

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-22345		<sup>2</sup> Pool Code 82329		<sup>3</sup> Pool Name Otero Chacra	
<sup>4</sup> Property Code 000959		<sup>5</sup> Property Name Pritchard			<sup>6</sup> Well Number 3A
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP America Production Company			<sup>9</sup> Elevation 5853'

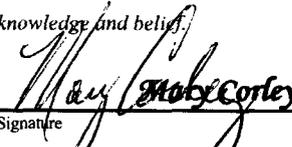
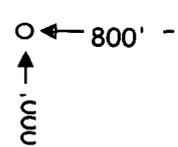
<sup>10</sup> Surface Location

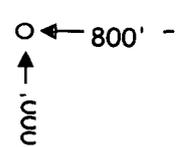
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit P	31	29N	08W		1000	South	800	East	San Juan

<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
<sup>12</sup> Dedicated Acres 160		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code			<sup>15</sup> Order No.		

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>	
				 Signature Printed Name <b>Mary Corley</b> Title <b>Sr. Regulatory Analyst</b> Date <b>4/15/2005</b>	
				<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>2/14/1977</b> Date of Survey Signature and Seal of Professional Surveyor:  <b>James P Leece 1463</b> Certificate Number	



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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 30-045-22345		<sup>2</sup> Pool Code 71629		<sup>3</sup> Pool Name Basin Fruitland Coal			
<sup>4</sup> Property Code 000959		<sup>5</sup> Property Name Pritchard				<sup>6</sup> Well Number 3A	
<sup>7</sup> OGRID No. 000778		<sup>8</sup> Operator Name BP America Production Company				<sup>9</sup> Elevation 5853'	

<sup>10</sup> Surface Location

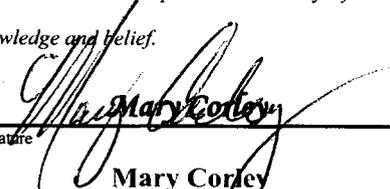
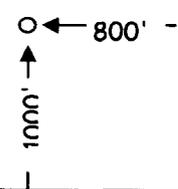
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit P	31	29N	08W		1000	South	800	East	San Juan

<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

<sup>12</sup> Dedicated Acres 320	<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

		Largo 31B 18 API 30-045-28659 1149' FNL & 1519' FEL 		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
				Signature 
				Printed Name Mary Corley
				Title Sr. Regulatory Analyst
				Date 4/15/2005
				<sup>18</sup> SURVEYOR CERTIFICATION 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.
				Date of Survey 2/14/1977
				Signature and Seal of Professional Surveyor:  James P Leeae 1463
				Certificate Number