

Submit 3 Copies To Appropriate District Office  
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  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
Revised March 25, 1999

WELL API NO. <b>30-045-26580</b>
5. Indicate Type of Lease STATE FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: <b>Riddle F LS</b> (Also filed on BLM Form 3160-5 Federal Lease SF - 080112)
8. Well No. <b>5A</b>
9. Pool name or Wildcat <b>Blanco Mesaverde &amp; Otero Chacra</b>

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:  
Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
**BP America Production Company** Attn: **Mary Corley**

3. Address of Operator  
**P.O. Box 3092 Houston, TX 77253**

4. Well Location  
Unit Letter **P** **690** feet from the **South** line and **1000** feet from the **East** line  
Section **32** Township **28N** Range **08W** NMPM **San Juan** County  
10. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**6335' GR**

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <b>Downhole Commingle</b> <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.  
**BP America Production Company request permission to recomplete the subject well into the Otero Chacra and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.**

**The Blanco Mesaverde (72319) & Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOC order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no further notification of this application is required.**

**Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Mesaverde. That production shall serve as a base for production subtracted from the total production for the commingled well. The balance of the production will be attributed to the Chacra. Attached is the future production decline estimates for the Mesaverde.**

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

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 **04/30/2003**  
Type or print name **Mary Corley** Telephone No. **281-366-4491**

(This space for State use)  
APPROVED BY *[Signature]* TITLE **DEPUTY OIL & GAS INSPECTOR, DIST. #3** DATE **MAY - 5 2003**  
Conditions of approval, if any:

**District I**

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**District IV**

2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources DepartmentOIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505Form C-102  
Revised August 15, 2000Submit 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>30-045-26580</b>	<sup>2</sup> Pool Code <b>82329</b>	<sup>3</sup> Pool Name <b>Otero Chacra</b>
<sup>4</sup> Property Code <b>000978</b>	<sup>5</sup> Property Name <b>Riddle F LS</b>	<sup>6</sup> Well Number <b>5A</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>6335' GR</b>

<sup>10</sup> Surface Location

UL or lot no. <b>Unit P</b>	Section <b>32</b>	Township <b>28N</b>	Range <b>08W</b>	Lot Idn	Feet from <b>690'</b>	North/South <b>South</b>	Feet from <b>1000'</b>	East/West <b>East</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>160</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>04/30/2003</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>On File</b> Date of Survey Signature and Seal of Professional Surveyor:  <b>Fred B Kerr 3950</b> Certificate Number

## **Riddle F LS #5A Chacra Recompletion and Downhole Commingle Procedure**

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### **Procedure:**

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well. Kill with 2% KCL water ONLY if necessary.
4. Nipple down WH. NU BOPs.
5. Tag for fill and tally OH with 2-3/8" production tubing currently set at 5025'.
6. TIH with bit and scraper for 4-1/2" casing to 5030'. Work casing scraper across Mesaverde perforations (4570' – 5029') and new Chacra interval (3540' – 3680').
7. RU WL unit. RIH with 4-1/2" CIBP. Set CIBP at 3725'.
8. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).

Chacra perforations, 2 spf (22 shots/ 42 holes):

3540' – 3545'  
3560' – 3565'  
3656' – 3662'  
3672' – 3678'

9. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
10. Flowback frac immediately.
11. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 3725'. Cleanout fill to PBTD. Blow well dry at PBTD.
12. RIH with 2-3/8" production tubing.
13. Land 2-3/8" production tubing at 5000'.
14. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle Chacra and Mesaverde production.