

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM 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. NMSF078390	
2. Name of Operator BP AMERICA PRODUCTION CO		6. If Indian, Allottee or Tribe Name	
3a. Address PO BOX 3092 HOUSTON, TX 77253		7. If Unit or CA/Agreement, Name and/or No.	
3b. Phone No. (include area code) Ph: 281.366.4491		8. Well Name and No. JONES A LS 5	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T28N R8W NESW 1550FSL 1800FWL 36.65836 N Lat, 107.63469 W Lon		9. API Well No. 30-045-07408-00-S1	
		10. Field and Pool, or Exploratory BLANCO MESAVARDE 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input 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 recompleate 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 recompleation 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 recompleate the subject well into the Otero Chacra Pool and commingle production Downhole with the existing Blanco Mesaverde as per the attached procedure.  
The Blanco Mesaverde (72319) and Otero Chacra (82329) Pools are Pre-Approved Pools for Downhole Commingling per NMOCD order R-11363. The working and overriding royalty interest owners in the proposed commingled pools are identical, therefore no additional notification 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

**CONDITIONS OF APPROVAL**

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #54299 verified by the BLM Well Information System  
For BP AMERICA PRODUCTION CO, sent to the Farmington  
Committed to AFMSS for processing by MATTHEW HALBERT on 03/03/2005 (05MXH0431SE)

Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 02/21/2005

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

Approved By <i>[Signature]</i>	Title <i>Petr. Eng</i>	Date <i>3/7/05</i>
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

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.

**Additional data for EC transaction #54299 that would not fit on the form**

**32. Additional remarks, continued**

value of the total remaining production

**Jones A LS 5    API # 30-045-07408**  
**Complete into the Chacra & DHC with Mesaverde**  
**February 4, 2005**

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**Procedure:**

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H<sub>2</sub>S, 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 string.
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, pull tubing hanger up above pipe rams, and shut pipe rams. Remove stripping rubber. Strip tubing hanger out of hole. Re-install stripping rubber.
10. TOH and LD 2-3/8" production tubing currently set at 5115'. Using approved "Under Balance Well Control Tripping Procedure".
11. TIH w/ scraper for 5-1/2". 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 +/-5,200'. POOH.
12. Set bridge plug at 4,500'. Fill casing w/ 2%KCl and test to 2,500 psi w/ rig pumps.
13. RU E-line equipment. Pressure test lubricator and equipment. Log well w/ CBL from PBTD to 3000. If TOC is below Chacra', contact engineer to discuss need for remedial cement squeeze.
14. TIH w/ workstring and blow well dry.

15. 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. Meeting should address the VDR (vehicle data recorder) System that Bp people have installed on their vehicles. They must be shut off at the 300 foot sign by hitting 00 and then the enter button, and then wait for about 5 minutes for the unit to turn off. When the green light goes out, call the control center at 326-9475. This number is on a pickup list in the Optimizer room and should be your first point of contact followed by the front desk then the weekend pager. Verify the unit is not transmitting. You then can drive to location and park, but do not to exceed 10 Miles/hr. Note: 20 MPH will turn unit back on. If someone has On Star on their vehicle they cannot enter closer than 300 foot. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic device that transmits a signal.
16. RIH with 3-1/8" casing guns w/lubricator. Perforate Chacra formation w/ 4 SPF.
17. NU Frac isolation equipment. 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. Fill out GWSI scorecard.
18. 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.
19. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company), TIH with tubing and bit for 5-1/2" casing. Cleanout fill to top of BP set at 4,500'. **Perform well test on Chacra for regulatory and document well test in DIMS.**
20. Cleanout fill and BP set at 4,500'. Cleanout to PBTD at +/- 5,200'. Blow well dry.
21. Rabbit tubing and RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
22. Land 2-3/8" production tubing at +/-5,150'. Lock down hanger.
23. 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.**
24. 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.
25. 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.
26. RD slickline unit.
27. Test well for air. Return well to production and downhole co-mingle Chacra and Mesaverde.

API #: 3004507408

est. TOC @ surf (circ)

10 3/4" @ 173'

7" TOC - ??

7 5/8" @ 3028'

5 1/2" TOC - ??

Tubing: 2-3/8" @ 5115'

5 1/2" CSG @ 5235'

PBTB: ???

- Drilled and completed in 1956

4518' - 4534'  
4582' - 4615'  
4763' - 4998' w/ 63,600# sand

updated: 12/10/04 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>30-045-07408</b>	<sup>2</sup> Pool Code <b>82329</b>	<sup>3</sup> Pool Name <b>Otero Chacra</b>
<sup>4</sup> Property Code <b>000759</b>	<sup>5</sup> Property Name <b>Jones A LS</b>	<sup>6</sup> Well Number <b>5</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>6287' GR</b>

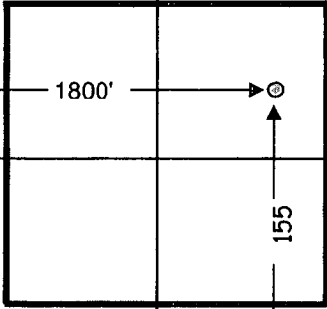
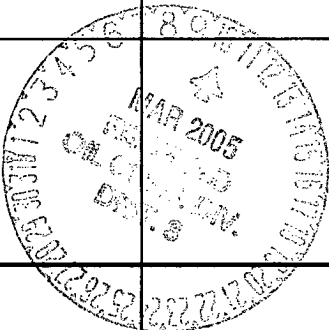
<sup>10</sup> Surface Location

UL or lot no. <b>Unit K</b>	Section <b>13</b>	Township <b>28N</b>	Range <b>08W</b>	Lot Idn	Feet from <b>1550</b>	North/South <b>South</b>	Feet from <b>1800</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
<sup>12</sup> Dedicated Acres <b>160</b>	<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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <b>Mary Corley</b>
		Signature <b>Mary Corley</b>
		Printed Name <b>Sr. Regulatory Analyst</b>
		Title <b>2/21/2005</b>
		<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.  <b>On File</b>
		Date of Survey <b>2/21/2005</b>
		Signature and Seal of Professional Surveyor:  <b>Fred B Kerr 3950</b>
		Certificate Number

# Jones A LS 5 Future Production Decline Estimate Mesaverde Daily Rates

2/21/2005

Month	Gas Volume
Jan-2004	165
Feb-2004	140
Mar-2004	144
Apr-2004	135
May-2004	136
Jun-2004	94
Jul-2004	152
Aug-2004	142
Sep-2004	137
Oct-2004	139
Nov-2004	138
Dec-2004	137
Jan-2005	136
Feb-2005	135
Mar-2005	134
Apr-2005	133
May-2005	132
Jun-2005	132
Jul-2005	131
Aug-2005	130
Sep-2005	129
Oct-2005	128
Nov-2005	127
Dec-2005	126
Jan-2006	125
Feb-2006	124
Mar-2006	123
Apr-2006	122
May-2006	122
Jun-2006	121
Jul-2006	120
Aug-2006	119
Sep-2006	118
Oct-2006	117
Nov-2006	117
Dec-2006	116

$\ln(Q_f/Q_i) = -dt$   
 $Q_f = 137$   
 $Q_i = 144$   
 $rate = 137$   
 $time = 7$   
 $dt = -0.049832374$   
 $decline = -0.007118911$

Month	Gas Volume
Jan-2007	115
Feb-2007	114
Mar-2007	113
Apr-2007	112
May-2007	112
Jun-2007	111
Jul-2007	110
Aug-2007	109
Sep-2007	109
Oct-2007	108
Nov-2007	107
Dec-2007	106
Jan-2008	105
Feb-2008	105
Mar-2008	104
Apr-2008	103
May-2008	103
Jun-2008	102
Jul-2008	101
Aug-2008	100
Sep-2008	100
Oct-2008	100
Nov-2008	99
Dec-2008	98
Jan-2009	98
Feb-2009	97
Mar-2009	96
Apr-2009	95
May-2009	95
Jun-2009	94
Jul-2009	93
Aug-2009	93
Sep-2009	92
Oct-2009	91
Nov-2009	91
Dec-2009	90
Jan-2010	90

Month	Gas Volume
Feb-2010	89
Mar-2010	88
Apr-2010	88
May-2010	87
Jun-2010	86
Jul-2010	86
Aug-2010	85
Sep-2010	85
Oct-2010	84
Nov-2010	83
Dec-2010	83
Jan-2011	82
Feb-2011	82
Mar-2011	81
Apr-2011	80
May-2011	80
Jun-2011	79
Jul-2011	79
Aug-2011	78
Sep-2011	78
Oct-2011	77
Nov-2011	77
Dec-2011	76
Jan-2012	75
Feb-2012	75
Mar-2012	74
Apr-2012	74
May-2012	73
Jun-2012	73
Jul-2012	72
Aug-2012	72
Sep-2012	71
Oct-2012	71
Nov-2012	70
Dec-2012	70
Jan-2013	69

# **Jones A LS 5 Future Production Decline Estimate** **Mesaverde Daily Rates**

2/21/2005

Month	Gas Volume
Feb-2013	69
Mar-2013	68
Apr-2013	68
May-2013	67
Jun-2013	67
Jul-2013	66
Aug-2013	66
Sep-2013	65
Oct-2013	65
Nov-2013	65
Dec-2013	64
Jan-2014	64
Feb-2014	63
Mar-2014	63
Apr-2014	62
May-2014	62
Jun-2014	61
Jul-2014	61
Aug-2014	61
Sep-2014	60
Oct-2014	60
Nov-2014	59
Dec-2014	59
Jan-2015	58
Feb-2015	58
Mar-2015	58
Apr-2015	57
May-2015	57
Jun-2015	56
Jul-2015	56
Aug-2015	56
Sep-2015	55
Oct-2015	55
Nov-2015	54
Dec-2015	54
Jan-2016	54

Month	Gas Volume
Feb-2016	53
Mar-2016	53
Apr-2016	52
May-2016	52
Jun-2016	52
Jul-2016	51
Aug-2016	51
Sep-2016	51
Oct-2016	50
Nov-2016	50
Dec-2016	50
Jan-2017	49
Feb-2017	49
Mar-2017	49
Apr-2017	48
May-2017	48
Jun-2017	48
Jul-2017	47
Aug-2017	47
Sep-2017	47
Oct-2017	46
Nov-2017	46
Dec-2017	46
Jan-2018	45
Feb-2018	45
Mar-2018	45
Apr-2018	44
May-2018	44
Jun-2018	44
Jul-2018	43
Aug-2018	43
Sep-2018	43
Oct-2018	42
Nov-2018	42
Dec-2018	42
Jan-2019	42