

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.5. Lease Serial No.
NMNM04208

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
MCCULLEY LS 2A2. Name of Operator
BP AMERICA PRODUCTION COContact: MARY CORLEY
E-Mail: corleym@bp.com9. API Well No.
30-045-29305-00-S13a. Address
P. O. BOX 3092
HOUSTON, TX 772533b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.070010. Field and Pool, or Exploratory
BLANCO MESAVERDE
OTERO CHACRA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 14 T28N R9W SWNW 1545FNL 0895FWL
36.66502 N Lat, 107.76341 W Lon

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 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 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 NMOCD 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.

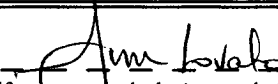
CONDITIONS OF APPROVAL
Adhere to previously issued stipulations.

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

DHL 1494 A 2

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #30025 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 05/25/2004 (04MXH1671SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 04/27/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title Petr. Eng.	Date 5/27/04
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.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ******NMOCD**

Additional data for EC transaction #30025 that would not fit on the form

32. Additional remarks, continued

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.

McCulley LS 2A
Complete into the Chacra and Downhole Commingle Chacra and Mesaverde

Procedure:

1. Check and record casing, and bradenhead pressures.
2. RU WL unit. RIH with 2-7/8" CIBP. Set composite bridge plug at 3900'.
3. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).

Chacra perforations, 2 spf (15 shots/ 30 holes):
interval to be determined (+/- 3150-3350)

4. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule. Maintain surface pressures ≤ 5500 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.
5. Flowback frac immediately.
6. TIH with motor and mill on CTU. Cleanout fill and drill bridge plug set at 3900'. Cleanout to PBTD at 4650'. Blow well dry.
7. Test well for air. Return well to production and downhole co-mingle Chacra, and Mesaverde.

McCulley LS 2A

Sec 14, T28N, R9W

API # 30-045-29305

GL: 5881'

History:

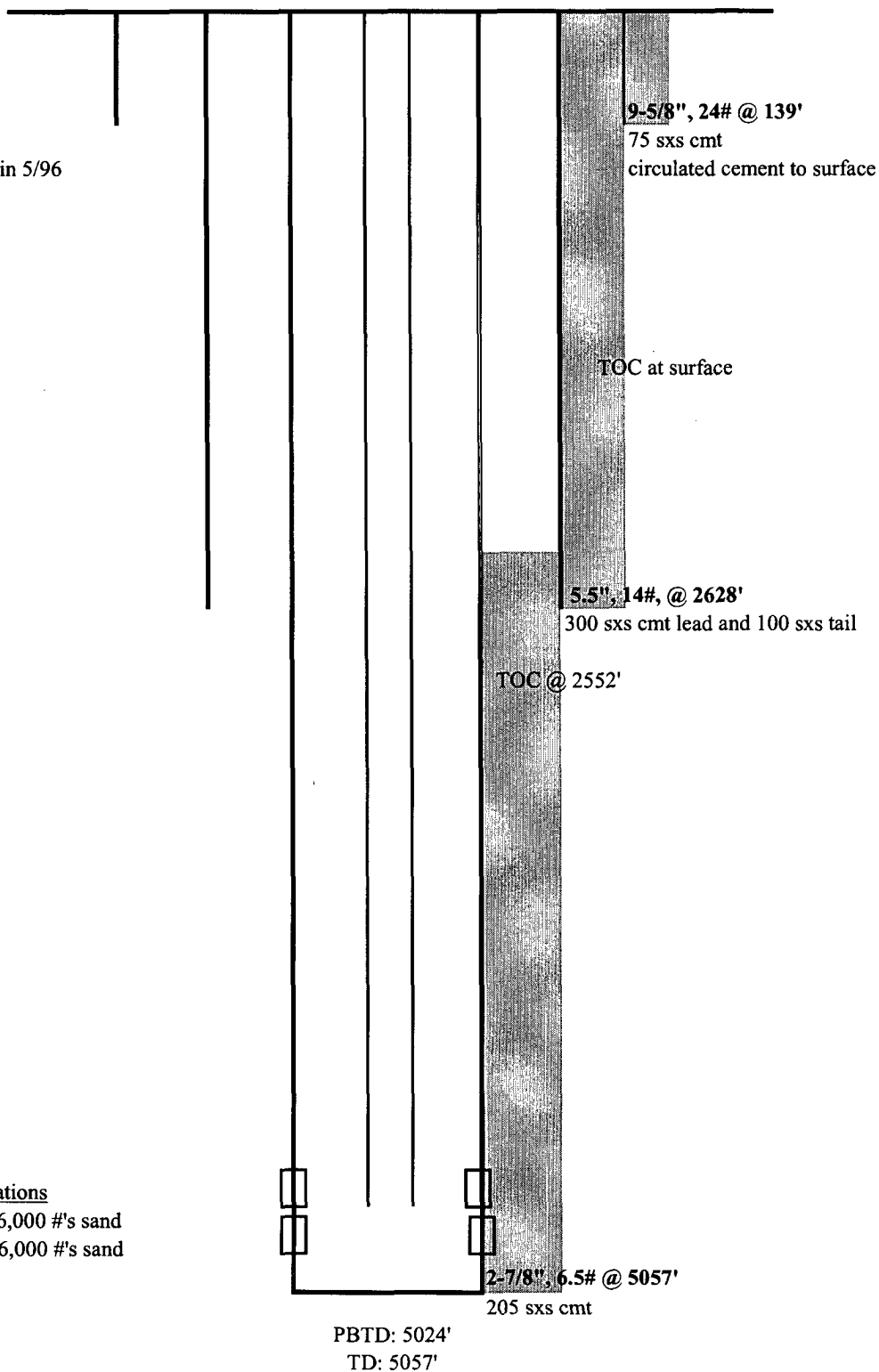
Completed in MV in 5/96

Mesaverde Perforations

4010' - 4422' w/ 46,000 #'s sand

4488' - 4810 w/ 76,000 #'s sand

Formation tops: Cliff House 3877
Menefee 3896
Point Lookout 4473



updated: 4/6/04 CFR

McCulley LS 2A Future Production Decline Estimate Mesaverde Daily Rates

Month	Gas Volume
Jan-2003	0
Feb-2003	105
Mar-2003	99
Apr-2003	70
May-2003	66
Jun-2003	60
Jul-2003	58
Aug-2003	57
Sep-2003	60
Oct-2003	61
Nov-2003	60
Dec-2003	60
Jan-2004	60
Feb-2004	60
Mar-2004	60
Apr-2004	59
May-2004	59
Jun-2004	59
Jul-2004	59
Aug-2004	58
Sep-2004	58
Oct-2004	58
Nov-2004	58
Dec-2004	57
Jan-2005	57
Feb-2005	57
Mar-2005	57
Apr-2005	56
May-2005	56
Jun-2005	56
Jul-2005	56
Aug-2005	55
Sep-2005	55
Oct-2005	55
Nov-2005	55
Dec-2005	54

$$\ln(Q_f/Q_i) = -dt$$

$$Q_f = 60$$

$$Q_i = 61$$

$$\text{rate} = 60$$

$$\text{** time} = 4$$

$$dt = -0.016529302$$

$$\text{decline} = -0.247939529$$

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Month	Gas Volume
Jan-2006	54
Feb-2006	54
Mar-2006	54
Apr-2006	53
May-2006	53
Jun-2006	53
Jul-2006	53
Aug-2006	52
Sep-2006	52
Oct-2006	52
Nov-2006	52
Dec-2006	51
Jan-2007	51
Feb-2007	51
Mar-2007	51
Apr-2007	50
May-2007	50
Jun-2007	50
Jul-2007	50
Aug-2007	49
Sep-2007	49
Oct-2007	49
Nov-2007	49
Dec-2007	48
Jan-2008	48
Feb-2008	48
Mar-2008	48
Apr-2008	47
May-2008	47
Jun-2008	47
Jul-2008	47
Aug-2008	47
Sep-2008	46
Oct-2008	46
Nov-2008	46
Dec-2008	46
Jan-2009	45

Month	Gas Volume
Feb-2009	45
Mar-2009	45
Apr-2009	45
May-2009	44
Jun-2009	44
Jul-2009	44
Aug-2009	44
Sep-2009	43
Oct-2009	43
Nov-2009	43
Dec-2009	43
Jan-2010	42
Feb-2010	42
Mar-2010	42
Apr-2010	42
May-2010	41
Jun-2010	41
Jul-2010	41
Aug-2010	41
Sep-2010	40
Oct-2010	40
Nov-2010	40
Dec-2010	40
Jan-2011	39
Feb-2011	39
Mar-2011	39
Apr-2011	39
May-2011	38
Jun-2011	38
Jul-2011	38
Aug-2011	38
Sep-2011	37
Oct-2011	37
Nov-2011	37
Dec-2011	37
Jan-2012	36

McCulley LS 2A
Future Production Decline Estimate
Mesaverde Daily Rates

Month	Gas Volume
Feb-2012	36
Mar-2012	36
Apr-2012	36
May-2012	36
Jun-2012	36
Jul-2012	36
Aug-2012	35
Sep-2012	35
Oct-2012	35
Nov-2012	35
Dec-2012	35
Jan-2013	35
Feb-2013	35
Mar-2013	34
Apr-2013	34
May-2013	34
Jun-2013	34
Jul-2013	34
Aug-2013	34
Sep-2013	34
Oct-2013	33
Nov-2013	33
Dec-2013	33
Jan-2014	33
Feb-2014	33
Mar-2014	33
Apr-2014	33
May-2014	32
Jun-2014	32
Jul-2014	32
Aug-2014	32
Sep-2014	32
Oct-2014	32
Nov-2014	32
Dec-2014	31
Jan-2015	31

Month	Gas Volume
Feb-2015	31
Mar-2015	31
Apr-2015	31
May-2015	31
Jun-2015	31
Jul-2015	30
Aug-2015	30
Sep-2015	30
Oct-2015	30
Nov-2015	30
Dec-2015	30
Jan-2016	30
Feb-2016	29
Mar-2016	29
Apr-2016	29
May-2016	29
Jun-2016	29
Jul-2016	29
Aug-2016	29
Sep-2016	28
Oct-2016	28
Nov-2016	28
Dec-2016	28
Jan-2017	28
Feb-2017	28
Mar-2017	28
Apr-2017	27
May-2017	27
Jun-2017	27
Jul-2017	27
Aug-2017	27
Sep-2017	27
Oct-2017	27
Nov-2017	27
Dec-2017	26
Jan-2018	26

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 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**

¹ API Number 30-045-29305	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 000854	⁵ Property Name McCulley LS	⁶ Well Number 2A
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5881' GR

¹⁰ Surface Location

UL or lot no. Unit E	Section 14	Township 28N	Range 09W	Lot Idn	Feet from 1545'	North/South North	Feet from 895'	East/West West	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet	East/West	County
¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ 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

				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>Mary Corley</i>
				Signature Mary Corley Printed Name Sr. Regulatory Analyst Title 04/26/2004 Date
				¹⁸ 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. 10/17/1995
				Date of Survey Signature and Seal of Professional Surveyor: Gary D Vann 7016 Certificate Number