

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.
NMSF077123

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 ☐ Other

2. Name of Operator

BP AMERICA PRODUCTION CO

Contact:

MARY CORLEY

E-Mail: corleyml@bp.com

3a. Address

P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)

Ph: 281.366.4491

Fx: 281.366.0700

8. Well Name and No.
WARREN LS 1A

9. API Well No.

30-045-23772-00-S1

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

Sec 13 T28N R9W NWSE Tract A GONZALES 1850FSL 1850FEL
36.65988 N Lat, 107.73666 W Lon10. Field and Pool, or Exploratory
BLANCO MESAVERDE
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			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Subsurface Commingling
	☐ Convert to Injection	☐ Plug Back	☐ 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 recompleat 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 recompleat 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 recompleat the subject well into the Otero Charca Pool and commingle production downhole with the existing Blanco Mesaverde Pool 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.

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

CONDITIONS OF APPROVAL

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

Adhere to previously issued stipulations

Electronic Submission #21174 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 05/08/2003 (03MXH0784SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 04/29/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USEApproved By /s/ Jim Lovato

Title

Date

MAY - 9 2003

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 #21174 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.

SJ Basin Well Work Procedure

Warren LS 001A

Sec 13, T28N, R09W

API# 30045023772

1. Check anchors. MIRU workover rig.
2. Blow down well. Kill with 2% KCL water ONLY if necessary. ND WH and NU BOP's.
3. TOH with 2-3/8" string set at 4845'.
4. Clean out to PBTD at 4972'.
5. RIH and set CIBP at 4100'.
6. RIH w/ GR log.
7. RIH with 3-1/8" casing guns 2 SPF 120 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate Chacra (correlate to GR log).
8. RU frac equipment. Use 2% KCL-N2 foam in fracture stimulation.
9. Frac Chacra down casing according to pump schedule.
10. Flowback frac fluid immediately.
11. RIH with work string and bit. Drill out CIBP set at 4100'. Continue clean out hole to PBTD at 4972'. Blow well dry with air package at PBTD. POH with work string.
12. Rabbit tubing and RIH with 2-3/8" production tubing (with X-nipple and plug on bottom). Replace any joints that fail the pressure test.
13. Land 2-3/8" production tubing at 4880'.
14. Swab water from tubing with the sandline.
15. RU slickline unit. Run gauge ring for 2-3/8" tubing. Pull plug. RD slickline unit.
16. ND BOP's. NU WH. Test well for air. Return well to production.

Warren LS 1 A

Sec 13, T28N, R9W

API #: 3004523772

GL: 5943'

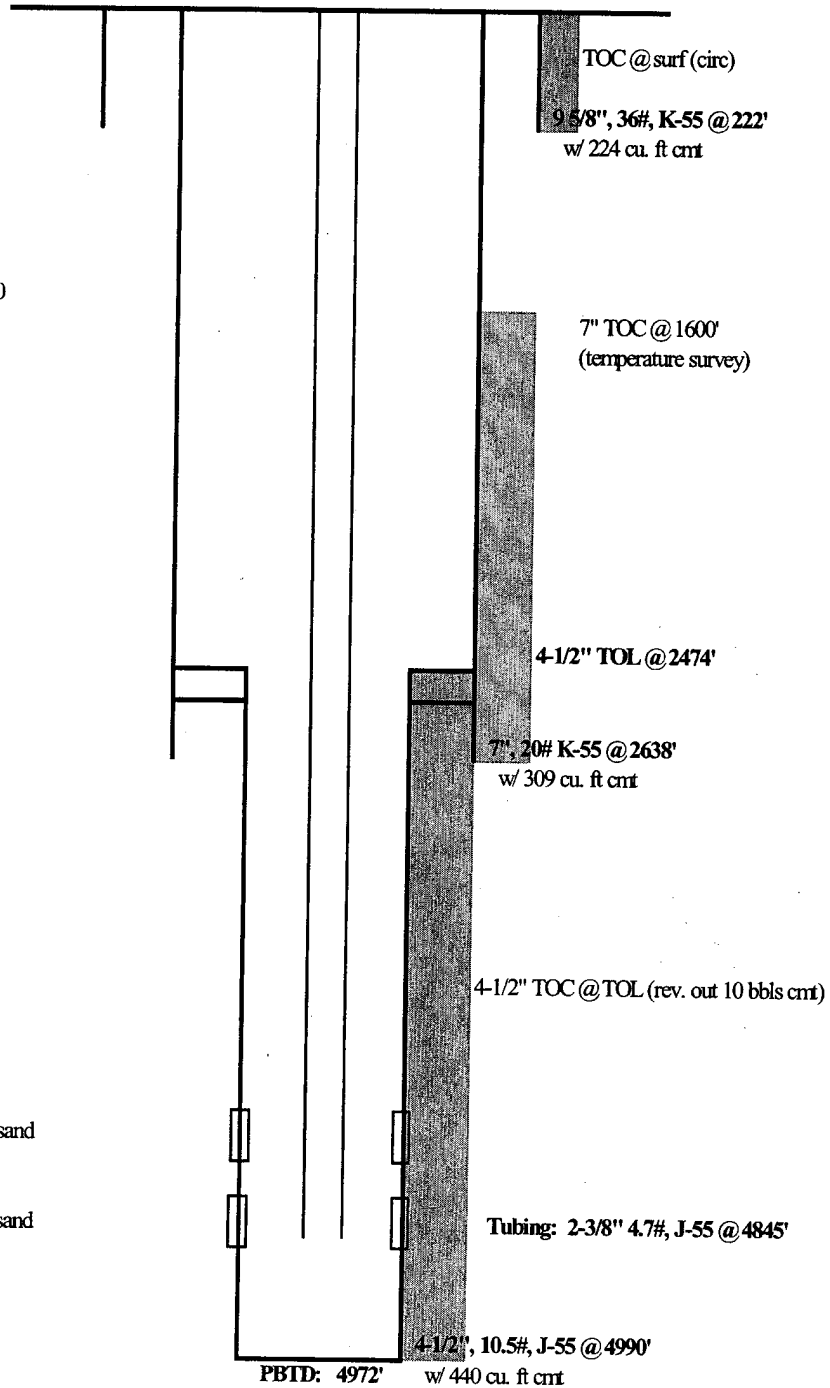
History:

- Drilled and completed in 1980
- Wellwork in Jan 2002

MV perforations

4182' - 4493', frac'd w/ 34,000# sand

4526' - 4918', frac'd w/ 71,700# sand



updated: 04/07/03 az

Future Production Decline Estimate Mesaverde (Monthly Factor .00317)

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 71 \text{ MCFD (05/2002)}$
 $Q_f = 65 \text{ MCFD (10/2002)}$
 $t = 5 \text{ months (.41666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes
 $65/71 = .91549$
 $.91549 * .41666 = .03814$
 0.003178333

Month	Gas Volume
Jan-2002	73
Feb-2002	84
Mar-2002	83
Apr-2002	75
May-2002	71
Jun-2002	48
Jul-2002	80
Aug-2002	103
Sep-2002	177
Oct-2002	65
Nov-2002	68
Dec-2002	69
Jan-2003	69
Feb-2003	69
Mar-2003	69
Apr-2003	69
May-2003	69
Jun-2003	69
Jul-2003	69
Aug-2003	68
Sep-2003	68
Oct-2003	68
Nov-2003	68
Dec-2003	68
Jan-2004	68
Feb-2004	68
Mar-2004	68
Apr-2004	68
May-2004	68
Jun-2004	68
Jul-2004	68
Aug-2004	68
Sep-2004	68
Oct-2004	67
Nov-2004	67
Dec-2004	67

Month	Gas Volume
Jan-2005	67
Feb-2005	67
Mar-2005	67
Apr-2005	67
May-2005	67
Jun-2005	67
Jul-2005	67
Aug-2005	67
Sep-2005	67
Oct-2005	67
Nov-2005	67
Dec-2005	67
Jan-2006	66
Feb-2006	66
Mar-2006	66
Apr-2006	66
May-2006	66
Jun-2006	66
Jul-2006	66
Aug-2006	66
Sep-2006	66
Oct-2006	66
Nov-2006	66
Dec-2006	66
Jan-2007	66
Feb-2007	66
Mar-2007	66
May-2007	66
Jun-2007	65
Jul-2007	65
Aug-2007	65
Sep-2007	65
Oct-2007	65
Nov-2007	65
Dec-2007	65
Jan-2008	65

Month	Gas Volume
Feb-2008	65
Mar-2008	65
Apr-2008	64
May-2008	64
Jun-2008	64
Jul-2008	64
Aug-2008	63
Sep-2008	63
Oct-2008	63
Nov-2008	63
Dec-2008	63
Jan-2009	62
Feb-2009	62
Mar-2009	62
Apr-2009	62
May-2009	61
Jun-2009	61
Jul-2009	61
Aug-2009	61
Sep-2009	61
Oct-2009	60
Nov-2009	60
Dec-2009	60
Jan-2010	60
Feb-2010	60
Mar-2010	59
Apr-2010	59
May-2010	59
Jun-2010	59
Jul-2010	59
Aug-2010	58
Sep-2010	58
Oct-2010	58
Nov-2010	58
Dec-2010	58
Jan-2011	57

Future Production Decline Estimate Mesaverde
(Monthly Factor .00317)

Month	Gas Volume
Feb-2011	57
Mar-2011	57
Apr-2011	57
May-2011	57
Jun-2011	56
Jul-2011	56
Aug-2011	56
Sep-2011	56
Oct-2011	56
Nov-2011	55
Dec-2011	55
Jan-2012	55
Feb-2012	55
Mar-2012	55
Apr-2012	54
May-2012	54
Jun-2012	54
Jul-2012	54
Aug-2012	54
Sep-2012	54
Oct-2012	53
Nov-2012	53
Dec-2012	53
Jan-2013	53
Feb-2013	53
Mar-2013	52
Apr-2013	52
May-2013	52
Jun-2013	52
Jul-2013	52
Aug-2013	52
Sep-2013	51
Oct-2013	51
Nov-2013	51
Dec-2013	51
Jan-2014	51

Month	Gas Volume
Feb-2014	51
Mar-2014	50
Apr-2014	50
May-2014	50
Jun-2014	50
Jul-2014	50
Aug-2014	50
Sep-2014	49
Oct-2014	49
Nov-2014	49
Dec-2014	49
Jan-2015	49
Feb-2015	49
Mar-2015	49
Apr-2015	48
May-2015	48
Jun-2015	48
Jul-2015	48
Aug-2015	48
Sep-2015	48
Oct-2015	48
Nov-2015	47
Dec-2015	47
Jan-2016	47
Feb-2016	47
Mar-2016	47
Apr-2016	47
May-2016	47
Jun-2016	46
Jul-2016	46
Aug-2016	46
Sep-2016	46
Oct-2016	46
Nov-2016	46
Dec-2016	46
Jan-2017	45

Month	Gas Volume
Feb-2017	45
Mar-2017	45
Apr-2017	45
May-2017	45
Jun-2017	45
Jul-2017	45
Aug-2017	45
Sep-2017	44
Oct-2017	44
Nov-2017	44
Dec-2017	44
Jan-2018	44
Feb-2018	44
Mar-2018	44
Apr-2018	43
May-2018	43
Jun-2018	43
Jul-2018	43
Aug-2018	43
Sep-2018	43
Oct-2018	43
Nov-2018	43
Dec-2018	42
Jan-2019	42
Feb-2019	42
Mar-2019	42
Apr-2019	42
May-2019	42
Jun-2019	42
Jul-2019	42
Aug-2019	41
Sep-2019	41
Oct-2019	41
Nov-2019	41
Dec-2019	41
Jan-2020	41

Month	Gas Volume
Feb-2020	41
Mar-2020	40
Apr-2020	40
May-2020	40
Jun-2020	40
Jul-2020	40
Aug-2020	39
Sep-2020	39
Oct-2020	39
Nov-2020	39
Dec-2020	39
Jan-2021	38
Feb-2021	38
Mar-2021	38
Apr-2021	38
May-2021	38
Jun-2021	37
Jul-2021	37
Aug-2021	37
Sep-2021	37
Oct-2021	37
Nov-2021	37
Dec-2021	36
Jan-2022	36
Feb-2022	36
Mar-2022	36
Apr-2022	36
May-2022	35
Jun-2022	35
Jul-2022	35
Aug-2022	35
Sep-2022	35
Oct-2022	35
Nov-2022	34
Dec-2022	34
Jan-2023	34

Future Production Decline Estimate Mesaverde (Monthly Factor .00317)

Month	Gas Volume
Feb-2023	34
Mar-2023	34
Apr-2023	34
May-2023	33
Jun-2023	33
Jul-2023	33
Aug-2023	33
Sep-2023	33
Oct-2023	33
Nov-2023	32
Dec-2023	32
Jan-2024	32
Feb-2024	32
Mar-2024	32
Apr-2024	32
May-2024	31
Jun-2024	31
Jul-2024	31
Aug-2024	31
Sep-2024	31
Oct-2024	31
Nov-2024	31
Dec-2024	30
Jan-2025	30
Feb-2025	30
Mar-2025	30
Apr-2025	30
May-2025	30
Jun-2025	29
Jul-2025	29
Aug-2025	29
Sep-2025	29
Oct-2025	29
Nov-2025	29
Dec-2025	29
Jan-2026	28

Month	Gas Volume
Feb-2026	28
Mar-2026	28
Apr-2026	28
May-2026	28
Jun-2026	28
Jul-2026	28
Aug-2026	27
Sep-2026	27
Oct-2026	27
Nov-2026	27
Dec-2026	27
Jan-2027	27
Feb-2027	27
Mar-2027	27
Apr-2027	26
May-2027	26
Jun-2027	26
Jul-2027	26
Aug-2027	26
Sep-2027	26
Oct-2027	26
Nov-2027	25
Dec-2027	25
Jan-2028	25
Feb-2028	25
Mar-2028	25
Apr-2028	25
May-2028	25
Jun-2028	25
Jul-2028	24
Aug-2028	24
Sep-2028	24
Oct-2028	24
Nov-2028	24
Dec-2028	24
Jan-2029	24

Month	Gas Volume
Feb-2029	24
Mar-2029	24
Apr-2029	23
May-2029	23
Jun-2029	23
Jul-2029	23
Aug-2029	23
Sep-2029	23
Oct-2029	23
Nov-2029	23
Dec-2029	22
Jan-2030	22
Feb-2030	22
Mar-2030	22
Apr-2030	22
May-2030	22
Jun-2030	22
Jul-2030	22
Aug-2030	22
Sep-2030	21
Oct-2030	21
Nov-2030	21
Dec-2030	21
Jan-2031	21
Feb-2031	21
Mar-2031	21
Apr-2031	21
May-2031	21
Jun-2031	21
Jul-2031	20
Aug-2031	20
Sep-2031	20
Oct-2031	20
Nov-2031	20
Dec-2031	20
Jan-2032	20

Month	Gas Volume
Feb-2032	20
Mar-2032	20
Apr-2032	19
May-2032	19
Jun-2032	19
Jul-2032	19
Aug-2032	19
Sep-2032	19
Oct-2032	19
Nov-2032	19
Dec-2032	19
Jan-2033	19
Feb-2033	18
Mar-2033	18
Apr-2033	18
May-2033	18
Jun-2033	18
Jul-2033	18
Aug-2033	18
Sep-2033	18
Oct-2033	18
Nov-2033	18
Dec-2033	18
Jan-2034	18
Feb-2034	17
Mar-2034	17
Apr-2034	17
May-2034	17
Jun-2034	17
Jul-2034	17
Aug-2034	17
Sep-2034	17
Oct-2034	17
Nov-2034	17
Dec-2034	17
Jan-2035	16

District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

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

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-23772		² Pool Code 82329	³ Pool Name Otero Chacra	
⁴ Property Code 001212	⁵ Property Name Warren LS			⁶ Well Number 1A
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company			⁹ Elevation 5943' GR

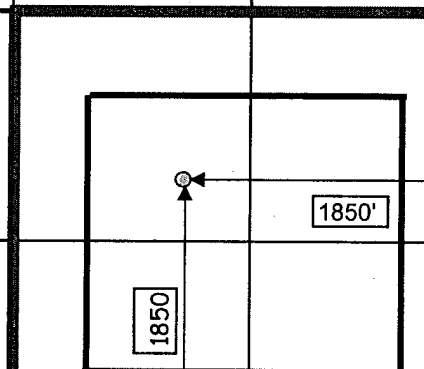
¹⁰ Surface Location

UL or lot no. Unit J	Section 13	Township 28N	Range 09W	Lot Idn	Feet from 1850'	North/South South	Feet from 1850'	East/West East	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

NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION				17 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 Mary Corley Printed Name Sr. Regulatory Analyst Title 04/29/2003 Date	
				18 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> 8/13/1979 Date of Survey Signature and Seal of Professional Surveyor: Fred B Kerr 3950 Certificate Number	