

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 ☐ Oil Well ☒ Gas Well ☐ Other		7. If Unit or CA/Agreement, Name and/or No.	
2. Name of Operator BP AMERICA PRODUCTION CO		8. Well Name and No. BOLACK B LS 1	
3a. Address P. O. BOX 3092 HOUSTON, TX 77253		9. API Well No. 30-045-07019-00-S1	
3b. Phone No. (include area code) Ph: 281.366.4491 Fx: 281.366.0700		10. Field and Pool, or Exploratory BLANCO MESAVERDE OTERO CHACRA	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T28N R8W SWNE 1550FNL 1650FEL 36.62071 N Lat, 107.68234 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			
☒ 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 recompletable 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 recompletable 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 recompletable 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

Adhere to previously issued stipulations.

DHC 1203AZ

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #21230 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 05/07/2003 (03MXH0781SE)	
Name (Printed/Typed) MARY CORLEY	Title AUTHORIZED REPRESENTATIVE
Signature (Electronic Submission)	Date 04/30/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>/s/ Jim Lovato</i>	Title	MAY - 9 2003 Date
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 #21230 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.

Bolack B LS #1 Recompletion and Downhole Commingle Procedure

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 4528'.
6. TIH with bit and scraper for 4-1/2" casing to 4697'. Work casing scraper across Mesaverde perforations (3780' – 4697').
7. RU WL unit. RIH with 4-1/2" CIBP. Set CIBP at 3700'.
8. RIH with GR log. Run gamma ray across Chacra interval from 2700' – 3700' to select perforations.
9. RIH with 3-1/8" casing guns. Perforate Chacra formation (correlate to GR log).

Chacra perforations, 2 spf :
To be determined after logging
10. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
11. Flowback frac immediately.
12. TIH with tubing and bit. Cleanout fill and drill bridge plug set at 3700'. Cleanout fill to PBTD. Blow well dry at PBTD.
13. RIH with 2-3/8" production tubing.
14. Land 2-3/8" production tubing at 4550'.
15. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle Chacra and Mesaverde production.

Bolack B LS #1

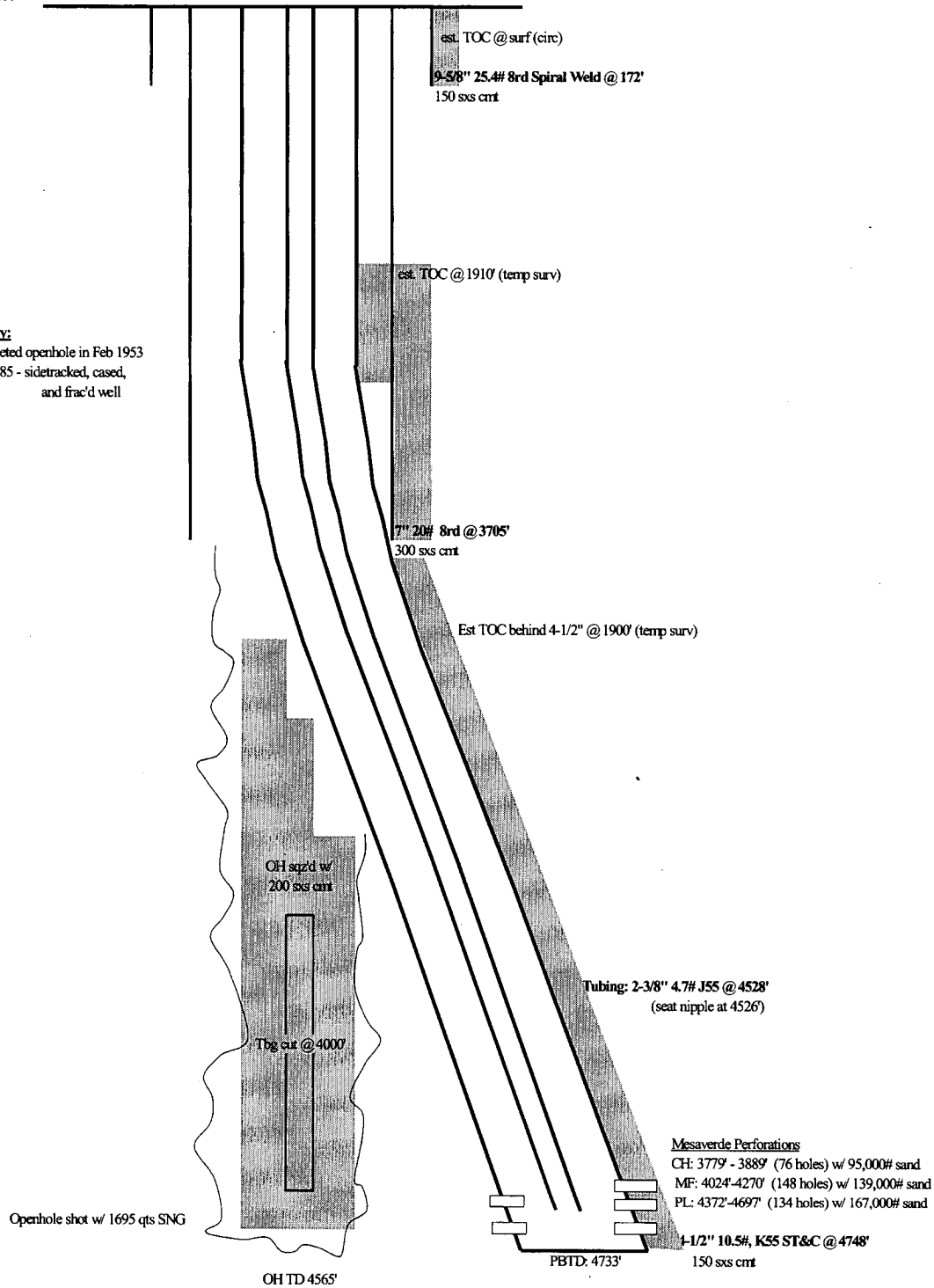
Sec 33, T28N, R8W

API#: 30-045-07019

GL: 5800'

History:

Completed openhole in Feb 1953
Oct 1985 - sidetracked, cased,
and frac'd well



1625 N. French Dr., Hobbs, NM 88240

811 South First, Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

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

¹ API Number 30-045-07019	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 000326	⁵ Property Name Bolack B LS	⁶ Well Number 1
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company	⁹ Elevation 5800' GR

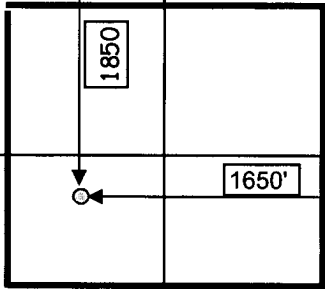
¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from	North/South	Feet from	East/West	County
Unit G	33	28N	08W		1550'	North	1650'	East	San Juan

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>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>
			00/00/1953
			Date of Survey
			Signature and Seal of Professional Surveyor: On File
			Certificate Number

Bolack B LS 1

Future Production Decline Estimate Mesaverde

(Monthly Factor .0333)

$\ln(Qf/Qi) = -dt$
 $Qi = 126 \text{ MCFD (05/2002)}$
 $Qf = 121 \text{ MCFD (10/2002)}$
 $t = 5 \text{ months (.41666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes
 $121/126 = .96032$
 $.96032 * .41666 = .4001259$
 0.033343825

Month	Gas Volume
Jan-2002	135
Feb-2002	142
Mar-2002	136
Apr-2002	131
May-2002	126
Jun-2002	109
Jul-2002	119
Aug-2002	179
Sep-2002	305
Oct-2002	121
Nov-2002	111
Dec-2002	114
Jan-2003	114
Feb-2003	114
Mar-2003	114
Apr-2003	114
May-2003	113
Jun-2003	113
Jul-2003	113
Aug-2003	113
Sep-2003	113
Oct-2003	113
Nov-2003	113
Dec-2003	113
Jan-2004	113
Feb-2004	112
Mar-2004	112
Apr-2004	112
May-2004	112
Jun-2004	112
Jul-2004	112
Aug-2004	112
Sep-2004	112
Oct-2004	112
Nov-2004	111
Dec-2004	111

Month	Gas Volume
Jan-2005	111
Feb-2005	111
Mar-2005	111
Apr-2005	111
May-2005	111
Jun-2005	111
Jul-2005	111
Aug-2005	110
Sep-2005	110
Oct-2005	110
Nov-2005	110
Dec-2005	110
Jan-2006	110
Feb-2006	110
Mar-2006	110
Apr-2006	110
May-2006	109
Jun-2006	109
Jul-2006	109
Aug-2006	109
Sep-2006	109
Oct-2006	109
Nov-2006	109
Dec-2006	109
Jan-2007	109
Feb-2007	108
Mar-2007	108
May-2007	108
Jun-2007	108
Jul-2007	108
Aug-2007	108
Sep-2007	108
Oct-2007	108
Nov-2007	108
Dec-2007	107
Jan-2008	107

Month	Gas Volume
Feb-2008	107
Mar-2008	107
Apr-2008	106
May-2008	106
Jun-2008	106
Jul-2008	105
Aug-2008	105
Sep-2008	104
Oct-2008	104
Nov-2008	104
Dec-2008	103
Jan-2009	103
Feb-2009	103
Mar-2009	102
Apr-2009	102
May-2009	102
Jun-2009	101
Jul-2009	101
Aug-2009	101
Sep-2009	100
Oct-2009	100
Nov-2009	99
Dec-2009	99
Jan-2010	99
Feb-2010	98
Mar-2010	98
Apr-2010	98
May-2010	97
Jun-2010	97
Jul-2010	97
Aug-2010	96
Sep-2010	96
Oct-2010	96
Nov-2010	95
Dec-2010	95
Jan-2011	95

Future Production Decline Estimate Mesaverde
(Monthly Factor .0333)

Month	Gas Volume
Feb-2011	94
Mar-2011	94
Apr-2011	94
May-2011	93
Jun-2011	93
Jul-2011	93
Aug-2011	93
Sep-2011	92
Oct-2011	92
Nov-2011	92
Dec-2011	91
Jan-2012	91
Feb-2012	91
Mar-2012	90
Apr-2012	90
May-2012	90
Jun-2012	89
Jul-2012	89
Aug-2012	89
Sep-2012	88
Oct-2012	88
Nov-2012	88
Dec-2012	88
Jan-2013	87
Feb-2013	87
Mar-2013	87
Apr-2013	86
May-2013	86
Jun-2013	86
Jul-2013	85
Aug-2013	85
Sep-2013	85
Oct-2013	85
Nov-2013	84
Dec-2013	84
Jan-2014	84

Month	Gas Volume
Feb-2014	83
Mar-2014	83
Apr-2014	83
May-2014	83
Jun-2014	82
Jul-2014	82
Aug-2014	82
Sep-2014	82
Oct-2014	81
Nov-2014	81
Dec-2014	81
Jan-2015	81
Feb-2015	80
Mar-2015	80
Apr-2015	80
May-2015	80
Jun-2015	80
Jul-2015	79
Aug-2015	79
Sep-2015	79
Oct-2015	79
Nov-2015	78
Dec-2015	78
Jan-2016	78
Feb-2016	78
Mar-2016	77
Apr-2016	77
May-2016	77
Jun-2016	77
Jul-2016	76
Aug-2016	76
Sep-2016	76
Oct-2016	76
Nov-2016	76
Dec-2016	75
Jan-2017	75

Month	Gas Volume
Feb-2017	75
Mar-2017	75
Apr-2017	74
May-2017	74
Jun-2017	74
Jul-2017	74
Aug-2017	74
Sep-2017	73
Oct-2017	73
Nov-2017	73
Dec-2017	73
Jan-2018	72
Feb-2018	72
Mar-2018	72
Apr-2018	72
May-2018	72
Jun-2018	71
Jul-2018	71
Aug-2018	71
Sep-2018	71
Oct-2018	71
Nov-2018	70
Dec-2018	70
Jan-2019	70
Feb-2019	70
Mar-2019	69
Apr-2019	69
May-2019	69
Jun-2019	69
Jul-2019	69
Aug-2019	68
Sep-2019	68
Oct-2019	68
Nov-2019	68
Dec-2019	68
Jan-2020	67

Month	Gas Volume
Feb-2020	67
Mar-2020	67
Apr-2020	66
May-2020	66
Jun-2020	66
Jul-2020	65
Aug-2020	65
Sep-2020	65
Oct-2020	64
Nov-2020	64
Dec-2020	64
Jan-2021	63
Feb-2021	63
Mar-2021	63
Apr-2021	63
May-2021	62
Jun-2021	62
Jul-2021	62
Aug-2021	61
Sep-2021	61
Oct-2021	61
Nov-2021	60
Dec-2021	60
Jan-2022	60
Feb-2022	59
Mar-2022	59
Apr-2022	59
May-2022	59
Jun-2022	58
Jul-2022	58
Aug-2022	58
Sep-2022	57
Oct-2022	57
Nov-2022	57
Dec-2022	57
Jan-2023	56

**Future Production Decline Estimate Mesaverde
(Monthly Factor .0333)**

Month	Gas Volume
Feb-2023	56
Mar-2023	56
Apr-2023	55
May-2023	55
Jun-2023	55
Jul-2023	55
Aug-2023	54
Sep-2023	54
Oct-2023	54
Nov-2023	54
Dec-2023	53
Jan-2024	53
Feb-2024	53
Mar-2024	52
Apr-2024	52
May-2024	52
Jun-2024	52
Jul-2024	51
Aug-2024	51
Sep-2024	51
Oct-2024	51
Nov-2024	50
Dec-2024	50
Jan-2025	50
Feb-2025	50
Mar-2025	49
Apr-2025	49
May-2025	49
Jun-2025	49
Jul-2025	48
Aug-2025	48
Sep-2025	48
Oct-2025	48
Nov-2025	47
Dec-2025	47
Jan-2026	47

Month	Gas Volume
Feb-2026	47
Mar-2026	47
Apr-2026	46
May-2026	46
Jun-2026	46
Jul-2026	46
Aug-2026	45
Sep-2026	45
Oct-2026	45
Nov-2026	45
Dec-2026	44
Jan-2027	44
Feb-2027	44
Mar-2027	44
Apr-2027	44
May-2027	43
Jun-2027	43
Jul-2027	43
Aug-2027	43
Sep-2027	43
Oct-2027	42
Nov-2027	42
Dec-2027	42
Jan-2028	42
Feb-2028	41
Mar-2028	41
Apr-2028	41
May-2028	41
Jun-2028	41
Jul-2028	40
Aug-2028	40
Sep-2028	40
Oct-2028	40
Nov-2028	40
Dec-2028	39
Jan-2029	39

Month	Gas Volume
Feb-2029	39
Mar-2029	39
Apr-2029	39
May-2029	38
Jun-2029	38
Jul-2029	38
Aug-2029	38
Sep-2029	38
Oct-2029	38
Nov-2029	37
Dec-2029	37
Jan-2030	37
Feb-2030	37
Mar-2030	37
Apr-2030	36
May-2030	36
Jun-2030	36
Jul-2030	36
Aug-2030	36
Sep-2030	35
Oct-2030	35
Nov-2030	35
Dec-2030	35
Jan-2031	35
Feb-2031	35
Mar-2031	34
Apr-2031	34
May-2031	34
Jun-2031	34
Jul-2031	34
Aug-2031	34
Sep-2031	33
Oct-2031	33
Nov-2031	33
Dec-2031	33
Jan-2032	33

Month	Gas Volume
Feb-2032	33
Mar-2032	32
Apr-2032	32
May-2032	32
Jun-2032	32
Jul-2032	32
Aug-2032	31
Sep-2032	31
Oct-2032	31
Nov-2032	31
Dec-2032	31
Jan-2033	31
Feb-2033	31
Mar-2033	30
Apr-2033	30
May-2033	30
Jun-2033	30
Jul-2033	30
Aug-2033	30
Sep-2033	30
Oct-2033	29
Nov-2033	29
Dec-2033	29
Jan-2034	29
Feb-2034	29
Mar-2034	28
Apr-2034	28
May-2034	28
Jun-2034	28
Jul-2034	28
Aug-2034	28
Sep-2034	28
Oct-2034	28
Nov-2034	28
Dec-2034	27
Jan-2035	27