

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

Form C-103
Revised March 25, 1999

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

WELL API NO. 30-045-23257
5. Indicate Type of Lease STATE FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Bolack (Also filed on BLM Form 3160-5 Federal Lease NM - 03549)
8. Well No. 2
9. Pool name or Wildcat Basin Dakota & Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEEN 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
Amoco Production Company Attn: **Mary Corley**

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

4. Well Location
Unit Letter **6** **2430** feet from the **North** line and **1650** feet from the **East** line
Section **19** Township **28N** Range **08W** NMPM **San Juan** County
10. Elevation (Show whether DR, RKB, RT, GR, etc.)
5703'

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: **Complete Mesaverde & Downhole Commingle** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐

OTHER: ☐

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 recompletion.

Amoco Production Company request permission to complete the subject well into the Blanco Mesaverde and commingle production downhole with the existing Basin Dakota Pool as per the attached procedure.

The Basin Dakota (71599) & the Blanco Mesaverde (72319) Pools are Pre-Approved for Downhole Commingling per NMOCD Order R - 11363. The working, overriding, and royalty interest owners in the proposed commingled pools are not identical, and, therefore are being notification of this application via certified mail (return receipt).

Production is proposed to be allocated based on the subtraction method using the projected future decline for production from the Dakota. 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 Mesaverde. Attached is the future production decline estimates for the Dakota.

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 07/11/2001

Type or print name Mary Corley Telephone No. 281-366-4491

(This space for State use)

APPROVED BY Original Signed by STEVEN N. HAYDEN TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE JUL 17 2001
Conditions of approval, if any:

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 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

¹ API Number 30-045-23257		² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000323	⁵ Property Name Bolack		⁶ Well Number 2
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company		⁹ Elevation 5703'

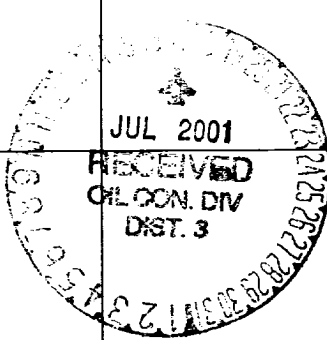
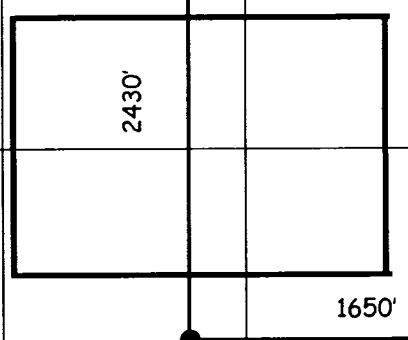
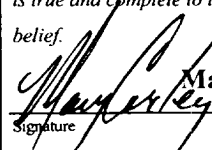
¹⁰ Surface Location

UL or lot no. Unit 6	Section 19	Township 28N	Range 08W	Lot Idn	Feet from the 2430'	North/South line North	Feet from the 1650'	East/West line East	County San Juan
--------------------------------	----------------------	------------------------	---------------------	---------	-------------------------------	----------------------------------	-------------------------------	-------------------------------	---------------------------

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 312.52	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

¹⁶  	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Mary Corley Printed Name Mary Corley Title Sr. Regulatory Analyst Date 06/27/2001	
	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. 09/23/1978 Date of Survey Signature and Seal of Professional Surveyor: Fred B Kerr Jr 3950 Certificate Number	

Bolack #2 Recompletion 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 6561'.
6. TIH with bit and scraper for 4-1/2" casing to 4850'.
7. TIH with tubing-set CIBP. Set CIBP at 4850'. Load hole with 2% KCL.
8. RU WL. Run CBL over MV interval (3700' - 4850') to ensure zonal isolation across the MV.
9. Pressure test casing to 1500 psi
10. RIH with 3-1/8" casing guns. Perforate Point Lookout/Menefee formation.
4354', 4365', 4376', 4384', 4393', 4405', 4423', 4429', 4438', 4449', 4461', 4468',
4493', 4500', 4526', 4534', 4569', 4597', 4654', 4735'
11. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
12. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
13. Immediately after frac job, RU WL unit and lubricator.
14. RIH and set CIBP between Lower and Upper Menefee at 4260'.
15. RIH with 3-1/8" casing guns. Perforate Menefee/Cliffhouse formation.
3802', 3816', 3838', 3844', 3879', 3892', 3899', 3962', 3977', 4065', 4081', 4114', 4136',
4142', 4167', 4182', 4202', 4226', 4232', 4247'
16. RU frac equipment and install wellhead isolation tool. Use 2% KCL/N2 foam in fracture stimulation.
17. Spearhead 500 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
18. Flowback frac immediately.
19. TIH with tubing and bit. Cleanout fill and drill bridge plugs set at 4260' and 4850'.
Cleanout fill to PBTD at 6700'. Blow well dry at PBTD.
20. Land 2-3/8" production tubing at 6500'.
21. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle MV and DK production.

Bolack #2

Sec 19, T28N R8W

API: 30-045-23257

GL: 5838'

History:

6-1/4" OH drilled with mud
Completed in 5/78

est. TOC @ surface (circ)

9-5/8" 36# K55 @ 281'
250 sxs cmt (circulated)

est. TOC unknown

DV tool @ 4319'
2nd stage: 850 sxs cmt

est. TOC unknown

Tubing: 2-3/8" 4.7#, J55 @ 6561'

Dakota Completion

6526' - 6560' 1 spf
6593' - 6595' 1 spf
6608' - 6610' 1 spf
6628' - 6630' 1 spf
6657' - 6662' 1 spf

4-1/2" 10.5#, K55 ST&C 6714'

1st stage: 550 sxs cmt

PBTD: 6700'

Notes:

1) No cementing detail in the wellfile.

updated: 4/13/00 jad

Bolack # 2 **Future Production Decline Estimate Dakota** **(Monthly Factor .385%)**

$\ln(Qf/Qi) = -dt$
 $Qi = 41 \text{ MCFD } (08/2000)$
 $Qf = 31 \text{ MCFD } (01/2001)$
 $t = 4 \text{ months } (.33333 \text{ yrs})$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline } (0.32/12)$

Corrected Volumes
 $31/41 = 0.75610$
 $.83 * .76 = .25203$
 0.038539

Month	Gas Volume
Jan-2000	0
Feb-2000	0
Mar-2000	0
Apr-2000	0
May-2000	0
Jun-2000	0
Jul-2000	0
Aug-2000	0
Sep-2000	142
Oct-2000	85
Nov-2000	53
Dec-2000	48
Jan-2001	41
Feb-2001	38
Mar-2001	35
Apr-2001	31
May-2001	31
Jun-2001	31
Jul-2001	30
Aug-2001	30
Sep-2001	30
Oct-2001	29
Nov-2001	29
Dec-2001	28
Jan-2002	28
Feb-2002	28
Mar-2002	27
Apr-2002	27
May-2002	27
Jun-2002	26
Jul-2002	26
Aug-2002	26
Sep-2002	25
Oct-2002	25
Nov-2002	25
Dec-2002	25

Month	Gas Volume
Jan-2003	24
Feb-2003	24
Mar-2003	24
Apr-2003	24
May-2003	24
Jun-2003	24
Jul-2003	24
Aug-2003	24
Sep-2003	24
Oct-2003	24
Nov-2003	24
Dec-2003	24
Jan-2004	24
Feb-2004	24
Mar-2004	24
Apr-2004	24
May-2004	23
Jun-2004	23
Jul-2004	23
Aug-2004	23
Sep-2004	23
Oct-2004	23
Nov-2004	23
Dec-2004	23
Jan-2005	23
Feb-2005	23
Mar-2005	23
Apr-2005	23
May-2005	23
Jun-2005	23
Jul-2005	23
Aug-2005	23
Sep-2005	23
Oct-2005	22
Nov-2005	22
Dec-2005	22

Month	Gas Volume
Jan-2006	22
Feb-2006	22
Mar-2006	22
Apr-2006	22
May-2006	22
Jun-2006	22
Jul-2006	22
Aug-2006	22
Sep-2006	22
Oct-2006	22
Nov-2006	21
Dec-2006	21
Jan-2007	21
Feb-2007	21
Mar-2007	21
Apr-2007	21
May-2007	21
Jun-2007	21
Jul-2007	21
Aug-2007	21
Sep-2007	21
Oct-2007	21
Nov-2007	21
Dec-2007	21
Jan-2008	20
Feb-2008	20
Mar-2008	20
Apr-2008	20
May-2008	20
Jun-2008	20
Jul-2008	20
Aug-2008	20
Sep-2008	20
Oct-2008	20
Nov-2008	20
Dec-2008	20

Bolack # 2
Future Production Decline Estimate Dakota
(Monthly Factor .385%)

Month	Gas Volume
Jan-2009	20
Feb-2009	20
Mar-2009	19
Apr-2009	19
May-2009	19
Jun-2009	19
Jul-2009	19
Aug-2009	19
Sep-2009	19
Oct-2009	19
Nov-2009	19
Dec-2009	19
Jan-2010	19
Feb-2010	19
Mar-2010	19
Apr-2010	19
May-2010	19
Jun-2010	19
Jul-2010	18
Aug-2010	18
Sep-2010	18
Oct-2010	18
Nov-2010	18
Dec-2010	18
Jan-2011	18
Feb-2011	18
Mar-2011	18
Apr-2011	18
May-2011	18
Jun-2011	18
Jul-2011	18
Aug-2011	18
Sep-2011	18
Oct-2011	18
Nov-2011	17
Dec-2011	17

Month	Gas Volume
Jan-2012	17
Feb-2012	17
Mar-2012	17
Apr-2012	17
May-2012	17
Jun-2012	17
Jul-2012	17
Aug-2012	17
Sep-2012	17
Oct-2012	17
Nov-2012	17
Dec-2012	17
Jan-2013	17
Feb-2013	17
Mar-2013	17
Apr-2013	17
May-2013	17
Jun-2013	16
Jul-2013	16
Aug-2013	16
Sep-2013	16
Oct-2013	16
Nov-2013	16
Dec-2013	16
Jan-2014	16
Feb-2014	16
Mar-2014	16
Apr-2014	16
May-2014	16
Jun-2014	16
Jul-2014	16
Aug-2014	16
Sep-2014	16
Oct-2014	16
Nov-2014	16
Dec-2014	16

Month	Gas Volume
Jan-2015	16
Feb-2015	16
Mar-2015	15
Apr-2015	15
May-2015	15
Jun-2015	15
Jul-2015	15
Aug-2015	15
Sep-2015	15
Oct-2015	15
Nov-2015	15
Dec-2015	15
Jan-2016	15
Feb-2016	15
Mar-2016	15
Apr-2016	15
May-2016	15
Jun-2016	15
Jul-2016	15
Aug-2016	15
Sep-2016	15
Oct-2016	15
Nov-2016	15
Dec-2016	15
Jan-2017	14
Feb-2017	14
Mar-2017	14
Apr-2017	14
May-2017	14
Jun-2017	14
Jul-2017	14
Aug-2017	14
Sep-2017	14
Oct-2017	14
Nov-2017	14
Dec-2017	14

Month	Gas Volume
Jan-2018	14
Feb-2018	14
Mar-2018	14
Apr-2018	14
May-2018	14
Jun-2018	14
Jul-2018	14
Aug-2018	13
Sep-2018	13
Oct-2018	13
Nov-2018	13
Dec-2018	13
Jan-2019	13
Feb-2019	13
Mar-2019	13
Apr-2019	13
May-2019	13
Jun-2019	13
Jul-2019	13
Aug-2019	13
Sep-2019	13
Oct-2019	13
Nov-2019	12
Dec-2019	12
Jan-2020	12
Feb-2020	12
Mar-2020	12
Apr-2020	12
May-2020	12
Jun-2020	12
Jul-2020	12
Aug-2020	12
Sep-2020	12
Oct-2020	12
Nov-2020	12
Dec-2020	12

Bolack # 2
Future Production Decline Estimate Dakota
(Monthly Factor .385%)

Month	Gas Volume
Jan-2021	12
Feb-2021	12
Mar-2021	12
Apr-2021	11
May-2021	11
Jun-2021	11
Jul-2021	11
Aug-2021	11
Sep-2021	11
Oct-2021	11
Nov-2021	11
Dec-2021	11
Jan-2022	11
Feb-2022	11
Mar-2022	11
Apr-2022	11
May-2022	11
Jun-2022	11
Jul-2022	11
Aug-2022	11
Sep-2022	11
Oct-2022	10
Nov-2022	10
Dec-2022	10
Jan-2023	10
Feb-2023	10
Mar-2023	10
Apr-2023	10
May-2023	10
Jun-2023	10
Jul-2023	10
Aug-2023	10
Sep-2023	10
Oct-2023	10
Nov-2023	10
Dec-2023	10

Month	Gas Volume
Jan-2024	10
Feb-2024	10
Mar-2024	10
Apr-2024	10
May-2024	10
Jun-2024	9
Jul-2024	9
Aug-2024	9
Sep-2024	9
Oct-2024	9
Nov-2024	9
Dec-2024	9
Jan-2025	9
Feb-2025	9
Mar-2025	9
Apr-2025	9
May-2025	9
Jun-2025	9
Jul-2025	9
Aug-2025	9
Sep-2025	9
Oct-2025	9
Nov-2025	9
Dec-2025	9
Jan-2026	9
Feb-2026	9
Mar-2026	9
Apr-2026	8
May-2026	8
Jun-2026	8
Jul-2026	8
Aug-2026	8
Sep-2026	8
Oct-2026	8
Nov-2026	8
Dec-2026	8

Month	Gas Volume
Jan-2027	8
Feb-2027	8
Mar-2027	8
Apr-2027	8
May-2027	8
Jun-2027	8
Jul-2027	8
Aug-2027	8
Sep-2027	8
Oct-2027	8
Nov-2027	8
Dec-2027	8
Jan-2028	8
Feb-2028	8
Mar-2028	8
Apr-2028	8
May-2028	7
Jun-2028	7
Jul-2028	7
Aug-2028	7
Sep-2028	7
Oct-2028	7
Nov-2028	7
Dec-2028	7
Jan-2029	7
Feb-2029	7
Mar-2029	7
Apr-2029	7
May-2029	7
Jun-2029	7
Jul-2029	7
Aug-2029	7
Sep-2029	7
Oct-2029	7
Nov-2029	7
Dec-2029	7

Month	Gas Volume
Jan-2030	7
Feb-2030	7
Mar-2030	7
Apr-2030	7
May-2030	7
Jun-2030	7
Jul-2030	7
Aug-2030	7
Sep-2030	6
Oct-2030	6
Nov-2030	6
Dec-2030	6
Jan-2031	6
Feb-2031	6
Mar-2031	6
Apr-2031	6
May-2031	6
Jun-2031	6
Jul-2031	6
Aug-2031	6
Sep-2031	6
Oct-2031	6
Nov-2031	6
Dec-2031	6
Jan-2032	6
Feb-2032	6
Mar-2032	6
Apr-2032	6
May-2032	6
Jun-2032	6
Jul-2032	6
Aug-2032	6
Sep-2032	6
Oct-2032	6
Nov-2032	6
Dec-2032	6