Form 3160-5
(August 1999)

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.

JUL 2001 RECEIVED OIL CON. DIV. DIST. 3

5. Lease Serial No.
NMSF-077112

6. If Indian, Allottee or Tribe Name

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

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
LACKEY 1

2. Name of Operator
AMOCO PRODUCTION COMPANY

Contact: MARY CORLEY
E-Mail: corleyml@bp.com

9. API Well No.
30-045-23272

3a. Address
P.O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.0700

10. Field and Pool, or Exploratory
BASIN DAKOTA/BLANCO MESAVERDE

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

Sec 23 T28N R9W Mer SWNE 1475FNL 1450FEL

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	☒ SUBCOM
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ 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 recomplete 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 recompletion 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.)

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 interest in the proposed commingled pools are identical, however, the royalty interest owners are not and are being notified of this application by 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 Blanco Mesaverde. Attached is the future production decline estimates for

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

Electronic Submission #5188 verified by the BLM Well Information System
For AMOCO PRODUCTION COMPANY, sent to the Farmington
Committed to AFMSS for processing by Maurice Johnson on 06/29/2001 ()

Name *(Printed/Typed)* MARY CORLEY | Title AUTHORIZED REPRESENTATIVE

Signature | Date 06/21/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By /s/ Jim Lovato | Title | Date JUL 24

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.

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Additional data for EC transaction #5188 that would not fit on the form

32. Additional remarks, continued

the Dakota.

Commingling Production Downhole in the subject well from the proposed pools with not reduce the value of the total remaining production.

Lackey #1 Recompletion Procedure

Procedure:

1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well.
4. Nipple down WH. NU BOPs.
5. Tag for fill and tally OH with 2-3/8" production tubing currently set at 7001'.
6. TIH with bit and scraper for 4-1/2" casing to 5300'.
7. TIH with tubing-set 4-1/2" CIBP. Set CIBP at 5300'. Load hole with 2% KCL.
8. RU WL. Run GR/CBL over MV interval (4000' - 5300') 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 formation.
    - *Perforations will be determined based on GR log results.*
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 Point Lookout and Menefee at depth to be determined after logging.
15. RIH with 3-1/8" casing guns. Perforate Menefee formation..
    - *Perforations will be determined based on GR log results.*
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. Cleanout fill to PBTD at 7070'. Blow well dry at PBTD.

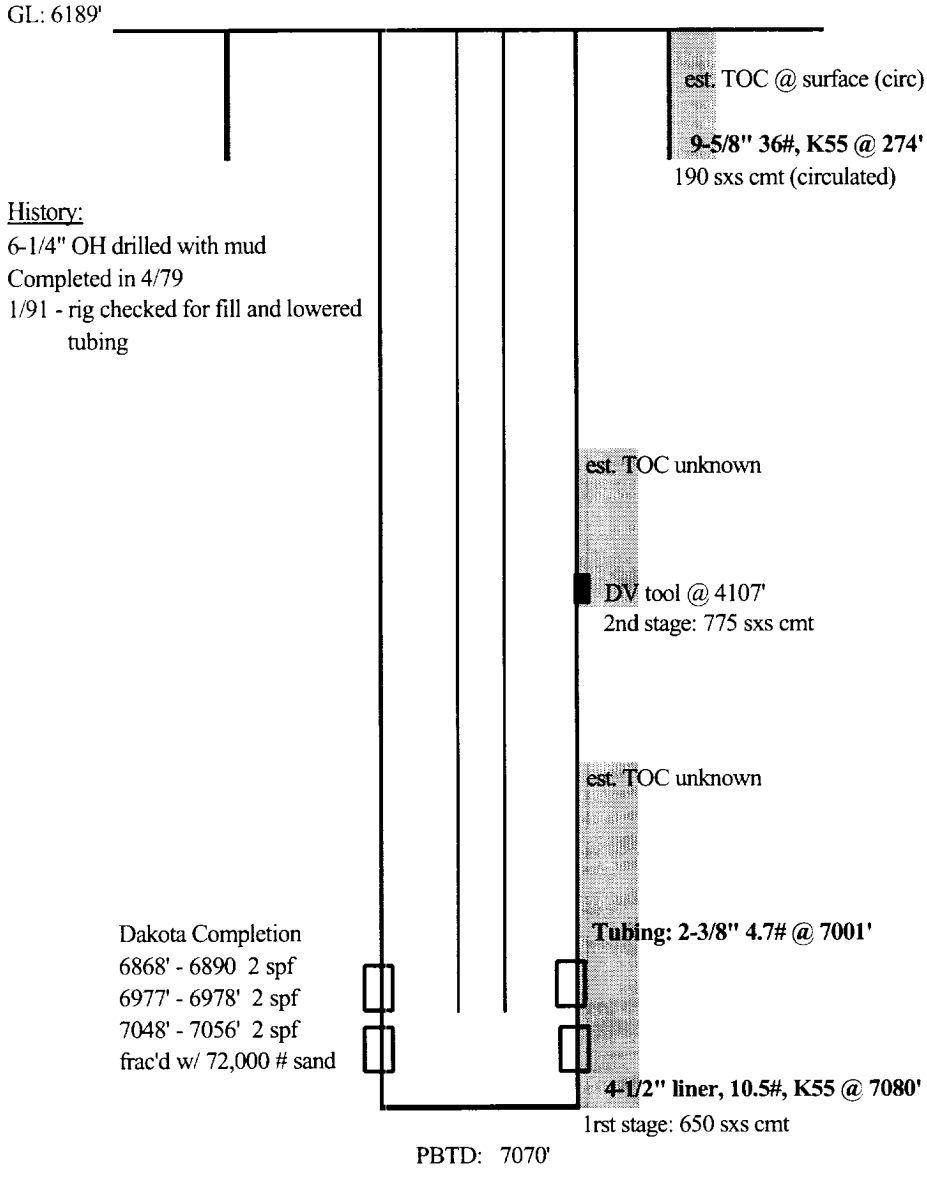
22. Land 2-3/8" production tubing at 6675'.

23. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle MV and DK production.

Lackey #1

Sec 23, T28N R9W

API: 30-045-23272



Notes:

1) Severe drilling mud losses occurred in the MV section (1000 bbls mud)
2) 600' OH cmt plug was spotted from 4493'-5015' to stop the losses

updated: 4/13/01 jad

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

1 API Number	2 Pool Code	3 Pool Name
30-045-23272	72319	Blanco Mesaverde

4 Property Code	5 Property Name	6 Well Number
000783	Lackey	1

7 OGRID No.	8 Operator Name	9 Elevation
000778	Amoco Production Company	6189'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Unit G	23	28N	09W		1475'	North	1450'	East	San Juan

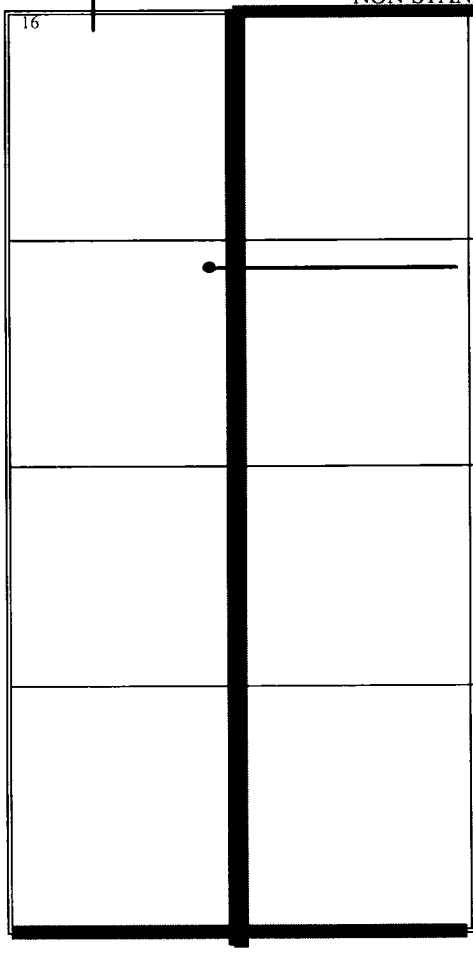
11 Bottom Hole Location If Different From Surface

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	13 Joint or Infill	14 Consolidation Code	15 Order No.
320			

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.

Mary Corley
Signature

Mary Corley
Printed Name

Sr. Regulatory Analyst
Title

06/14/2001
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.

10/31/1978
Date of Survey

Signature and Seal of Professional Surveyor:

Fred B Kerr Jr 3950
Certificate Number

Lackey #1

06/21/2001

Future Production Decline Estimate Dakota

(Monthly Factor .301%)

Month	Gas Volume
Jan-2000	**57**
Feb-2000	**58**
Mar-2000	**60**
Apr-2000	**60**
May-2000	**64**
Jun-2000	**76**
Jul-2000	**77**
Aug-2000	**67**
Sep-2000	**77**
Oct-2000	**66**
Nov-2000	**65**
Dec-2000	**63**
Jan-2001	**58**
Feb-2001	**84**
Mar-2001	**107**
Apr-2001	**99**
May-2001	**91**
Jun-2001	91
Jul-2001	91
Aug-2001	90
Sep-2001	90
Oct-2001	90
Nov-2001	90
Dec-2001	89
Jan-2002	89
Feb-2002	89
Mar-2002	89
Apr-2002	88
May-2002	88
Jun-2002	88
Jul-2002	88
Aug-2002	87
Sep-2002	87
Oct-2002	87
Nov-2002	87
Dec-2002	87

ln(Qf/Qi) = -dt
Qi = 67 MCFD (08/2000)
Qf = 58 MCFD 12/2001)
t = 5 months (.41666 yrs)
d = 0.32 annual decline
0.027 monthly decline (0.32/12)

Corrected Volumes
58/67 = 0.86567
.86 * .41666 = .36069
0.0300575

Month	Gas Volume
Jan-2003	86
Feb-2003	86
Mar-2003	86
Apr-2003	86
May-2003	85
Jun-2003	85
Jul-2003	85
Aug-2003	85
Sep-2003	85
Oct-2003	84
Nov-2003	84
Dec-2003	84
Jan-2004	84
Feb-2004	83
Mar-2004	83
Apr-2004	83
May-2004	83
Jun-2004	83
Jul-2004	82
Aug-2004	82
Sep-2004	82
Oct-2004	82
Nov-2004	81
Dec-2004	81
Jan-2005	81
Feb-2005	81
Mar-2005	81
Apr-2005	80
May-2005	80
Jun-2005	80
Jul-2005	80
Aug-2005	80
Sep-2005	79
Oct-2005	79
Nov-2005	79
Dec-2005	79

Month	Gas Volume
Jan-2006	78
Feb-2006	78
Mar-2006	78
Apr-2006	78
May-2006	77
Jun-2006	77
Jul-2006	77
Aug-2006	77
Sep-2006	76
Oct-2006	76
Nov-2006	76
Dec-2006	75
Jan-2007	75
Feb-2007	75
Mar-2007	75
Apr-2007	74
May-2007	74
Jun-2007	74
Jul-2007	74
Aug-2007	73
Sep-2007	73
Oct-2007	73
Nov-2007	73
Dec-2007	72
Jan-2008	72
Feb-2008	72
Mar-2008	72
Apr-2008	71
May-2008	71
Jun-2008	71
Jul-2008	71
Aug-2008	70
Sep-2008	70
Oct-2008	70
Nov-2008	70
Dec-2008	69

Lackey #1

06/21/2001

Future Production Decline Estimate Dakota

(Monthly Factor .301%)

Month	Gas Volume
Jan-2009	69
Feb-2009	69
Mar-2009	69
Apr-2009	69
May-2009	68
Jun-2009	68
Jul-2009	68
Aug-2009	68
Sep-2009	67
Oct-2009	67
Nov-2009	67
Dec-2009	67
Jan-2010	66
Feb-2010	66
Mar-2010	66
Apr-2010	66
May-2010	66
Jun-2010	65
Jul-2010	65
Aug-2010	65
Sep-2010	65
Oct-2010	64
Nov-2010	64
Dec-2010	64
Jan-2011	64
Feb-2011	64
Mar-2011	63
Apr-2011	63
May-2011	63
Jun-2011	63
Jul-2011	62
Aug-2011	62
Sep-2011	62
Oct-2011	62
Nov-2011	62
Dec-2011	61

Month	Gas Volume
Jan-2012	61
Feb-2012	61
Mar-2012	61
Apr-2012	61
May-2012	60
Jun-2012	60
Jul-2012	60
Aug-2012	60
Sep-2012	60
Oct-2012	60
Nov-2012	59
Dec-2012	59
Jan-2013	59
Feb-2013	59
Mar-2013	59
Apr-2013	58
May-2013	58
Jun-2013	58
Jul-2013	58
Aug-2013	58
Sep-2013	58
Oct-2013	57
Nov-2013	57
Dec-2013	57
Jan-2014	57
Feb-2014	57
Mar-2014	57
Apr-2014	56
May-2014	56
Jun-2014	56
Jul-2014	56
Aug-2014	56
Sep-2014	56
Oct-2014	55
Nov-2014	55
Dec-2014	55

Month	Gas Volume
Jan-2015	55
Feb-2015	55
Mar-2015	55
Apr-2015	54
May-2015	54
Jun-2015	54
Jul-2015	54
Aug-2015	54
Sep-2015	54
Oct-2015	53
Nov-2015	53
Dec-2015	53
Jan-2016	53
Feb-2016	53
Mar-2016	53
Apr-2016	52
May-2016	52
Jun-2016	52
Jul-2016	52
Aug-2016	52
Sep-2016	52
Oct-2016	52
Nov-2016	51
Dec-2016	51
Jan-2017	51
Feb-2017	51
Mar-2017	51
Apr-2017	51
May-2017	50
Jun-2017	50
Jul-2017	50
Aug-2017	50
Sep-2017	50
Oct-2017	50
Nov-2017	50
Dec-2017	49

Month	Gas Volume
Jan-2018	49
Feb-2018	49
Mar-2018	49
Apr-2018	48
May-2018	48
Jun-2018	48
Jul-2018	48
Aug-2018	47
Sep-2018	47
Oct-2018	47
Nov-2018	47
Dec-2018	47
Jan-2019	46
Feb-2019	46
Mar-2019	46
Apr-2019	46
May-2019	45
Jun-2019	45
Jul-2019	45
Aug-2019	45
Sep-2019	44
Oct-2019	44
Nov-2019	44
Dec-2019	44
Jan-2020	44
Feb-2020	43
Mar-2020	43
Apr-2020	43
May-2020	43
Jun-2020	43
Jul-2020	42
Aug-2020	42
Sep-2020	42
Oct-2020	42
Nov-2020	41
Dec-2020	41

Lackey #1

06/21/2001

Future Production Decline Estimate Dakota

(Monthly Factor .301%)

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

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

Month	Gas Volume
Jan-2027	29
Feb-2027	28
Mar-2027	28
Apr-2027	28
May-2027	28
Jun-2027	28
Jul-2027	28
Aug-2027	28
Sep-2027	27
Oct-2027	27
Nov-2027	27
Dec-2027	27
Jan-2028	27
Feb-2028	27
Mar-2028	27
Apr-2028	27
May-2028	26
Jun-2028	26
Jul-2028	26
Aug-2028	26
Sep-2028	26
Oct-2028	26
Nov-2028	26
Dec-2028	25
Jan-2029	25
Feb-2029	25
Mar-2029	25
Apr-2029	25
May-2029	25
Jun-2029	25
Jul-2029	25
Aug-2029	24
Sep-2029	24
Oct-2029	24
Nov-2029	24
Dec-2029	24

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