

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

5. Lease Serial No.
JICARILLA **A-110**
6. If Indian, Allottee or Tribe Name
JICARILLA APACHE
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
AMOCO PRODUCTION COMPANY
- Contact: CHERRY HLAVA
E-Mail: hlavacl@bp.com
- 3a. Address
P.O. BOX 3092
HOUSTON, TX 77253
- 3b. Phone No. (include area code)
Ph: 281.366.4081
Fx: 281.366.0700
8. Well Name and No.
JICARILLA A 2
9. API Well No.
30-039-08136
10. Field and Pool, or Exploratory
BASIN DAKOTA/BLANCO MESAVE
11. County or Parish, and State
RIO ARriba COUNTY, NM
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 18 T26N R05W Mer NWNE 790FNL 1850FEL

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 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.)

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-1. The working, overriding, and royalty interest owners in the proposed commingled pools are identical, therefore, no notification of this application need be submitted 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 Blanco 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.

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

**Electronic Submission #5715 verified by the BLM Well Information System
For AMOCO PRODUCTION COMPANY, sent to the Rio Puerco
Committed to AFMSS for processing by Angie Medina-Jones on 07/18/2001 ()**

Name (Printed/Typed) CHERRY HLAVA

Title AUTHORIZED REPRESENTATIVE

Signature

Date 07/17/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Lands and Mineral Resources	Date 8/15/01
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.	Title	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.

ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

Submit completion report for MV.

Jicarilla A 2
Unit B Sec 18 T26N-R5W
Rio Arriba County, NM
API 30-039-08136

Procedure:

1. MIRU SU. Record TP, CP and BH. ND tree, NU BOP.
2. POOH tallying tbg, visually inspecting.
3. Make bit x scraper run.
4. Set CIBP on tbg at +/- 5700'. Load hole with KCl water. Test casing to 2500 psi.
5. RU Schlumberger. Log GR/CCL 5700' - 4800'. Correlate to Schlumberger Induction/Electric Log dated 11/21/64.

NOTE: CBL from original completion indicates TOC at 4875'.

6. Perforate following intervals with 3-1/8" csg gun, 2 SPF, 90 degree phasing (32 holes total):

5234', 63', 67'
5300', 23', 28', 47', 56'
5400', 03', 22', 32', 41', 98'
5535', 50'

7. RU pumping equipment and wellhead isolation tool.

8. Frac well down 4-1/2" csg with nitrogen foam and sand according to attached 1st stage pumping schedule. Flush with foam to top perf. Do not overdisplace.

NOTE: Do not exceed 3850 psi surface pressure (80% of burst for 5-1/2" 15.5# J55).

9. Set CIBP at 5200'.
10. Perforate following intervals with 3-1/8" csg gun, 2 SPF, 90 degree phasing (30 holes total):

4920', 25', 30', 35', 40'
5003', 7', 12', 30'
5106', 12', 20', 46', 54', 60'

11. Frac well down 4-1/2" csg with nitrogen foam and sand according to attached 2nd stage pumping schedule. Flush with foam to top perf. Do not overdisplace.
12. Flow back immediately after frac equipment is off the well. Flow until well logs off or fluid recovery falls off to less than 2 bbls fluid per hour.
13. RIH with bit x DC's. RU air package. D/O CIBP's at 5200' and 5700'. Clean out to 7670' PBTD.
14. PU above perms. Flow well 30 minutes. RIH to PBTD, clean out again if necessary. Repeat step until sand feed in stabilizes
15. RIH rabbiting following production string:
 - a. 1 jt 2-3/8" tbg
 - b. F-nipple w/ blanking plug
 - c. 2-3/8" tbg to surface
16. Tag bottom. PU and land EOT at +/- 7600'.
17. If original tubing is re-run, load with KCl water and test to 500 psi. ND BOP, NU tree. Swab tubing dry.
18. RU slickline. Make 1.91" gauge ring run. Retrieve plug.
19. Set FB stop and bumper spring.
20. Flow well for 2-3 hours, swabbing if necessary.
21. RDMO SU.

Allen Kutch

281-366-7955 office
281-366-0700 fax
888-788-6522 pager
979-865-0140 home

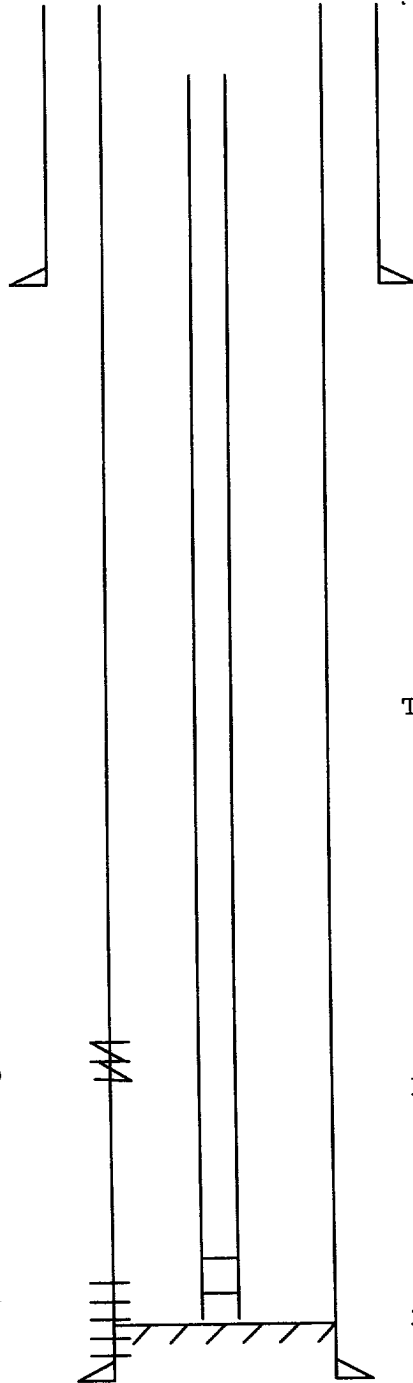
Jicarilla A 2

7-16-2001

Rio Arriba County, NM
Unit B Section 18 T26N - R5W
Run 54

ATK

KB: '



8-5/8" @ 444'

TOC @ 4875' (CBL)

GP Perfs:

6917' - 6919' (sqzd)

F-nipple 1 jt up from btm.

DK Perfs:

7396' - 7401'

7534' - 7538'

7576' - 7574'

7604'

7608'

7615'

7617' - 7619'

7625' - 7627'

2-1/16" tbg @ 7499'

5-1/2" 15.5# J55 @
7749'

PBTD: 7670'

TD: 7749'

Jicarilla A 2

Future Production Decline Estimate (Monthly Factor .365%)

Jan-2000	92
Feb-2000	120
Mar-2000	150
Apr-2000	141
May-2000	122
Jun-2000	91
Jul-2000	130
Aug-2000	100
Sep-2000	90
Oct-2000	90
Nov-2000	90
Dec-2000	90
Jan-2001	90
Feb-2001	90
Mar-2001	90
Apr-2001	90
May-2001	79
Jun-2001	90
Jul-2001	90
Aug-2001	89
Sep-2001	89
Oct-2001	89
Nov-2001	88
Dec-2001	88
Jan-2002	88
Feb-2002	87
Mar-2002	87
Apr-2002	87
May-2002	86
Jun-2002	86
Jul-2002	86
Aug-2002	86
Sep-2002	85
Oct-2002	85
Nov-2002	85
Dec-2002	84

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 120 \text{ MCFD (02/2000)}$
 $Q_f = 90 \text{ MCFD (09/2000)}$
 $t = 7 \text{ months (.58333 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes

$90/120 = 0.750$
 $0.750 * .58333 = .43750$
 0.0364575

Jan-2003	84
Feb-2003	84
Mar-2003	84
Apr-2003	84
May-2003	83
Jun-2003	83
Jul-2003	83
Aug-2003	82
Sep-2003	82
Oct-2003	82
Nov-2003	82
Dec-2003	81
Jan-2004	81
Feb-2004	81
Mar-2004	81
Apr-2004	80
May-2004	80
Jun-2004	80
Jul-2004	79
Aug-2004	79
Sep-2004	79
Oct-2004	79
Nov-2004	78
Dec-2004	78
Jan-2005	78
Feb-2005	78
Mar-2005	77
Apr-2005	77
May-2005	77
Jun-2005	76
Jul-2005	76
Aug-2005	76
Sep-2005	76
Oct-2005	75
Nov-2005	75
Dec-2005	75

Jan-2006	75
Feb-2006	74
Mar-2006	74
Apr-2006	74
May-2006	74
Jun-2006	73
Jul-2006	73
Aug-2006	73
Sep-2006	73
Oct-2006	72
Nov-2006	72
Dec-2006	72
Jan-2007	72
Feb-2007	71
Mar-2007	71
Apr-2007	71
May-2007	71
Jun-2007	70
Jul-2007	70
Aug-2007	70
Sep-2007	70
Oct-2007	69
Nov-2007	69
Dec-2007	69
Jan-2008	69
Feb-2008	68
Mar-2008	68
Apr-2008	68
May-2008	68
Jun-2008	67
Jul-2008	67
Aug-2008	67
Sep-2008	67
Oct-2008	67
Nov-2008	66
Dec-2008	66

Jicarilla A 2

Future Production Decline Estimate (Monthly Factor .365%)

66	Jan-2009	58	Jan-2015	52	Jan-2018	47
66	Feb-2009	58	Feb-2015	52	Feb-2018	47
65	Mar-2009	58	Mar-2015	52	Mar-2018	46
65	Apr-2009	58	Apr-2015	52	Apr-2018	46
65	May-2009	58	May-2015	52	May-2018	46
65	Jun-2009	57	Jun-2015	51	Jun-2018	46
65	Jul-2009	57	Jul-2015	51	Jul-2018	45
64	Aug-2009	57	Aug-2015	51	Aug-2018	45
64	Sep-2009	57	Sep-2015	51	Sep-2018	45
64	Oct-2009	57	Oct-2015	51	Oct-2018	45
64	Nov-2009	56	Nov-2015	51	Nov-2018	44
63	Dec-2009	56	Dec-2015	51	Dec-2018	44
63	Jan-2010	56	Jan-2016	50	Jan-2019	44
63	Feb-2010	56	Feb-2016	50	Feb-2019	44
63	Mar-2010	56	Mar-2016	50	Mar-2019	44
63	Apr-2010	56	Apr-2016	50	Apr-2019	43
62	May-2010	55	May-2016	50	May-2019	43
62	Jun-2010	55	Jun-2016	50	Jun-2019	43
62	Jul-2010	55	Jul-2016	49	Jul-2019	43
62	Aug-2010	55	Aug-2016	49	Aug-2019	43
61	Sep-2010	55	Sep-2016	49	Sep-2019	42
61	Oct-2010	55	Oct-2016	49	Oct-2019	42
61	Nov-2010	54	Nov-2016	49	Nov-2019	42
61	Dec-2010	54	Dec-2016	49	Dec-2019	42
61	Jan-2011	54	Jan-2017	49	Jan-2020	41
60	Feb-2011	54	Feb-2017	48	Feb-2020	41
60	Mar-2011	54	Mar-2017	48	Mar-2020	41
60	Apr-2011	54	Apr-2017	48	Apr-2020	41
60	May-2011	54	May-2017	48	May-2020	41
60	Jun-2011	53	Jun-2017	48	Jun-2020	40
59	Jul-2011	53	Jul-2017	48	Jul-2020	40
59	Aug-2011	53	Aug-2017	48	Aug-2020	40
59	Sep-2011	53	Sep-2017	47	Sep-2020	40
59	Oct-2011	53	Oct-2017	47	Oct-2020	40
59	Nov-2011	53	Nov-2017	47	Nov-2020	39
58	Dec-2011	52	Dec-2017	47	Dec-2020	39

Jicarilla A 2

Future Production Decline Estimate (Monthly Factor .365%)

Jan-2021	39
Feb-2021	39
Mar-2021	39
Apr-2021	38
May-2021	38
Jun-2021	38
Jul-2021	38
Aug-2021	38
Sep-2021	38
Oct-2021	37
Nov-2021	37
Dec-2021	37
Jan-2022	37
Feb-2022	37
Mar-2022	36
Apr-2022	36
May-2022	36
Jun-2022	36
Jul-2022	36
Aug-2022	36
Sep-2022	35
Oct-2022	35
Nov-2022	35
Dec-2022	35
Jan-2023	35
Feb-2023	34
Mar-2023	34
Apr-2023	34
May-2023	34
Jun-2023	34
Jul-2023	34
Aug-2023	33
Sep-2023	33
Oct-2023	33
Nov-2023	33
Dec-2023	33

Jan-2024	33
Feb-2024	32
Mar-2024	32
Apr-2024	32
May-2024	32
Jun-2024	32
Jul-2024	32
Aug-2024	31
Sep-2024	31
Oct-2024	31
Nov-2024	31
Dec-2024	31
Jan-2025	31
Feb-2025	31
Mar-2025	30
Apr-2025	30
May-2025	30
Jun-2025	30
Jul-2025	30
Aug-2025	30
Sep-2025	29
Oct-2025	29
Nov-2025	29
Dec-2025	29
Jan-2026	29
Feb-2026	29
Mar-2026	29
Apr-2026	28
May-2026	28
Jun-2026	28
Jul-2026	28
Aug-2026	28
Sep-2026	28
Oct-2026	28
Nov-2026	27
Dec-2026	27

Jan-2027	27
Feb-2027	27
Mar-2027	27
Apr-2027	27
May-2027	27
Jun-2027	27
Jul-2027	26
Aug-2027	26
Sep-2027	26
Oct-2027	26
Nov-2027	26
Dec-2027	26
Jan-2028	26
Feb-2028	26
Mar-2028	25
Apr-2028	25
May-2028	25
Jun-2028	25
Jul-2028	25
Aug-2028	25
Sep-2028	25
Oct-2028	25
Nov-2028	24
Dec-2028	24
Jan-2029	24
Feb-2029	24
Mar-2029	24
Apr-2029	24
May-2029	24
Jun-2029	24
Jul-2029	23
Aug-2029	23
Sep-2029	23
Oct-2029	23
Nov-2029	23
Dec-2029	23

Jan-2030	23
Feb-2030	23
Mar-2030	22
Apr-2030	22
May-2030	22
Jun-2030	22
Jul-2030	22
Aug-2030	22
Sep-2030	22
Oct-2030	22
Nov-2030	22
Dec-2030	21
Jan-2031	21
Feb-2031	21
Mar-2031	21
Apr-2031	21
May-2031	21
Jun-2031	21
Jul-2031	21
Aug-2031	21
Sep-2031	20
Oct-2031	20
Nov-2031	20
Dec-2031	20
Jan-2032	20
Feb-2032	20
Mar-2032	20
Apr-2032	20
May-2032	20
Jun-2032	20
Jul-2032	19
Aug-2032	19
Sep-2032	19
Oct-2032	19
Nov-2032	19
Dec-2032	19

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

Form C-102
Revised August 15, 2000

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 30-045-08136	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000732	⁵ Property Name Jicarilla A	⁶ Well Number 2
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 6678'

¹⁰ Surface Location

UL or lot no. Unit B	Section 18	Township 26N	Range 05W	Lot Idn	Feet from the 790'	North/South line North	Feet from the 1850'	East/West line East	County Rio Arriba
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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 320 Ac.	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 <u>Cherry Hlava</u> Printed Name <u>Cherry Hlava</u> Title <u>Regulatory Analyst</u> Date <u>07/17/2001</u>	
	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. Plat on file Date of Survey Signature and Seal of Professional Surveyor:	
	Certificate Number	