

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. 30-045-23727
5. Indicate Type of Lease STATE ☒ FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: State Gas Com A
8. Well No. 1R
9. Pool name or Wildcat Blanco Mesaverde & Otero Chacra

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN 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 H 1530 feet from the North line and 830 feet from the East line Section 16 Township 29N Range 09W NMPM San Juan County
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10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5873'
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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 Chacra & 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 Otero Chacra 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 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 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 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.

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 12/27/2001
Type or print name Mary Corley	Telephone No. 281-366-4491	

APPROVED BY STEVEN N. HAYDEN	TITLE DEPUTY OIL & GAS INSPECTOR, DIST. IV	DATE JAN - 2 2002
Conditions of approval, if any: State Land Office must be notified		

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1625 N. French Dr., Hobbs, NM 88240

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1000 Rio Brazos Rd., Aztec, NM 87410

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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 30-045-23727	² Pool Code 82329	³ Pool Name Otero Chacra
⁴ Property Code 001064	⁵ Property Name State Gas Com A	⁶ Well Number 1R
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 5873'

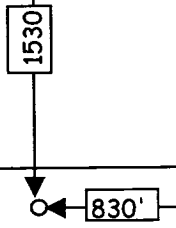
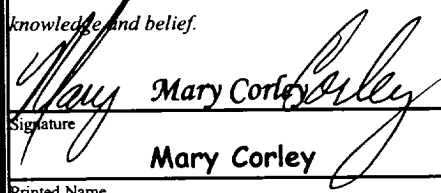
¹⁰ Surface Location

UL or lot no. Unit H	Section 16	Township 29N	Range 09W	Lot Idn	Feet from 1530	North/South North	Feet from 830	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

				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 12/27/2001 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> On File Date of Survey Signature and Seal of Professional Surveyor:
				Certificate Number

STATE GAS COM A 1R

API #: 30-045-23727

Sec 16, T29N, R9W

1. Check anchors. MIRU workover rig.
2. Kill with 2% KCL water if necessary. Nipple down WH. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Pressure test BOPs to 500 psi.
3. Tag for fill and tally OH with 2-3/8" production tubing. Visually inspect tbg while POOH.
4. TIH with bit and scraper for 4-1/2" casing to 3900'.
5. TIH with tubing-set CIBP. Set CIBP at 3850'. Load hole with 2% KCL.
6. Pressure test casing to 2500 psi
7. Swab 2000' of fluid column in casing with the sandline.
8. RIH with 3-1/8" casing guns 1 SPF 180 deg phasing with Schlumberger's Prospector, select-fire charge. Perforate the Chacra formation (correlate to GR log).
9. Breakdown the perforations with acetic acid.
10. RU frac equipment and install wellhead isolation tool. Use 2% KCL-N2 foam in fracture stimulation.
11. Frac the Chacra according to pump schedule.
12. Flowback frac fluid.
13. TIH with tubing and bit. Cleanout fill to top of drill bridge plug set at 3850'.
14. RU WL and lubricator. RIH with RA tracer log.
15. TIH with tubing and bit and drill out bridge plug at 3850'.
16. Land 2-3/8" production tubing at 4800'.
17. Swab water from the tubing with the sandline.
18. ND BOP's. NU WH. Test well for air. Move rig out location.

STATE GC 'A' # 1R

Sec 16, T29N, R9W

API #: 30-045-2372700

GL: 5873'

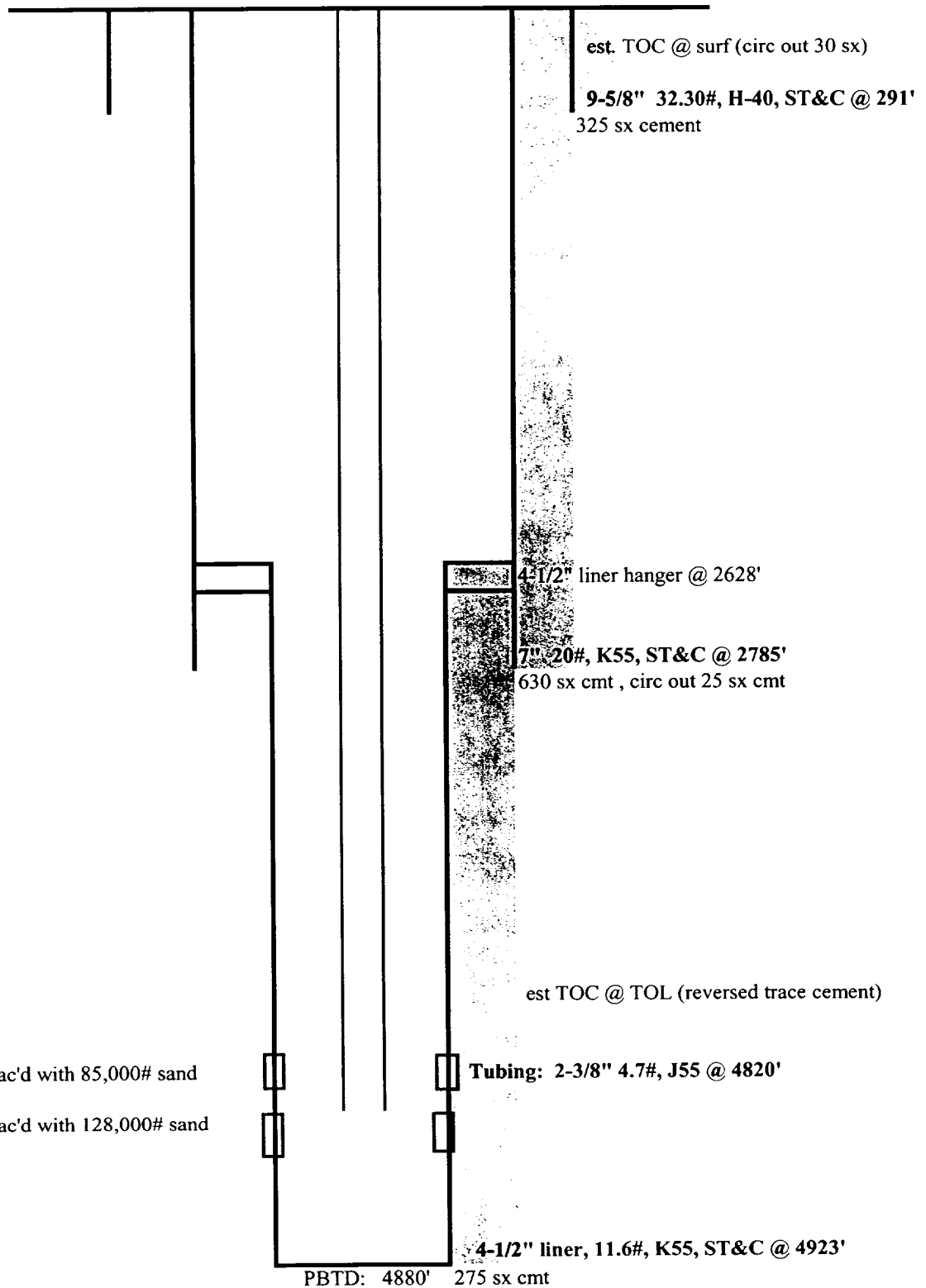
History:

Completed in Mar. 1980

Original MV perforations

3961' - 4406', 172 shots, frac'd with 85,000# sand

4562' - 4872', 122 shots, frac'd with 128,000# sand



updated: 10/22/01 az

State Gas Com A 1R
Future Production Decline Estimate Dakota
(Monthly Factor .323%)

Month	Gas Volume
Jan-2001	128
Feb-2001	124
Mar-2001	126
Apr-2001	116
May-2001	116
Jun-2001	96
Jul-2001	109
Aug-2001	107
Sep-2001	108
Oct-2001	94
Nov-2001	104
Dec-2001	104
Jan-2002	104
Feb-2002	104
Mar-2002	104
Apr-2002	104
May-2002	104
Jun-2002	104
Jul-2002	104
Aug-2002	104
Sep-2002	104
Oct-2002	104
Nov-2002	104
Dec-2002	104
Jan-2003	104
Feb-2003	103
Mar-2003	103
Apr-2003	103
May-2003	103
Jun-2003	103
Jul-2003	103
Aug-2003	103
Sep-2003	103
Oct-2003	103
Nov-2003	103
Dec-2003	100

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 116 \text{ MCFD (04/2001)}$
 $Q_f = 108 \text{ MCFD (09/2001)}$
 $t = 1 \text{ months (.041666 yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (0.32/12)}$

Corrected Volumes

$108/116 = 0.93103$
 $.93 * .41666 = .38792$
 0.032326667

Month	Gas Volume
Jan-2004	98
Feb-2004	95
Mar-2004	93
Apr-2004	90
May-2004	88
Jun-2004	85
Jul-2004	83
Aug-2004	81
Sep-2004	79
Oct-2004	77
Nov-2004	75
Dec-2004	73
Jan-2005	71
Feb-2005	69
Mar-2005	67
Apr-2005	65
May-2005	63
Jun-2005	62
Jul-2005	60
Aug-2005	58
Sep-2005	57
Oct-2005	55
Nov-2005	54
Dec-2005	52
Jan-2006	51
Feb-2006	50
Mar-2006	48
Apr-2006	47
May-2006	46
Jun-2006	45
Jul-2006	43
Aug-2006	42
Sep-2006	41
Oct-2006	40
Nov-2006	39
Dec-2006	38

Month	Gas Volume
Jan-2007	38
Feb-2007	38
Mar-2007	37
Apr-2007	37
May-2007	37
Jun-2007	37
Jul-2007	37
Aug-2007	37
Sep-2007	37
Oct-2007	37
Nov-2007	36
Dec-2007	36
Jan-2008	36
Feb-2008	36
Mar-2008	36
Apr-2008	36
May-2008	36
Jun-2008	36
Jul-2008	35
Aug-2008	35
Sep-2008	35
Oct-2008	35
Nov-2008	35
Dec-2008	35
Jan-2009	35
Feb-2009	35
Mar-2009	34
Apr-2009	34
May-2009	34
Jun-2009	34
Jul-2009	34
Aug-2009	34
Sep-2009	34
Oct-2009	34
Nov-2009	34
Dec-2009	33

State Gas Com A 1R
Future Production Decline Estimate Dakota
(Monthly Factor .323%)

Month	Gas Volume
Jan-2010	33
Feb-2010	33
Mar-2010	33
Apr-2010	33
May-2010	33
Jun-2010	33
Jul-2010	33
Aug-2010	32
Sep-2010	32
Oct-2010	32
Nov-2010	32
Dec-2010	32
Jan-2011	32
Feb-2011	32
Mar-2011	32
Apr-2011	32
May-2011	31
Jun-2011	31
Jul-2011	31
Aug-2011	31
Sep-2011	31
Oct-2011	31
Nov-2011	31
Dec-2011	31
Jan-2012	31
Feb-2012	31
Mar-2012	30
Apr-2012	30
May-2012	30
Jun-2012	30
Jul-2012	30
Aug-2012	30
Sep-2012	30
Oct-2012	30
Nov-2012	30
Dec-2012	29

Month	Gas Volume
Jan-2013	29
Feb-2013	29
Mar-2013	29
Apr-2013	29
May-2013	29
Jun-2013	29
Jul-2013	29
Aug-2013	29
Sep-2013	29
Oct-2013	29
Nov-2013	29
Dec-2013	28
Jan-2014	28
Feb-2014	28
Mar-2014	28
Apr-2014	28
May-2014	28
Jun-2014	28
Jul-2014	28
Aug-2014	28
Sep-2014	28
Oct-2014	28
Nov-2014	28
Dec-2014	27
Jan-2015	27
Feb-2015	27
Mar-2015	27
Apr-2015	27
May-2015	27
Jun-2015	27
Jul-2015	27
Aug-2015	27
Sep-2015	27
Oct-2015	27
Nov-2015	27
Dec-2015	26

Month	Gas Volume
Jan-2016	26
Feb-2016	26
Mar-2016	26
Apr-2016	26
May-2016	26
Jun-2016	26
Jul-2016	26
Aug-2016	26
Sep-2016	26
Oct-2016	26
Nov-2016	26
Dec-2016	26
Jan-2017	25
Feb-2017	25
Mar-2017	25
Apr-2017	25
May-2017	25
Jun-2017	25
Jul-2017	25
Aug-2017	25
Sep-2017	25
Oct-2017	25
Nov-2017	25
Dec-2017	25
Jan-2018	25
Feb-2018	24
Mar-2018	24
Apr-2018	24
May-2018	24
Jun-2018	24
Jul-2018	24
Aug-2018	24
Sep-2018	24
Oct-2018	24
Nov-2018	24
Dec-2018	24

Month	Gas Volume
Jan-2019	24
Feb-2019	24
Mar-2019	23
Apr-2019	23
May-2019	23
Jun-2019	23
Jul-2019	23
Aug-2019	23
Sep-2019	23
Oct-2019	23
Nov-2019	22
Dec-2019	22
Jan-2020	22
Feb-2020	22
Mar-2020	22
Apr-2020	22
May-2020	22
Jun-2020	22
Jul-2020	22
Aug-2020	21
Sep-2020	21
Oct-2020	21
Nov-2020	21
Dec-2020	21
Jan-2021	21
Feb-2021	21
Mar-2021	21
Apr-2021	21
May-2021	21
Jun-2021	20
Jul-2021	20
Aug-2021	20
Sep-2021	20
Oct-2021	20
Nov-2021	20
Dec-2021	20

State Gas Com A 1R
Future Production Decline Estimate Dakota
(Monthly Factor .323%)

Month	Gas Volume
Jan-2022	20
Feb-2022	20
Mar-2022	20
Apr-2022	19
May-2022	19
Jun-2022	19
Jul-2022	19
Aug-2022	19
Sep-2022	19
Oct-2022	19
Nov-2022	19
Dec-2022	19
Jan-2023	19
Feb-2023	18
Mar-2023	18
Apr-2023	18
May-2023	18
Jun-2023	18
Jul-2023	18
Aug-2023	18
Sep-2023	18
Oct-2023	18
Nov-2023	18
Dec-2023	18
Jan-2024	17
Feb-2024	17
Mar-2024	17
Apr-2024	17
May-2024	17
Jun-2024	17
Jul-2024	17
Aug-2024	17
Sep-2024	17
Oct-2024	17
Nov-2024	17
Dec-2024	17

Month	Gas Volume
Jan-2025	16
Feb-2025	16
Mar-2025	16
Apr-2025	16
May-2025	16
Jun-2025	16
Jul-2025	16
Aug-2025	16
Sep-2025	16
Oct-2025	16
Nov-2025	16
Dec-2025	16
Jan-2026	16
Feb-2026	15
Mar-2026	15
Apr-2026	15
May-2026	15
Jun-2026	15
Jul-2026	15
Aug-2026	15
Sep-2026	15
Oct-2026	15
Nov-2026	15
Dec-2026	15
Jan-2027	15
Feb-2027	15
Mar-2027	14
Apr-2027	14
May-2027	14
Jun-2027	14
Jul-2027	14
Aug-2027	14
Sep-2027	14
Oct-2027	14
Nov-2027	14
Dec-2027	14

Month	Gas Volume
Jan-2028	14
Feb-2028	14
Mar-2028	14
Apr-2028	14
May-2028	13
Jun-2028	13
Jul-2028	13
Aug-2028	13
Sep-2028	13
Oct-2028	13
Nov-2028	13
Dec-2028	13
Jan-2029	13
Feb-2029	13
Mar-2029	13
Apr-2029	13
May-2029	13
Jun-2029	13
Jul-2029	13
Aug-2029	13
Sep-2029	12
Oct-2029	12
Nov-2029	12
Dec-2029	12
Jan-2030	12
Feb-2030	12
Mar-2030	12
Apr-2030	12
May-2030	12
Jun-2030	12
Jul-2030	12
Aug-2030	12
Sep-2030	12
Oct-2030	12
Nov-2030	12
Dec-2030	12

Month	Gas Volume
Jan-2031	11
Feb-2031	11
Mar-2031	11
Apr-2031	11
May-2031	11
Jun-2031	11
Jul-2031	11
Aug-2031	11
Sep-2031	11
Oct-2031	11
Nov-2031	11
Dec-2031	11
Jan-2032	11
Feb-2032	11
Mar-2032	11
Apr-2032	11
May-2032	11
Jun-2032	11
Jul-2032	10
Aug-2032	10
Sep-2032	10
Oct-2032	10
Nov-2032	10
Dec-2032	10
Jan-2033	10
Feb-2033	10
Mar-2033	10
Apr-2033	10
May-2033	10
Jun-2033	10
Jul-2033	10
Aug-2033	10
Sep-2033	10
Oct-2033	10
Nov-2033	10
Dec-2033	10