

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

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

Form C-103

Revised March 25, 1999

WELL API NO.

30-045-24377

5. Indicate Type of Lease

STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

Heath Gas Com 6

(Also filed on BLM Form 3160-5 Federal
Lease SF - 076337)

8. Well No.

1E

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 DEEPEN OR PLUG BACK TO 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 I 1820 feet from the South line and 800 feet from the East line

Section 08

Township 29N

Range 09W

NMPM

San Juan

County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5692'

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 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 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 06/21/2001

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

(This space for State use)

APPROVED BY STEVEN N. HAYDEN TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3

Conditions of approval, if any:

JUN 25 2001
DATE

District I
1625 N. French Dr., Hobbs, NM 88240

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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 30-045-24377	² Pool Code 72319	³ Pool Name Blanco Mesaverde
⁴ Property Code 000656	⁵ Property Name Heath Gas Com G	⁶ Well Number 1E
⁷ OGRID No. 000778	⁸ Operator Name Amoco Production Company	⁹ Elevation 5692'

¹⁰ Surface Location

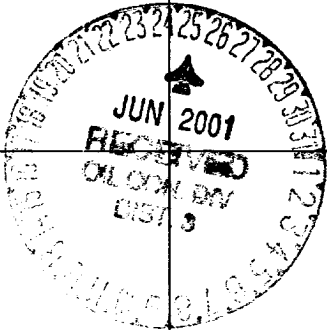
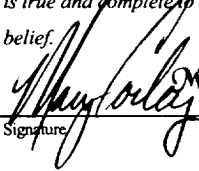
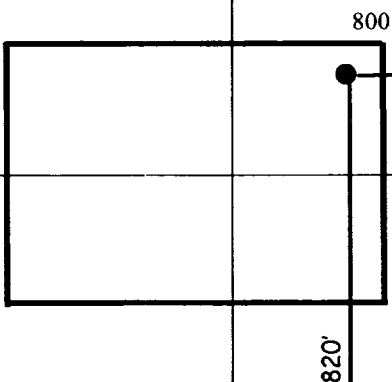
UL or lot no. Unit I	Section 08	Township 29N	Range 09W	Lot Idn	Feet from the 1820'	North/South line South	Feet from the 800'	East/West line East	County San Juan
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 Sr. Regulatory Analyst Title 06/21/2001 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. 03/03/1980 Date of Survey Signature and Seal of Professional Surveyor: Fred B Kerr Jr 3950 Certificate Number

Heath Gas Com G #1E Recompletion Procedure

Procedure:

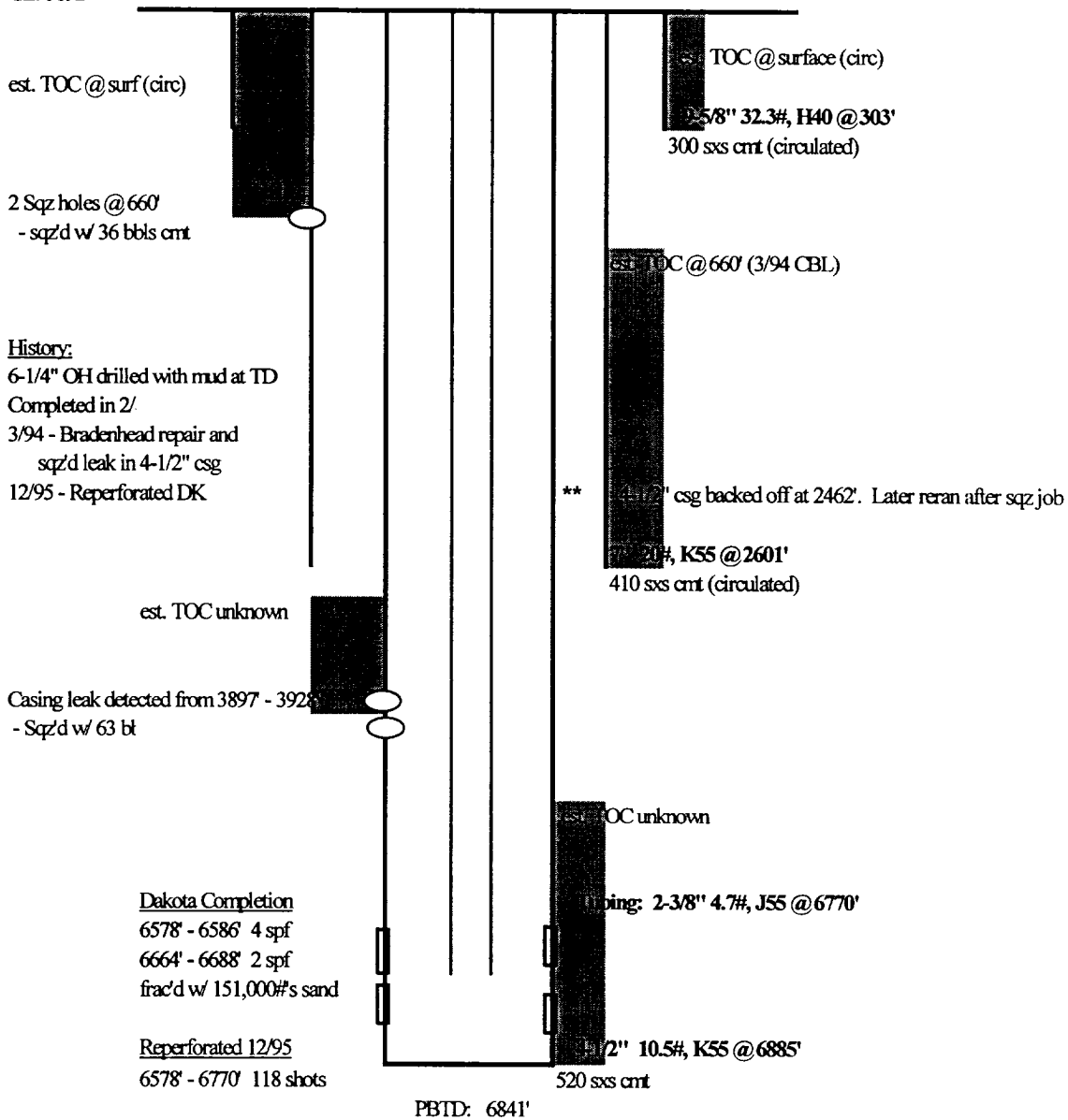
1. Check anchors. MIRU workover rig.
2. Check and record tubing, casing, and bradenhead pressures.
3. Blow down well
4. Nipple down WH. NU BOPs
5. Tag for fill and tally OH with 2-3/8" production tubing currently set at 6770'.
6. TIH with bit and scraper for 4-1/2" casing to 4800'.
7. TIH with tubing-set CIBP. Set CIBP at 4800'. Load hole with 2% KCL.
8. RU WL. Run CBL over MV interval (3650' - 4750') to ensure zonal isolation across the MV.
9. Pressure test casing to 2500 psi
10. RIH with 3-1/8" casing guns. Perforate Menefee/Point Lookout formation. 4336', 4344', 4368', 4370', 4382', 4414', 4420', 4442', 4453', 4480', 4485', 4494', 4505', 4512', 4524', 4528', 4536', 4544', 4548', 4578'
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 4260'.
15. RIH with 3-1/8" casing guns. Perforate Cliffhouse/Menefee formation. 3774', 3793', 3818', 3844', 3855', 3884', 3888', 3896', 3902', 3916', 3924', 3936', 3956', 3964', 3972', 3992', 3999', 4004', 4010', 4024', 4060', 4078', 4097', 4116', 4136', 4148', 4172', 4180', 4236', 4242'
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 4800'. Cleanout fill to PBTD at 6841'. Blow well dry at PBTD.
20. Land 2-3/8" production tubing at 6575'.
21. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle MV and DK production.

Heath GC G #1E

Sec 8, T29NR9W

API: 30-045-24377

GL: 5692'



Notes:

1) Mud used at TD during original drilling

updated: 5/1/01 jad

Heath Gas Com G #1E

Future Production Decline Estimate Dakota

(Monthly Factor .260%)

Month	Gas Volume
Jan-2000	0
Feb-2000	0
Mar-2000	0
Apr-2000	0
May-2000	0
Jun-2000	39
Jul-2000	20
Aug-2000	29
Sep-2000	16
Oct-2000	17
Nov-2000	14
Dec-2000	15
Jan-2001	20
Feb-2001	22
Mar-2001	20
Apr-2001	18
May-2001	18
Jun-2001	18
Jul-2001	18
Aug-2001	18
Sep-2001	18
Oct-2001	18
Nov-2001	18
Dec-2001	18
Jan-2002	18
Feb-2002	18
Mar-2002	18
Apr-2002	17
May-2002	17
Jun-2002	17
Jul-2002	17
Aug-2002	17
Sep-2002	17
Oct-2002	17
Nov-2002	17
Dec-2002	17

$\ln(Q_f/Q_i) = -dt$
 $Q_i = 20 \text{ MCFD } (07/2000)$
 $Q_f = 15 \text{ MCFD } (12/2000)$
 $t = 5 \text{ months } (.41666 \text{ yrs})$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline } (0.32/12)$

Corrected Volumes
 $20/15 = 0.75000$
 $.75 * .41666 = .31250$
 0.026041667

Month	Gas Volume
Jan-2003	17
Feb-2003	17
Mar-2003	17
Apr-2003	17
May-2003	17
Jun-2003	17
Jul-2003	17
Aug-2003	17
Sep-2003	17
Oct-2003	17
Nov-2003	17
Dec-2003	17
Jan-2004	17
Feb-2004	17
Mar-2004	16
Apr-2004	16
May-2004	16
Jun-2004	16
Jul-2004	16
Aug-2004	16
Sep-2004	16
Oct-2004	16
Nov-2004	16
Dec-2004	16
Jan-2005	16
Feb-2005	16
Mar-2005	16
Apr-2005	16
May-2005	16
Jun-2005	16
Jul-2005	16
Aug-2005	16
Sep-2005	16
Oct-2005	16
Nov-2005	16
Dec-2005	16

Month	Gas Volume
Jan-2006	16
Feb-2006	15
Mar-2006	15
Apr-2006	15
May-2006	15
Jun-2006	15
Jul-2006	15
Aug-2006	15
Sep-2006	15
Oct-2006	15
Nov-2006	15
Dec-2006	15
Jan-2007	15
Feb-2007	15
Mar-2007	15
Apr-2007	15
May-2007	15
Jun-2007	15
Jul-2007	15
Aug-2007	15
Sep-2007	14
Oct-2007	14
Nov-2007	14
Dec-2007	14
Jan-2008	14
Feb-2008	14
Mar-2008	14
Apr-2008	14
May-2008	14
Jun-2008	14
Jul-2008	14
Aug-2008	14
Sep-2008	14
Oct-2008	14
Nov-2008	14
Dec-2008	14

Heath Gas Com G #1E

Future Production Decline Estimate Dakota

(Monthly Factor .260%)

Month	Gas Volume
Jan-2009	14
Feb-2009	14
Mar-2009	14
Apr-2009	14
May-2009	14
Jun-2009	13
Jul-2009	13
Aug-2009	13
Sep-2009	13
Oct-2009	13
Nov-2009	13
Dec-2009	13
Jan-2010	13
Feb-2010	13
Mar-2010	13
Apr-2010	13
May-2010	13
Jun-2010	13
Jul-2010	13
Aug-2010	13
Sep-2010	13
Oct-2010	13
Nov-2010	13
Dec-2010	13
Jan-2011	13
Feb-2011	13
Mar-2011	13
Apr-2011	12
May-2011	12
Jun-2011	12
Jul-2011	12
Aug-2011	12
Sep-2011	12
Oct-2011	12
Nov-2011	12
Dec-2011	12

Month	Gas Volume
Jan-2012	12
Feb-2012	12
Mar-2012	12
Apr-2012	12
May-2012	12
Jun-2012	12
Jul-2012	12
Aug-2012	12
Sep-2012	12
Oct-2012	12
Nov-2012	12
Dec-2012	12
Jan-2013	12
Feb-2013	12
Mar-2013	12
Apr-2013	12
May-2013	12
Jun-2013	11
Jul-2013	11
Aug-2013	11
Sep-2013	11
Oct-2013	11
Nov-2013	11
Dec-2013	11
Jan-2014	11
Feb-2014	11
Mar-2014	11
Apr-2014	11
May-2014	11
Jun-2014	11
Jul-2014	11
Aug-2014	11
Sep-2014	11
Oct-2014	11
Nov-2014	11
Dec-2014	11

Month	Gas Volume
Jan-2015	11
Feb-2015	11
Mar-2015	11
Apr-2015	11
May-2015	11
Jun-2015	11
Jul-2015	11
Aug-2015	11
Sep-2015	11
Oct-2015	11
Nov-2015	11
Dec-2015	11
Jan-2016	10
Feb-2016	10
Mar-2016	10
Apr-2016	10
May-2016	10
Jun-2016	10
Jul-2016	10
Aug-2016	10
Sep-2016	10
Oct-2016	10
Nov-2016	10
Dec-2016	10
Jan-2017	10
Feb-2017	10
Mar-2017	10
Apr-2017	10
May-2017	10
Jun-2017	10
Jul-2017	10
Aug-2017	10
Sep-2017	10
Oct-2017	10
Nov-2017	10
Dec-2017	10

Month	Gas Volume
Jan-2018	10
Feb-2018	10
Mar-2018	10
Apr-2018	10
May-2018	10
Jun-2018	9
Jul-2018	9
Aug-2018	9
Sep-2018	9
Oct-2018	9
Nov-2018	9
Dec-2018	9
Jan-2019	9
Feb-2019	9
Mar-2019	9
Apr-2019	9
May-2019	9
Jun-2019	9
Jul-2019	9
Aug-2019	9
Sep-2019	9
Oct-2019	9
Nov-2019	9
Dec-2019	9
Jan-2020	9
Feb-2020	9
Mar-2020	9
Apr-2020	8
May-2020	8
Jun-2020	8
Jul-2020	8
Aug-2020	8
Sep-2020	8
Oct-2020	8
Nov-2020	8
Dec-2020	8

Heath Gas Com G #1E

Future Production Decline Estimate Dakota

(Monthly Factor .260%)

Month	Gas Volume
Jan-2021	8
Feb-2021	8
Mar-2021	8
Apr-2021	8
May-2021	8
Jun-2021	8
Jul-2021	8
Aug-2021	8
Sep-2021	8
Oct-2021	8
Nov-2021	8
Dec-2021	8
Jan-2022	8
Feb-2022	8
Mar-2022	8
Apr-2022	8
May-2022	7
Jun-2022	7
Jul-2022	7
Aug-2022	7
Sep-2022	7
Oct-2022	7
Nov-2022	7
Dec-2022	7
Jan-2023	7
Feb-2023	7
Mar-2023	7
Apr-2023	7
May-2023	7
Jun-2023	7
Jul-2023	7
Aug-2023	7
Sep-2023	7
Oct-2023	7
Nov-2023	7
Dec-2023	7

Month	Gas Volume
Jan-2024	7
Feb-2024	7
Mar-2024	7
Apr-2024	7
May-2024	7
Jun-2024	7
Jul-2024	7
Aug-2024	7
Sep-2024	7
Oct-2024	6
Nov-2024	6
Dec-2024	6
Jan-2025	6
Feb-2025	6
Mar-2025	6
Apr-2025	6
May-2025	6
Jun-2025	6
Jul-2025	6
Aug-2025	6
Sep-2025	6
Oct-2025	6
Nov-2025	6
Dec-2025	6
Jan-2026	6
Feb-2026	6
Mar-2026	6
Apr-2026	6
May-2026	6
Jun-2026	6
Jul-2026	6
Aug-2026	6
Sep-2026	6
Oct-2026	6
Nov-2026	6
Dec-2026	6

Month	Gas Volume
Jan-2027	6
Feb-2027	6
Mar-2027	6
Apr-2027	6
May-2027	6
Jun-2027	6
Jul-2027	5
Aug-2027	5
Sep-2027	5
Oct-2027	5
Nov-2027	5
Dec-2027	5
Jan-2028	5
Feb-2028	5
Mar-2028	5
Apr-2028	5
May-2028	5
Jun-2028	5
Jul-2028	5
Aug-2028	5
Sep-2028	5
Oct-2028	5
Nov-2028	5
Dec-2028	5
Jan-2029	5
Feb-2029	5
Mar-2029	5
Apr-2029	5
May-2029	5
Jun-2029	5
Jul-2029	5
Aug-2029	5
Sep-2029	5
Oct-2029	5
Nov-2029	5
Dec-2029	5

Month	Gas Volume
Jan-2030	5
Feb-2030	5
Mar-2030	5
Apr-2030	5
May-2030	5
Jun-2030	5
Jul-2030	5
Aug-2030	5
Sep-2030	5
Oct-2030	4
Nov-2030	4
Dec-2030	4
Jan-2031	4
Feb-2031	4
Mar-2031	4
Apr-2031	4
May-2031	4
Jun-2031	4
Jul-2031	4
Aug-2031	4
Sep-2031	4
Oct-2031	4
Nov-2031	4
Dec-2031	4
Jan-2032	4
Feb-2032	4
Mar-2032	4
Apr-2032	4
May-2032	4
Jun-2032	4
Jul-2032	4
Aug-2032	4
Sep-2032	4
Oct-2032	4
Nov-2032	4
Dec-2032	4