

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

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-10) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-23726
1. Type of Well: Oil Well ☐ Gas Well ☒ Other		5. Indicate Type of Lease STATE ☐ FEE ☒
2. Name of Operator Amoco Production Company Attn: Mary Corley		6. State Oil & Gas Lease No.
3. Address of Operator P.O. Box 3092 Houston, TX 77253		7. Lease Name or Unit Agreement Name: Heath Gas Com J
4. Well Location Unit Letter D 0790 feet from the North line and 1040 feet from the West line Section 09 Township 29N Range 09W NMPM San Juan County		8. Well No. 1E
10. Elevation (Show whether DR, RKB, RT, GR, etc.) 5703'		9. Pool name or Wildcat Basin Dakota & Blanco Mesaverde

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 DATE JUN 25 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 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

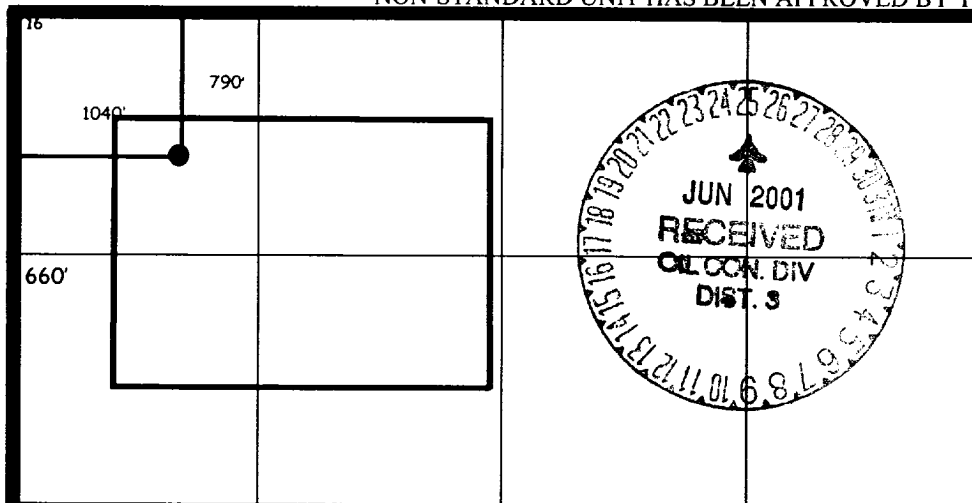
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-23726		² Pool Code 72319		³ Pool Name Blanco Mesaverde	
⁴ Property Code 000658		⁵ Property Name Heath Gas Com J			⁶ Well Number 1E
⁷ OGRID No. 000778		⁸ Operator Name Amoco Production Company			⁹ Elevation 5703'

¹⁰ Surface Location									
UL or lot no. Unit D	Section 09	Township 29N	Range 09W	Lot Idn	Feet from the 790'	North/South line North	Feet from the 1040'	East/West line West	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 320		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 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Mary Corley
Signature

Printed Name **Mary Corley**

Title **Sr. Regulatory Analyst**

Date **06/14/2001**

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.

10/31/1978

Date of Survey

Signature and Seal of Professional Surveyor:

Fred B Kerr Jr 3950

Certificate Number

Heath Gas Com J #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 6778'.
6. TIH with bit and scraper for 4-1/2" casing to 4700'.
7. TIH with tubing-set CIBP. Set CIBP at 4700'. Load hole with 2% KCL.
8. RU WL. Run CBL over MV interval (3650' - 4700') to ensure zonal isolation across the MV.
9. Pressure test casing to 2500 psi.
10. RIH with 3-1/8" casing guns. Perforate Point Lookout formation.
4362', 4370', 4374', 4378', 4386', 4404', 4408', 4424', 4430', 4444', 4454',
4460', 4464', 4472', 4484', 4488', 4500', 4512', 4518', 4528', 4566', 4580', 4594'
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 4100'.
15. RIH with 3-1/8" casing guns. Perforate Cliffhouse formation.
3794', 3797', 3822', 3828', 3835', 3844', 3849', 3856', 3866', 3880', 3886', 3893', 3914',
3916', 3924', 3930', 3936', 3940', 3944', 3954', 3958'
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 4700' and 4100'. Cleanout fill to PBTD at 6841'. Blow well dry at PBTD.
20. Land 2-3/8" production tubing at 6600'.
21. ND BOP's. NU WH. Test well for air. Return well to production and downhole commingle MV and DK production.

Heath GC J #1E

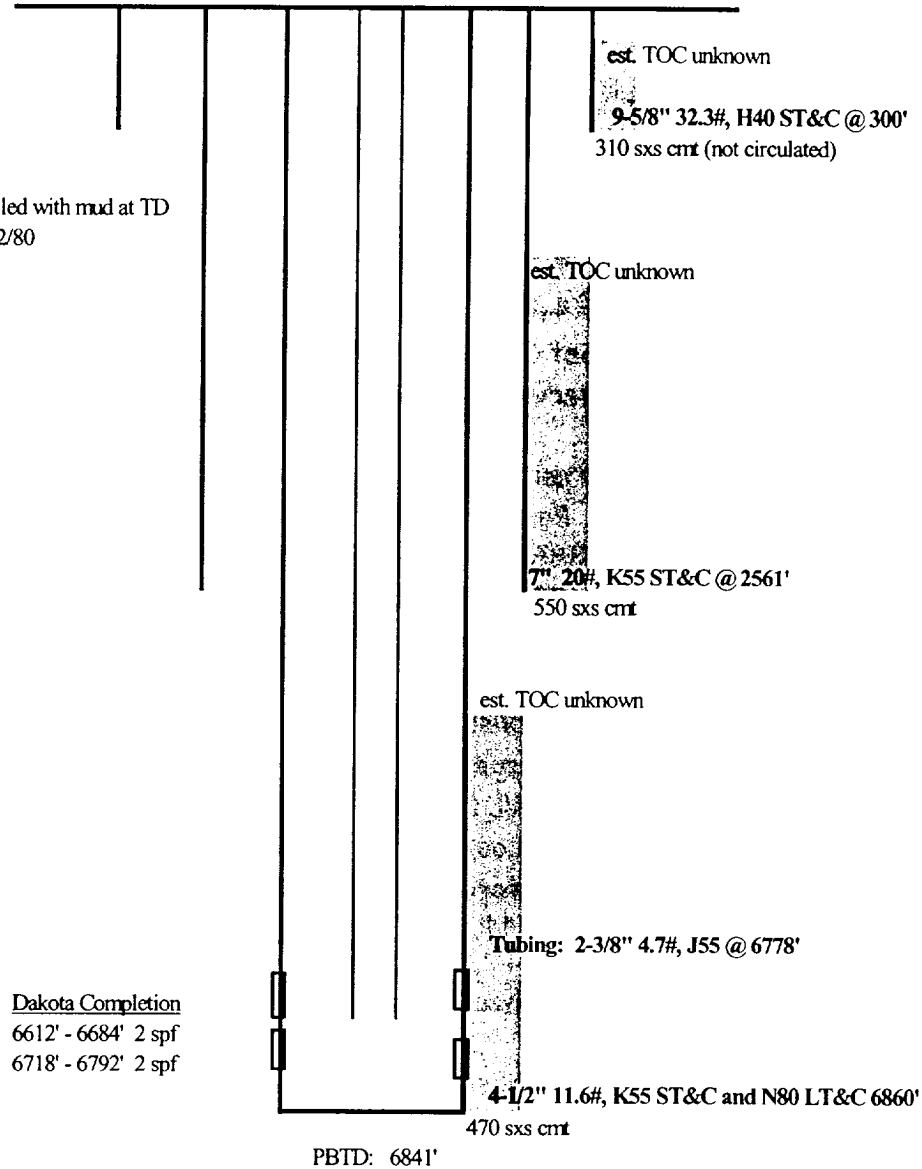
Sec 9, T29N R9W

API: 30-045-23726

GL: 5703'

History:

6-1/4" OH drilled with mud at TD
Completed in 2/80



Notes:

- 1) No cmt info was found in the wellfile
- 2) Mud was used at TD during drilling

updated: 5/1/01 jad

Heath Gas Com J #1E

Future Production Decline Estimate Dakota

(Monthly Factor .303%)

$\ln(Q_i/Q_1) = -dt$
 $Q_i = 55 \text{ MCFD (09/2000)}$
 $Q_f = 48 \text{ MCFD (02/2001)}$
 $t = 5 \text{ months (}.41666 \text{ yrs)}$
 $d = 0.32 \text{ annual decline}$
 $0.027 \text{ monthly decline (}.0.32/12)$

Corrected Volumes
 $48/57 = 0.87272$
 $.87 * .41666 = .36363$
 0.0303025

Month	Gas Volume
Jan-2000	0
Feb-2000	0
Mar-2000	0
Apr-2000	104
May-2000	78
Jun-2000	65
Jul-2000	67
Aug-2000	63
Sep-2000	55
Oct-2000	70
Nov-2000	57
Dec-2000	0
Jan-2001	72
Feb-2001	48
Mar-2001	57
Apr-2001	42
May-2001	41
Jun-2001	41
Jul-2001	41
Aug-2001	41
Sep-2001	41
Oct-2001	40
Nov-2001	40
Dec-2001	40
Jan-2002	40
Feb-2002	40
Mar-2002	40
Apr-2002	40
May-2002	40
Jun-2002	40
Jul-2002	40
Aug-2002	39
Sep-2002	39
Oct-2002	39
Nov-2002	39
Dec-2002	39

Month	Gas Volume
Jan-2003	39
Feb-2003	39
Mar-2003	39
Apr-2003	39
May-2003	38
Jun-2003	38
Jul-2003	38
Aug-2003	38
Sep-2003	38
Oct-2003	38
Nov-2003	38
Dec-2003	38
Jan-2004	38
Feb-2004	38
Mar-2004	37
Apr-2004	37
May-2004	37
Jun-2004	37
Jul-2004	37
Aug-2004	37
Sep-2004	37
Oct-2004	37
Nov-2004	37
Dec-2004	37
Jan-2005	37
Feb-2005	36
Mar-2005	36
Apr-2005	36
May-2005	36
Jun-2005	36
Jul-2005	36
Aug-2005	36
Sep-2005	36
Oct-2005	36
Nov-2005	36
Dec-2005	35

Month	Gas Volume
Jan-2006	35
Feb-2006	35
Mar-2006	35
Apr-2006	35
May-2006	35
Jun-2006	35
Jul-2006	35
Aug-2006	34
Sep-2006	34
Oct-2006	34
Nov-2006	34
Dec-2006	34
Jan-2007	34
Feb-2007	34
Mar-2007	34
Apr-2007	34
May-2007	33
Jun-2007	33
Jul-2007	33
Aug-2007	33
Sep-2007	33
Oct-2007	33
Nov-2007	33
Dec-2007	33
Jan-2008	33
Feb-2008	32
Mar-2008	32
Apr-2008	32
May-2008	32
Jun-2008	32
Jul-2008	32
Aug-2008	32
Sep-2008	32
Oct-2008	32
Nov-2008	31
Dec-2008	31

Heath Gas Com J #1E **Future Production Decline Estimate Dakota** **(Monthly Factor .303%)**

Month	Gas Volume
Jan-2009	31
Feb-2009	31
Mar-2009	31
Apr-2009	31
May-2009	31
Jun-2009	31
Jul-2009	31
Aug-2009	30
Sep-2009	30
Oct-2009	30
Nov-2009	30
Dec-2009	30
Jan-2010	30
Feb-2010	30
Mar-2010	30
Apr-2010	30
May-2010	30
Jun-2010	29
Jul-2010	29
Aug-2010	29
Sep-2010	29
Oct-2010	29
Nov-2010	29
Dec-2010	29
Jan-2011	29
Feb-2011	29
Mar-2011	29
Apr-2011	28
May-2011	28
Jun-2011	28
Jul-2011	28
Aug-2011	28
Sep-2011	28
Oct-2011	28
Nov-2011	28
Dec-2011	28

Month	Gas Volume
Jan-2012	28
Feb-2012	27
Mar-2012	27
Apr-2012	27
May-2012	27
Jun-2012	27
Jul-2012	27
Aug-2012	27
Sep-2012	27
Oct-2012	27
Nov-2012	27
Dec-2012	27
Jan-2013	27
Feb-2013	27
Mar-2013	26
Apr-2013	26
May-2013	26
Jun-2013	26
Jul-2013	26
Aug-2013	26
Sep-2013	26
Oct-2013	26
Nov-2013	26
Dec-2013	26
Jan-2014	26
Feb-2014	26
Mar-2014	25
Apr-2014	25
May-2014	25
Jun-2014	25
Jul-2014	25
Aug-2014	25
Sep-2014	25
Oct-2014	25
Nov-2014	25
Dec-2014	25

Month	Gas Volume
Jan-2015	25
Feb-2015	25
Mar-2015	25
Apr-2015	25
May-2015	24
Jun-2015	24
Jul-2015	24
Aug-2015	24
Sep-2015	24
Oct-2015	24
Nov-2015	24
Dec-2015	24
Jan-2016	24
Feb-2016	24
Mar-2016	24
Apr-2016	24
May-2016	24
Jun-2016	23
Jul-2016	23
Aug-2016	23
Sep-2016	23
Oct-2016	23
Nov-2016	23
Dec-2016	23
Jan-2017	23
Feb-2017	23
Mar-2017	23
Apr-2017	23
May-2017	23
Jun-2017	23
Jul-2017	23
Aug-2017	23
Sep-2017	22
Oct-2017	22
Nov-2017	22
Dec-2017	22

Month	Gas Volume
Jan-2018	22
Feb-2018	22
Mar-2018	22
Apr-2018	22
May-2018	22
Jun-2018	22
Jul-2018	21
Aug-2018	21
Sep-2018	21
Oct-2018	21
Nov-2018	21
Dec-2018	21
Jan-2019	21
Feb-2019	21
Mar-2019	21
Apr-2019	21
May-2019	20
Jun-2019	20
Jul-2019	20
Aug-2019	20
Sep-2019	20
Oct-2019	20
Nov-2019	20
Dec-2019	20
Jan-2020	20
Feb-2020	20
Mar-2020	19
Apr-2020	19
May-2020	19
Jun-2020	19
Jul-2020	19
Aug-2020	19
Sep-2020	19
Oct-2020	19
Nov-2020	19
Dec-2020	19

Heath Gas Com J #1E

Future Production Decline Estimate Dakota

(Monthly Factor .303%)

Month	Gas Volume
Jan-2021	18
Feb-2021	18
Mar-2021	18
Apr-2021	18
May-2021	18
Jun-2021	18
Jul-2021	18
Aug-2021	18
Sep-2021	18
Oct-2021	18
Nov-2021	18
Dec-2021	18
Jan-2022	17
Feb-2022	17
Mar-2022	17
Apr-2022	17
May-2022	17
Jun-2022	17
Jul-2022	17
Aug-2022	17
Sep-2022	17
Oct-2022	17
Nov-2022	17
Dec-2022	16
Jan-2023	16
Feb-2023	16
Mar-2023	16
Apr-2023	16
May-2023	16
Jun-2023	16
Jul-2023	16
Aug-2023	16
Sep-2023	16
Oct-2023	16
Nov-2023	16
Dec-2023	16

Month	Gas Volume
Jan-2024	15
Feb-2024	15
Mar-2024	15
Apr-2024	15
May-2024	15
Jun-2024	15
Jul-2024	15
Aug-2024	15
Sep-2024	15
Oct-2024	15
Nov-2024	15
Dec-2024	15
Jan-2025	15
Feb-2025	14
Mar-2025	14
Apr-2025	14
May-2025	14
Jun-2025	14
Jul-2025	14
Aug-2025	14
Sep-2025	14
Oct-2025	14
Nov-2025	14
Dec-2025	14
Jan-2026	14
Feb-2026	14
Mar-2026	14
Apr-2026	13
May-2026	13
Jun-2026	13
Jul-2026	13
Aug-2026	13
Sep-2026	13
Oct-2026	13
Nov-2026	13
Dec-2026	13

Month	Gas Volume
Jan-2027	13
Feb-2027	13
Mar-2027	13
Apr-2027	13
May-2027	13
Jun-2027	13
Jul-2027	13
Aug-2027	12
Sep-2027	12
Oct-2027	12
Nov-2027	12
Dec-2027	12
Jan-2028	12
Feb-2028	12
Mar-2028	12
Apr-2028	12
May-2028	12
Jun-2028	12
Jul-2028	12
Aug-2028	12
Sep-2028	12
Oct-2028	12
Nov-2028	12
Dec-2028	11
Jan-2029	11
Feb-2029	11
Mar-2029	11
Apr-2029	11
May-2029	11
Jun-2029	11
Jul-2029	11
Aug-2029	11
Sep-2029	11
Oct-2029	11
Nov-2029	11
Dec-2029	11

Month	Gas Volume
Jan-2030	11
Feb-2030	11
Mar-2030	11
Apr-2030	11
May-2030	11
Jun-2030	10
Jul-2030	10
Aug-2030	10
Sep-2030	10
Oct-2030	10
Nov-2030	10
Dec-2030	10
Jan-2031	10
Feb-2031	10
Mar-2031	10
Apr-2031	10
May-2031	10
Jun-2031	10
Jul-2031	10
Aug-2031	10
Sep-2031	10
Oct-2031	10
Nov-2031	10
Dec-2031	10
Jan-2032	10
Feb-2032	9
Mar-2032	9
Apr-2032	9
May-2032	9
Jun-2032	9
Jul-2032	9
Aug-2032	9
Sep-2032	9
Oct-2032	9
Nov-2032	9
Dec-2032	9