

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107-A
New 3-12-96

DISTRICT II
811 South First St. Artesia NM 88210-2835

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410-1693

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Operator

Address

SEMU

96

Section 23, T-20-S, R-37-E, I

Lea

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO. 005073

Property Code 003079

API NO.

30-025-25100

Spacing Unit Lease Types (check 1 or more)

Federal ☒ State ☐ (and/or) Free ☐

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Monument Tubb (47090)		Weir Drinkard (63480)
2. TOP and Bottom of Pay Section (Perforations)	6350-6650'		6773-6841'
3. Type of production (Oil or Gas)	Oil		Oil
4. Method of Production (Flowing or Artificial Lift)	Artificial Lift		Artificial Lift
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing Measured Current All Gas Zones Estimated Or Measured Original	a (Current) 550 psi b(Original) 550 psi	a b.	a. 585 psi b. 1000 psi
6. Oil Gravity (*API) or Gas BT Content	34.2		33.8
7. Producing or Shut-in?	To be completed		Producing
Production Marginal? (yes or no)	Expected yes		Yes
• If Shut-In give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.	Date Rates	Date Rates	Date Rates
• If Producing, date and oil/gas/water rates of recent test (within 60 days)	Anticipated 40 BOPD, 0 BWPD, 280 MCFD Allocation by subtraction - See chart	Date Rates	1/7/200 25 BOPD, 50 BWPD, 31 MCFD
8. Fixed Percentage Allocation Formula - % for each zone	Oil Gas %	Oil Gas %	Oil Gas %

9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.

10. Are all working, overriding, and royalty interests identical in all commingled zones? ☒ Yes ☐ No
If not, have all working, overriding, and royalty interests been notified by certified mail? ☐ Yes ☐ No
Have all offset operators been given written notice of the proposed downhole commingling? ☒ Yes ☐ No

11. Will cross-flow occur? ☐ Yes ☒ No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliable. Yes ☐ No (If No, attach explanation)

12. Are all produced fluids from all commingled zones compatible with each others ☒ Yes ☐ No

13. Will the value of production be decreased by commingling? ☐ Yes ☒ No (If Yes, attach explanation)

14. If this well is on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. ☒ Yes ☐ No

15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S). _____

16. ATTACHMENTS

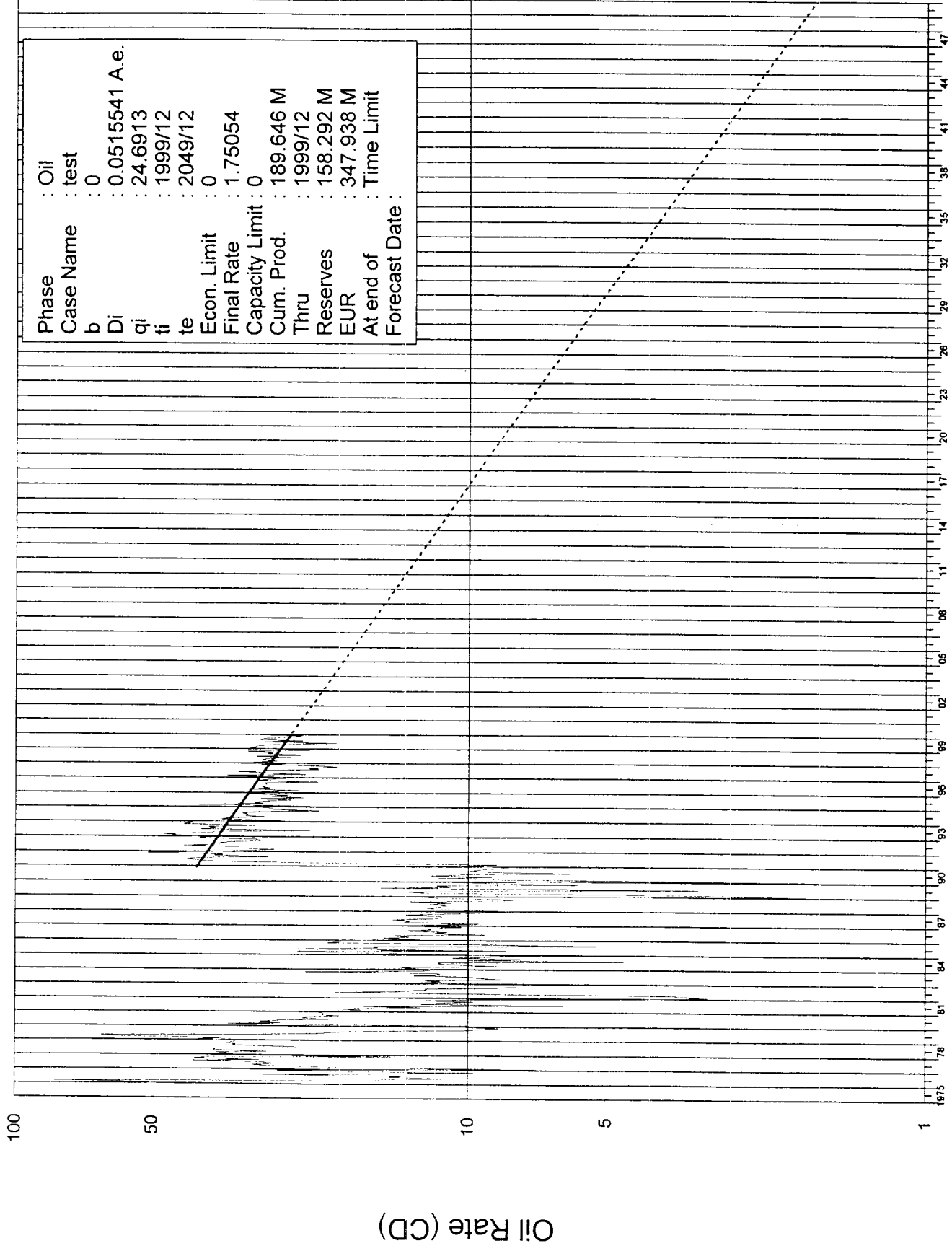
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of all offset operators.
- Notification list of working, overriding and royalty interests for uncommon interest cases.
- Any additional statements, data, or documents required to support commingling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Kay Maddox TITLE Regulatory Agent DATE 2/3/2000

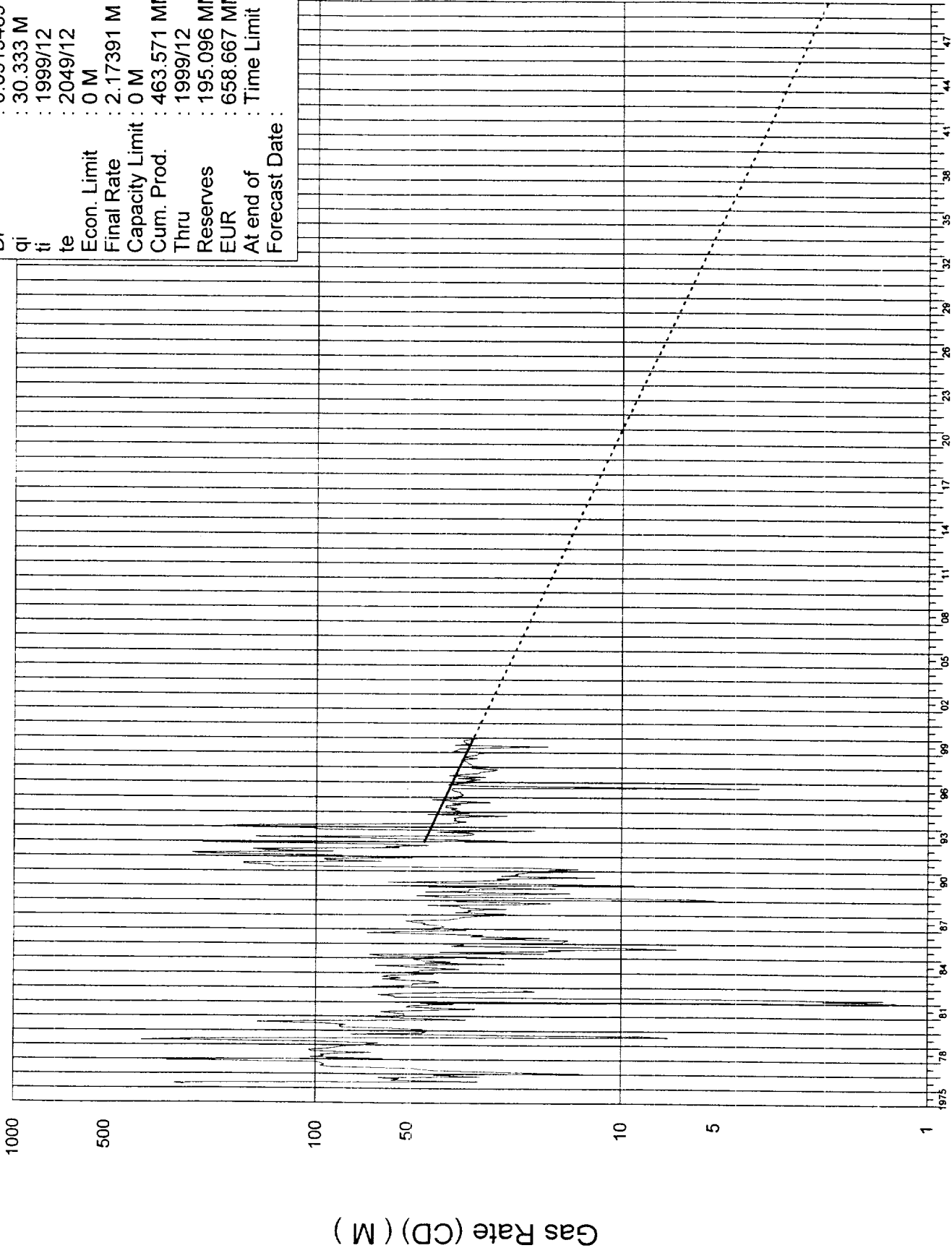
TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

SEMU DRINKARD 96:DR



SEMU DRINKARD 96:DR

Phase	: Gas
Case Name	: test
b	: 0
Di	: 0.0513489 A.e.
qi	: 30.333 M
ti	: 1999/12
te	: 2049/12
Econ. Limit	: 0 M
Final Rate	: 2.17391 M
Capacity Limit	: 0 M
Cum. Prod.	: 463.571 MM
Thru	: 1999/12
Reserves	: 195.096 MM
EUR	: 658.667 MM
At end of	: Time Limit
Forecast Date	:



SEMU DRINKARD #96
Oil Production Forecast

DATE	BOPD	Remaining Reserves (Mbbbls)
2000/ 1	25.0	157.5
2000/ 7	24.0	153.1
2001/ 1	23.4	148.8
2001/ 7	22.7	144.6
2002/ 1	22.2	140.5
2002/ 7	21.6	136.5
2003/ 1	21.0	132.6
2003/ 7	20.5	128.9
2004/ 1	19.9	125.2
2004/ 7	19.4	121.6
2005/ 1	18.9	118.1
2005/ 7	18.4	114.7
2006/ 1	17.9	111.4
2006/ 7	17.5	108.2
2007/ 1	17.0	105.0
2007/ 7	16.6	102.0
2008/ 1	16.1	99.0
2008/ 7	15.7	96.1
2009/ 1	15.3	93.2
2009/ 7	14.9	90.5
2010/ 1	14.5	87.8
2010/ 7	14.1	85.2
2011/ 1	13.8	82.7
2011/ 7	13.4	80.2
2012/ 1	13.1	77.8
2012/ 7	12.7	75.4
2013/ 1	12.4	73.1
2013/ 7	12.0	70.9
2014/ 1	11.7	68.8
2014/ 7	11.4	66.7
2015/ 1	11.1	64.6
2015/ 7	10.8	62.6
2016/ 1	10.6	60.6
2016/ 7	10.3	58.7
2017/ 1	10.0	56.9
2017/ 7	9.8	55.1
2018/ 1	9.5	53.3
2018/ 7	9.2	51.6
2019/ 1	9.0	50.0
2019/ 7	8.8	48.4
2020/ 1	8.6	46.8
2020/ 7	8.3	45.2
2021/ 1	8.1	43.7
2021/ 7	7.9	42.3
2022/ 1	7.7	40.9

SEMU DRINKARD #96
Gas Production Forecast

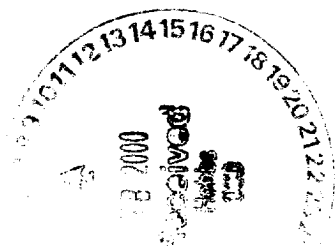
DATE	Mscf/d	Remaining Reserves (MMscf)
2000/ 1	30.3	194.2
2000/ 7	29.5	188.7
2001/ 1	28.7	183.4
2001/ 7	27.9	178.3
2002/ 1	27.2	173.2
2002/ 7	26.5	168.4
2003/ 1	25.8	163.5
2003/ 7	25.1	158.9
2004/ 1	24.5	154.4
2004/ 7	23.9	150.0
2005/ 1	23.3	145.7
2005/ 7	22.6	141.5
2006/ 1	22.1	137.4
2006/ 7	21.5	133.5
2007/ 1	20.9	129.6
2007/ 7	20.4	125.9
2008/ 1	19.9	122.2
2008/ 7	19.3	118.6
2009/ 1	18.8	115.1
2009/ 7	18.3	111.8
2010/ 1	17.9	108.4
2010/ 7	17.4	105.2
2011/ 1	17.0	102.1
2011/ 7	16.5	99.1
2012/ 1	16.1	96.1
2012/ 7	15.6	93.2
2013/ 1	15.3	90.4
2013/ 7	14.8	87.6
2014/ 1	14.5	85.0
2014/ 7	14.1	82.4
2015/ 1	13.7	79.8
2015/ 7	13.4	77.4
2016/ 1	13.0	75.0
2016/ 7	12.7	72.6
2017/ 1	12.4	70.3
2017/ 7	12.0	68.1
2018/ 1	11.7	65.9
2018/ 7	11.4	63.9
2019/ 1	11.1	61.8
2019/ 7	10.8	59.8
2020/ 1	10.6	57.8
2020/ 7	10.3	56.0
2021/ 1	10.0	54.1
2021/ 7	9.7	52.3
2022/ 1	9.5	50.5

SEMU DRINKARD #96
Oil Production Forecast
Remaining

DATE	BOPD	Reserves (Mbbbls)
2024/ 1	6.9	35.5
2024/ 7	6.7	34.3
2025/ 1	6.6	33.1
2025/ 7	6.4	31.9
2026/ 1	6.2	30.8
2026/ 7	6.1	29.6
2027/ 1	5.9	28.5
2027/ 7	5.7	27.5
2028/ 1	5.6	26.5
2028/ 7	5.4	25.4
2029/ 1	5.3	24.5
2029/ 7	5.2	23.5
2030/ 1	5.0	22.6
2030/ 7	4.9	21.7
2031/ 1	4.8	20.8
2031/ 7	4.7	19.9
2032/ 1	4.5	19.1
2032/ 7	4.4	18.3
2033/ 1	4.3	17.5
2033/ 7	4.2	16.7
2034/ 1	4.1	16.0
2034/ 7	4.0	15.2
2035/ 1	3.9	14.5
2035/ 7	3.8	13.8
2036/ 1	3.7	13.2
2036/ 7	3.6	12.5
2037/ 1	3.5	11.8
2037/ 7	3.4	11.2
2038/ 1	3.3	10.6
2038/ 7	3.2	10.0
2039/ 1	3.1	9.4
2039/ 7	3.0	8.9
2040/ 1	3.0	8.3
2040/ 7	2.9	7.8
2041/ 1	2.8	7.3
2041/ 7	2.7	6.8
2042/ 1	2.7	6.3
2042/ 7	3	5.8
2043/ 1	3	5.3
2043/ 7	2	4.9
2044/ 1	2	4.4
2044/ 7	2	4.0
2045/ 1	2	3.6
2045/ 7	2	3.2
2046/ 1	2	2.8
2046/ 7	2	2.4

SEMU DRINKARD #96
Gas Production Forecast
Remaining

DATE	Mscf/d	Reserves (MMscf)
2024/ 1	8.5	44.0
2024/ 7	8.3	42.5
2025/ 1	8.1	40.9
2025/ 7	7.9	39.5
2026/ 1	7.7	38.1
2026/ 7	7.5	36.7
2027/ 1	7.3	35.3
2027/ 7	7.1	34.0
2028/ 1	6.9	32.8
2028/ 7	6.7	31.5
2029/ 1	6.6	30.3
2029/ 7	6.4	29.1
2030/ 1	6.2	28.0
2030/ 7	6.1	26.9
2031/ 1	5.9	25.8
2031/ 7	5.8	24.7
2032/ 1	5.6	23.7
2032/ 7	5.5	22.7
2033/ 1	5.3	21.7
2033/ 7	5.2	20.7
2034/ 1	5.0	19.8
2034/ 7	4.9	18.9
2035/ 1	4.8	18.0
2035/ 7	4.7	17.1
2036/ 1	4.5	16.3
2036/ 7	4.4	15.5
2037/ 1	4.3	14.7
2037/ 7	4.2	13.9
2038/ 1	4.1	13.2
2038/ 7	4.0	12.4
2039/ 1	3.9	11.7
2039/ 7	3.8	11.0
2040/ 1	3.7	10.3
2040/ 7	3.6	9.7
2041/ 1	3.5	9.0
2041/ 7	3.4	8.4
2042/ 1	3.3	7.8
2042/ 7	3.2	7.2
2043/ 1	3.1	6.6
2043/ 7	3.1	6.1
2044/ 1	3.0	5.5
2044/ 7	2.9	5.0
2045/ 1	2.8	4.5
2045/ 7	2.8	4.0
2046/ 1	2.7	3.5
2046/ 7	2.6	3.0



SEMURINKARD #96		
Oil Production Forecast		
DATE	BOPD	Remaining Reserves (Mbbls)
2048/ 7	2	0.9
2049/ 1	2	0.6
2049/ 7	2	0.3
2049/12	2	0

SEMURINKARD #96		
Gas Production Forecast		
DATE	Mscf/d	Remaining Reserves (MMscf)
2048/ 7	2.4	1.2
2049/ 1	2.3	0.7
2049/ 7	2.2	0.3
2049/12	2.2	0

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd. Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994
instructions on back

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-25100		2 Pool Code 47090		3 Pool Name Monument Tubbs	
4 Property Code 003079-3085		5 Property Name SEMU Tubbs			6 Well Number #96
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3524'

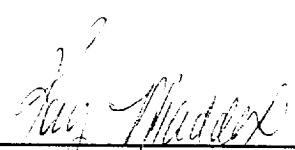
10 Surface Location

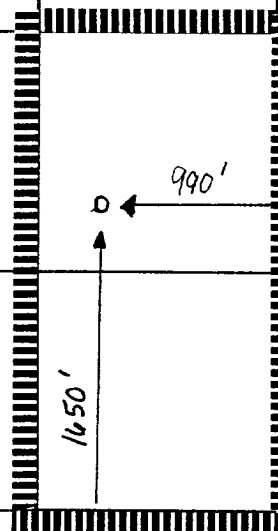
UL or lot no. I	Section 23	Township 20S	Range 37E	Lot Idn	Feet from the 1650'	North/South line South	Feet from the 990'	East/West line East	County Lea
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11 Bottom Hole Location If Different From Surface

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 80	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 Printed Name Regulatory Agent Title February 1, 2000 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. Date of Survey Signature and Seal of Professional Surveyor: Certificate Number		



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Revised February 21, 1994
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☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-25100		2 Pool Code 63480		3 Pool Name Weir Drinkard	
4 Property Code 003079		5 Property Name SEMU <i>Drinking</i>			6 Well Number #96
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 3524'

10 Surface Location

UL or lot no. I	Section 23	Township 20S	Range 37E	Lot Idn	Feet from the 1650'	North/South line South	Feet from the 990'	East/West line East	County Lea
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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 40		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: Kay Maddox						
Printed Name: Regulatory Agent						
Title: February 1, 2000						
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.						
Date of Survey						
Signature and Seal of Professional Surveyor:						
Certificate Number						

SEMU # 96
Section 23, T-20-S, R-37-E, I
API # 30-025-25100
1650' FSL & 990' FEL
Lea County, NM

Application for Downhole Commingling C-107A

Notification of Offset Operators:

Conoco, Inc. is the only offset operator.