

DHC

6/10/96

SouthernRockiesBusinessUnit

May 8, 1996

Mr. William J. LeMay, Director  
New Mexico Oil Conservation Division  
2040 S. Pacheco Street  
P. O. Box 6429  
Santa Fe, NM 87505

**Application for Exception to Rule 303-C - Downhole Commingling**  
**Schwerdtfeger A #5 Well**  
**Unit O Section 6-T27N-R8W**  
**Blanco Mesaverde, Otero Chacra and Basin Dakota Pools**  
**San Juan County, New Mexico**

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Should there be questions concerning this matter, please contact me at (303) 830-5344.

Sincerely,

  
Pamela W. Staley

## Enclosures

cc: Mark Rothenberg  
Patty Haeefe  
Wellfile  
Proration File  
Frank Chavez, Supervisor  
NMOCD District III  
1000 Rio Brazos Road  
Aztec, NM 87410

Duane Spencer  
Bureau of Land Management  
1235 La Plata Hwy.  
Farmington, NM 87401

NEED  
DATA ON  
SUPPORTING  
OFFICERS.  
7.17.96

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

OIL CONSERVATION DIVISION

APPROVAL PROCESS:

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

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

☒ Administrative ☐ Hearing

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

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE  
☒ YES ☐ NO

Amoco Production Company		P.O. Box 800 Denver, CO 80201	
Operator	Address	County	
Schwerdtfeger A	5	San Juan	
Lease	Well No.	Unit Ltr. - Sec Twp - Rge	

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 000778 Property Code 001031 API NO. 3004511888 Federal ☒ State (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	OTERO CHACRA 82329	BLANCO MESAVERDE 72319	BASIN DAKOTA 71599
2. Top and Bottom of Pay Section (Perforations)	3868' - 3895 '	4920' - 5526'	7303' - 7493'
3. Type of production (Oil or Gas)	GAS	GAS	GAS
4. Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING
5. Bottomhole Pressure	(Current) a. 520 PSI (EST)	a. 595 PSI (EST)	a. 467 PSI
Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) b. 1021 PSI (EST)	b. 1226 PSI (EST)	b. 2503 PSI
6. Oil Gravity (° API) or Gas BTU Content	1150 BTU	1190 BTU / 49 DEG API	1186 BTU / 59 DEG API
7. Producing or Shut-In?	PRODUCING	PRODUCING	PRODUCING
Production Marginal? (yes or no)	YES	YES	YES
• If Shut-In, give data and oil/gas/water rates of last production	Date: Rates:	Date: Rates:	Date: Rates:
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data			
• If Producing, give date and oil/gas/water rates of recent test (within 60 days)	Date: Rates: (EST) 22 MCFD 0 BCPD 0 BWPD	Date: Rates: (EST) 52 MCFD 0.5 BCPD 0 BWPD	Date: Rates: 4/96 70 MCFD 2.0 BCPD 0 BWPD
8. Fixed Percentage Allocation Formula -% for each zone	Oil: 0 % Gas 15 %	Oil: 20 % Gas 36 %	Oil: 80 % Gas 49 %

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 other? ☒ 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 SF-079319

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 Pamela W. Staley TITLE REGULATORY AFFAIRS REP DATE 5/7/96  
TYPE OR PRINT NAME PAMELA W. STALEY TELEPHONE NO. ( 303 ) 830-5344

District I  
PO Box 10, Hobbs, NM 88241-1980  
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

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-102  
Revised October 18, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

RECEIVED  
MAIL ROOM  
55 FEB 20 PM 1:18

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 3004511888		Pool Code 82329	Pool Name Otero Chacra
Property Code 1031	Property Name Schwerdtfeger A		Well Number 5
OGRID No. 000778	Operator Name Amoco Production Company		Elevation 6760'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	27N	8W		1190	South	1530	East	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
Dedicated Acres 160		Joint or Infill		Consolidation Code		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>Patty Haefele</u> Patty Haefele Printed Name Staff Assistant Title Date <u>2/8/96</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.  <u>12-3-65</u> Date of Survey Signature and Seal of Professional Surveyer:  on file  <u>2463</u> Certificate Number

District I  
PO Box 1980, Hobbs, NM 88241-1980

District II  
811 South First, Artesia, NM 88210

District III  
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 October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

96 FEB 20 PM 1:18

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

' API Number 3004511888	' Pool Code 72319	' Pool Name Blanco Mesaverde
' Property Code 1031	' Property Name Schwerdtfeger A	' Well Number 5
' OGRID No. 000778	' Operator Name Amoco Production Company	' Elevation 6760'

<sup>10</sup> Surface Location

UL or lot no. 0	Section 6	Township 27N	Range 8W	Lot Idn	Feet from the 1190	North/South line South	Feet from the 1530	East/West line East	County San Juan
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<sup>11</sup> 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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<sup>12</sup> Dedicated Acres 320.08	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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				<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <u>Patty Haeefe</u> Patty Haeefe Printed Name Staff Assistant Title 2/8/96 Date
				<sup>18</sup> 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. 12-3-65 Date of Survey Signature and Seal of Professional Surveyer: on file Certificate Number 2463
			1530'	
		1190'		

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION AT

Form O-114  
Supersedes O-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator <b>TENNECO OIL COMPANY</b>		Lease <b>SCHWERTFEGER "A"</b>		Well No. <b>5</b>
Unit Letter <b>X 0</b>	Section <b>6</b>	Township <b>27 North</b>	Range <b>8 West</b>	County <b>San Juan</b>
Actual Footage Location of Well: <b>1190</b> feet from the <b>South</b> line and <b>1530</b> feet from the <b>East</b> line				
Ground Level Elev. <b>6760 ungraded</b>	Producing Formation <b>Basin Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320.84</b>	<b>E/2</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

**CERTIFICATION**

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

*Harold C. Nichols*

Name **Harold C. Nichols**  
Position **Sr. Production Clerk**  
Company **Tenneco Oil Company**  
Date **December 6, 1965**

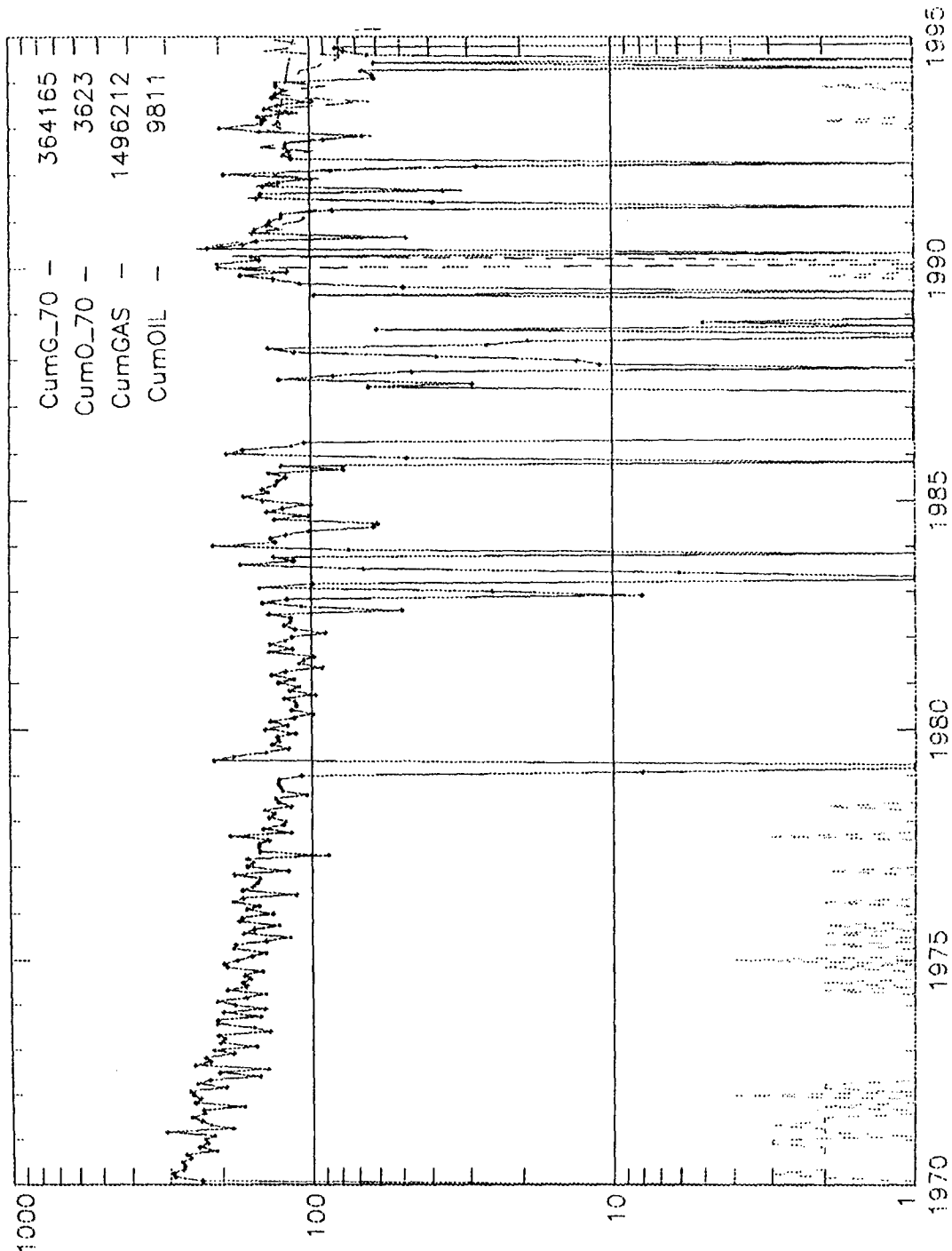
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**3 December 1965**

*Robert H. Ernst*  
ROBERT H. ERNST

Engr: zrar06

SCHWERTFEGER A 5  
300451188800DK 0062708-005 DK Operator- AMOCO PRODUCTION CO  
APC\_WI - 1.0000000



**OFFSET WELLS USED TO ESTIMATE PRODUCTION ALLOCATIONS**

**MESAVERDE OFFSETS**

Schwerdtfeger A LS #11	G-6-27-8	37 MCFD	0.5 BOPD
Schwerdtfeger A LS #12	N-6-27-8	67 MCFD	0.5 BOPD

Average		52 MCFD	0. 5 BOPD
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**CHACRA OFFSETS**

Blanco #25	E-12-27-9	34 MCFD	0 BOPD
Schwerdtfeger A LS A1	C-36-28-9	10 MCFD	0 BOPD

Average		22 MCFD	0 BOPD
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**OFFSET OPERATORS**  
**Schwerdtfeger A5**

Meridian Oil, Inc.  
P.O. Box 4289  
Farmington, NM 87499