

DATE IN 3/6/98	SUSPENSE 3/26/98	ENGINEER DC	LOGGED BY KW	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

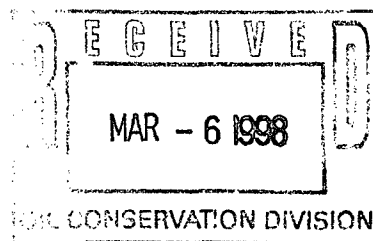
1884

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]



#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling

☐ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] and [C]

[B] Commingling - Storage - Measurement

☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

#### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

#### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

Kay Maddox  
Print or Type Name

Kay Maddox  
Signature

Regulatory Agent  
Title

3/3/98  
Date

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 Southl 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

Jackson COM 1E Section 8, T-28-N, R-9-W, I San Juan  
Lease Well No Unit Ltr Sec Twp Rge County

OGRID NO. 005073 Property Code API NO. 30-045-25592 Spacing Unit Lease Types: (check 1 or more)  
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	Blanco Meaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4580-5550'		7272-7335'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottomhole Pressure	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	563		715
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1175		2423
6. Oil Gravity (°API) or Gas BT Content	1335		1268
7. Producing or Shut-In?	To be completed		Producing
Production Marginal? (yes or no)	Yes		Yes
• If Shut-In give date 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, date and oil/gas/ water rates of recent test (within 60 days)	Date Rates Production Allocated by Subtraction - - See attached Table	Date Rates	Date Rates Est 1/98 56 MCFD, 1.15 BOPD, 0 BWPD
8. Fixed Percentage Allocation Formula -% or 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

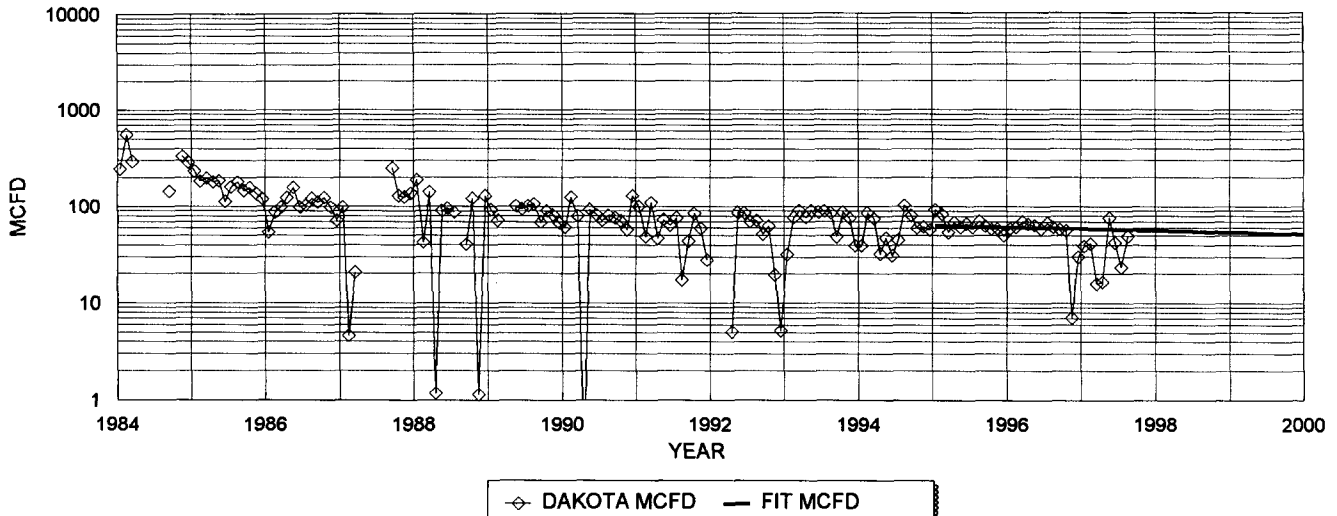
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support 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 Mar 3, 98

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

**JACKSON COM 1E DAKOTA PRODUCTION**  
SECTION 8I-28N-09W



**DAKOTA HISTORICAL DATA: 1ST PROD: 11/81**

OIL CUM: 8.28 MBO  
GAS CUM: 400.6 MMCF  
CUM OIL YIELD: 0.0207 BBL/MCF  
OIL YIELD: 0.0000 BBL/MCF, LAST 3 YRS  
AVG. USED: 0.0103 BBL/MCF

**DAKOTA PROJECTED DATA**

1/1/98 Q1: 56 MCFD  
DECLINE RATE: 4.0% (EXPONENTIAL)

**PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION**

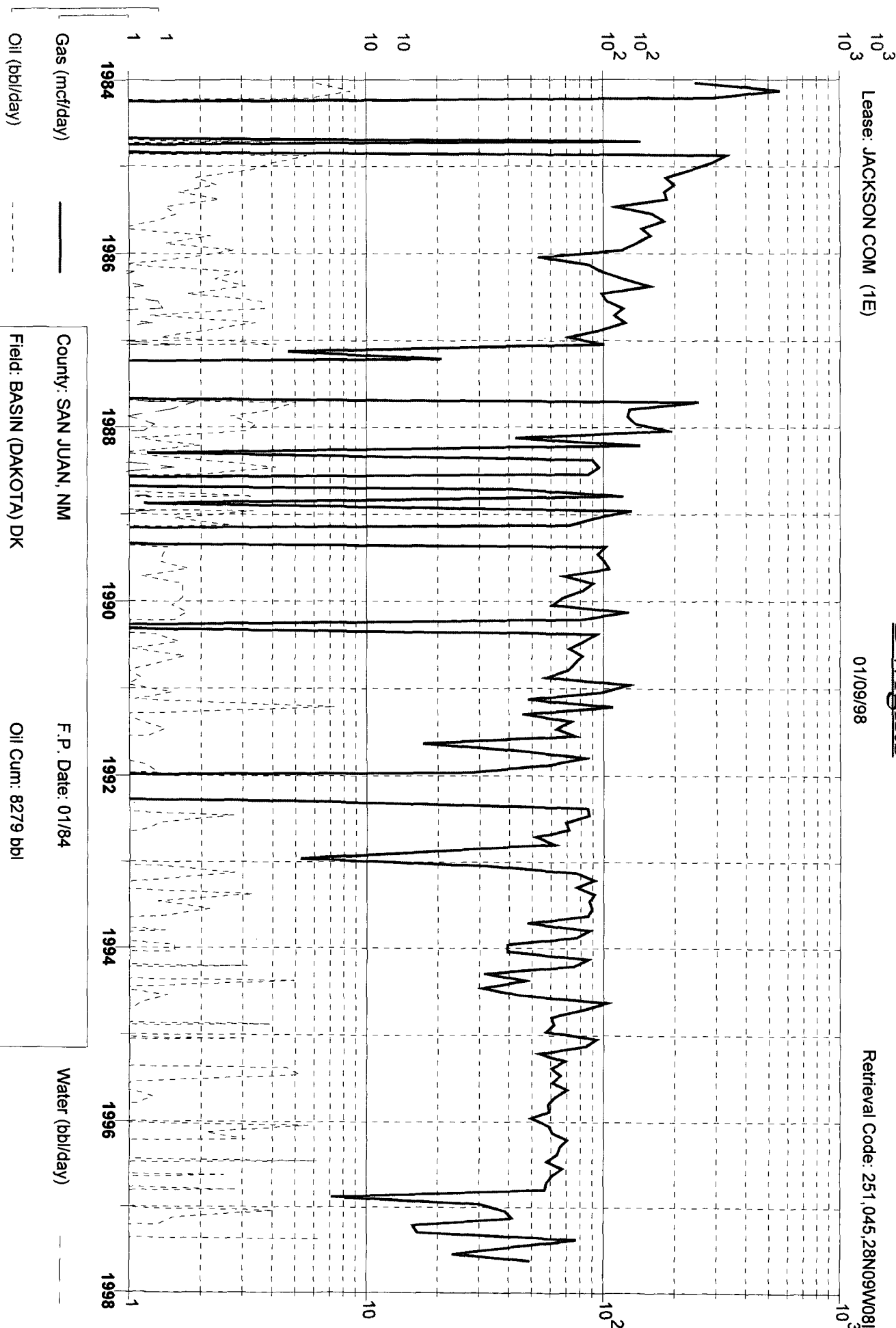
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	55.0	0.6
1999	52.8	0.5
2000	50.7	0.5
2001	48.6	0.5
2002	46.7	0.5
2003	44.8	0.5
2004	43.0	0.4
2005	41.3	0.4
2006	39.7	0.4
2007	38.1	0.4
2008	36.5	0.4
2009	35.1	0.4
2010	33.7	0.3
2011	32.3	0.3
2012	31.0	0.3
2013	29.8	0.3
2014	28.6	0.3
2015	27.5	0.3
2016	26.4	0.3
2017	25.3	0.3
2018	24.3	0.3
2019	23.3	0.2
2020	22.4	0.2
2021	21.5	0.2
2022	20.6	0.2
2023	19.8	0.2
2024	19.0	0.2
2025	18.3	0.2
2026	17.5	0.2
2027	16.8	0.2
2028	16.2	0.2
2029	15.5	0.2
2030	14.9	0.2
2031	14.3	0.1
2032	13.7	0.1

# Dwights

Lease: JACKSON COM (1E)

01/09/98

Retrieval Code: 251,045,28N09W08100DK



Gas (mcf/day)

Oil (bbl/day)

Water (bbl/day)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 01/84

Oil Cum: 8279 bbl

Gas Cum: 400.6 mmmcf

Location: 81 28N 9W

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

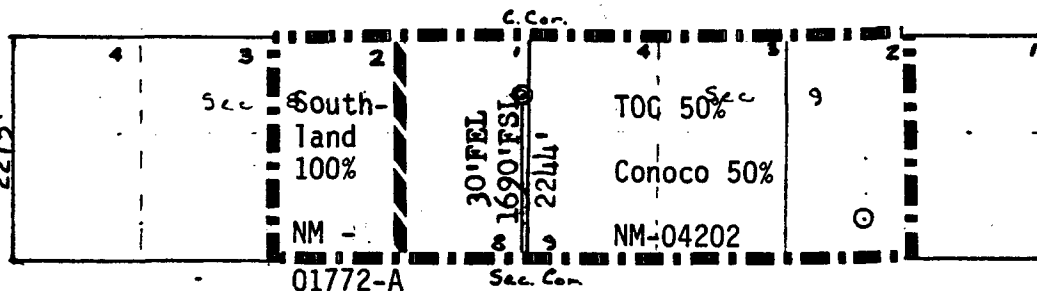
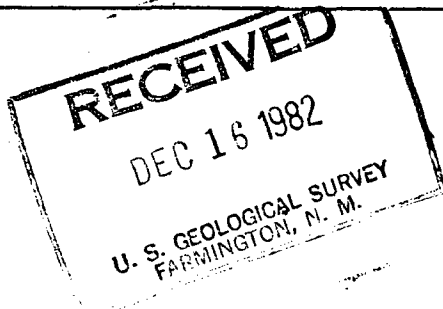
Operator <b>TENNECO OIL COMPANY</b>			Lease <b>JACKSON COM</b>		Well No. <b>1E</b>
Unit Letter <b>I (Lot #1)</b>	Section <b>8</b>	Township <b>28N</b>	Range <b>9W</b>	County <b>San Juan</b>	
Actual Footage Location of Well:					
<b>1690</b>		feet from the <b>South</b>	line and <b>30</b>	feet from the <b>East</b>	line
Ground Level Elev: <b>6602</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>340.52</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 Communitized

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.



Scale: 1"=2000'

**CERTIFICATION**

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

*Ken Russell*

Name

**Ken Russell**

Position

**Sr. Production Analyst**

Company

**Tenneco Oil Co.**

Date

**September 20, 1982**

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.

Date Surveyed

**August 12, 1982**

Registered Professional Engineer and Land Surveyor

*Frederick B. Terry*

Certificate

**18105 ONV 03436**

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

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 30-045-25592		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Jackson Com			6 Well Number 1E
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 6602'

## 10 Surface Location

UL or lot no. I	Section 8	Township 28N	Range 9W	Lot Idn	Feet from the 1690	North/South line South	Feet from the 30	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 273.92 340.2	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

4	3	2	1
SECTION 8			
Nm 01772-A		Nm 04202	
1690'			

## 17 OPERATOR CERTIFICATION

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

*Kay Maddox*  
Signature

Kay Maddox  
Printed Name

Regulatory Agent  
Title

February 23, 1998  
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



**Mid-Continent Region**  
Exploration/Production

**Conoco Inc.**  
10 Desta Drive, Suite 100W  
Midland, TX 79705-4500  
(915) 686-5400

Conoco, Inc.  
Jackson Com #1E  
Section 8, T-28-N, R-9-W, I  
San Juan County, NM  
API # 30-045-25592

RE: Downhole Commingle Application C-107A

**Offset Operators:**

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

Amoco  
PO Box 800  
Denver, CO 80201

S&G Interests  
1331 Lamar Street STE 501  
Houston, TX 77010

West Largo Corp.  
6638 W. Ottawa Ave STE 100  
Littleton, CO 80123

Koch Exploration  
PO Box 2256  
Wichita, Ks 67201