

DATE IN 2/20/98	SUSPENSE 3/12/98	ENGINEER DC	LOGGED BY MV	TYPE DHC
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ABOVE THIS LINE FOR DIVISION USE ONLY

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1849

## 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

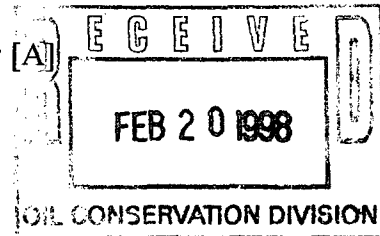
Check One Only for [B] and [C]

[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

2/18/98  
 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 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

Operator Conoco Inc. Address 10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

Lease Daum LS Well No 6 Unit Ltr Sec Twp Rge Section 32, T-28-N, R-9-W, D County San Juan

OGRID NO. 005073 Property Code \_\_\_\_\_ API NO. 30-045-07054 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 Mesaverde 72319		Basin Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4112-4712'		6406-6682'
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	528		717
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1152		2355
6. Oil Gravity (°API) or Gas BT Content	1240		1246
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 to be allocated by subtraction - See Attached table	Date Rates	Date Rates Est 1/98 62 MCFD, 7 BOPD, 0 BWPD
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

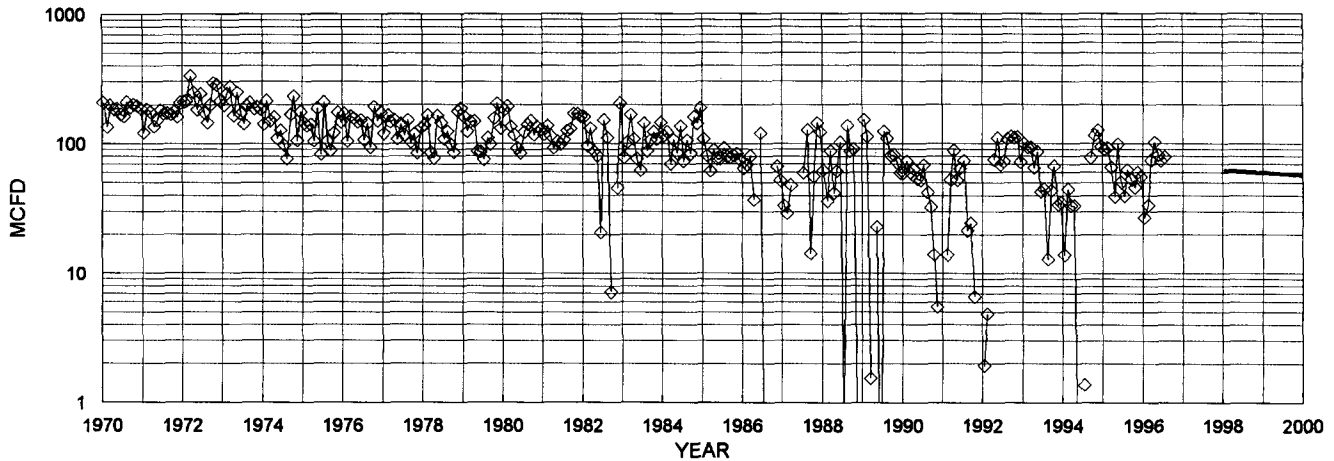
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support 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 February 18, 1998

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

**DAUM LS 6 DAKOTA PRODUCTION  
SECTION 32D-28N-09W**



◇ DAKOTA MCFD    — FIT MCFD

DAKOTA HISTORICAL DATA:		1ST PROD: 11/61	PROJECTED DATA	
OIL CUM:	25.28	MBO	1/1/98 Qi:	62 MCFD
GAS CUM:	2110.0	MMCF	DECLINE RATE:	4.1% (EXPONENTIAL)
CUM OIL YIELD:	0.0120	BBL/MCF		
OIL YIELD:	0.0111	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0116	BBL/MCF		

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	61.2	0.71
1997	58.6	0.68
1998	56.2	0.65
1999	53.9	0.62
2000	51.7	0.60
2001	49.6	0.57
2002	47.6	0.55
2003	45.6	0.53
2004	43.7	0.51
2005	42.0	0.49
2006	40.2	0.47
2007	38.6	0.45
2008	37.0	0.43
2009	35.5	0.41
2010	34.0	0.39
2011	32.6	0.38
2012	31.3	0.36
2013	30.0	0.35
2014	28.8	0.33
2015	27.6	0.32
2016	26.5	0.31
2017	25.4	0.29
2018	24.3	0.28
2019	23.3	0.27
2020	22.4	0.26
2021	21.5	0.25
2022	20.6	0.24
2023	19.7	0.23
2024	18.9	0.22
2025	18.2	0.21
2026	17.4	0.20
2027	16.7	0.19
2028	16.0	0.19
2029	15.4	0.18
2030	14.7	0.17

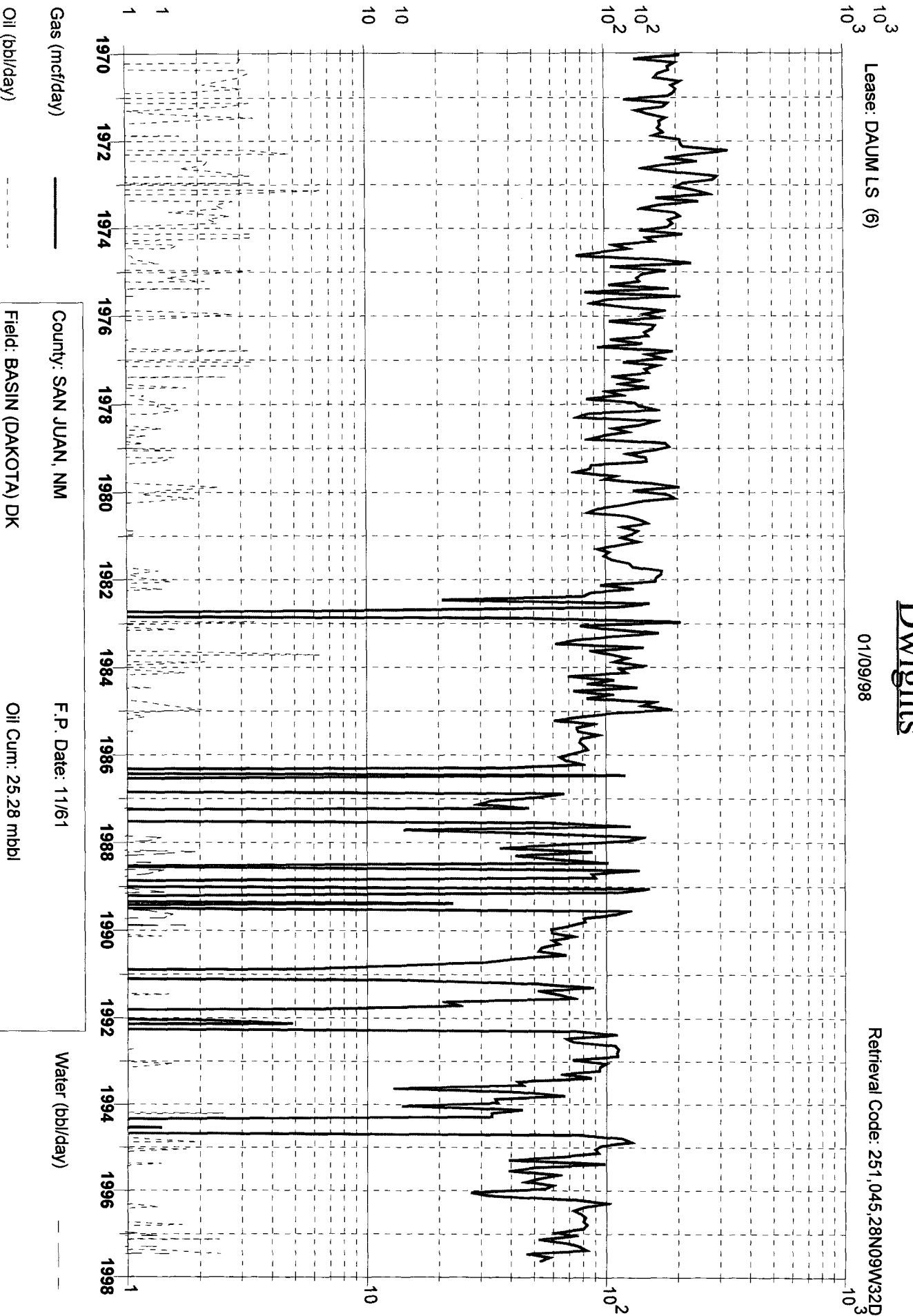
PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

# Dwights

Lease: DAUM LS (6)

01/09/98

Retrieval Code: 251,045,28N09W32D00DK



County: SAN JUAN, NM

F.P. Date: 11/61

Field: BASIN (DAKOTA) DK

Oil Cum: 25.28 mbbl

Reservoir: DAKOTA

Gas Cum: 2110 mmcf

Operator: AMOCO PRODUCTION CO

Location: 32D 28N 9W

## Well Location and Acreage Dedication Plat

## Section A.

Date JULY 3, 1961

Operator EL PASO NATURAL GAS COMPANY Lease DAUM SF 078329  
 Well No. 6 Unit Letter D Section 32 Township 28-N Range 9-W NMPM  
 Located 1150 Feet From NORTH Line, 800 Feet From WEST Line  
 County SAN JUAN G. L. Elevation 6019 Dedicated Acreage 320 Acres  
 Name of Producing Formation DAKOTA Pool BASIN DAKOTA

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below?  
 Yes ☒ No ☐
2. If the answer to question one is "no", have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☐ No ☐ If answer is "yes", Type of Consolidation.
3. If the answer to question two is "no", list all the owners and their respective interests below:

Owner

Land Description

## Section B.

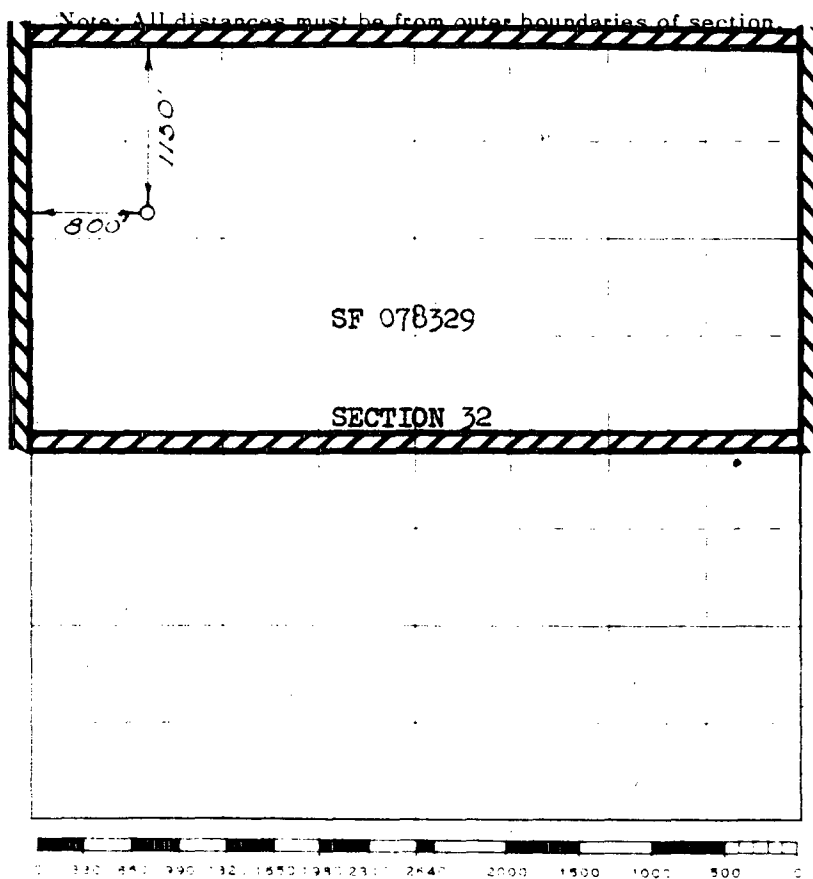
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company  
 (Operator)

Original Signed D. W. Meehan  
 (Representative)

Box 150  
 (Address)

Farmington, New Mexico



Scale 1 inch equals 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Date Surveyed JUNE 14, 1961

Farmington, New Mexico

C. O. Walker  
 Registered Professional Engineer and/or Land Surveyor

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 30-045-07054		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Daum LS			6 Well Number #6
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 4029' 3525'

## 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
D	32	28N	9W		1150	North	800	West	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.
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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


## 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 18, 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

RE: Downhole Commingle Application C-107A  
Daum LS #6  
Section 32, T-28-N, R-9-W, D  
API # 30-045-07054  
San Juan County, New Mexico

**Offset Operators:**

Burlington Resources  
PO Box 4289  
Farmington, New Mexico 87499

S&G Interests  
811 Dallas STE 1505  
Houston, TX 77002

Richardson Operating  
1700 Lincoln St STE 1700  
Denver, CO 80203