

DATE IN <u>3/2/98</u>	SUSPENSE <u>3/23/98</u>	ENGINEER <u>DC</u>	LOGGED BY <u>NW</u>	TYPE <u>DHC</u>
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1888

### 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

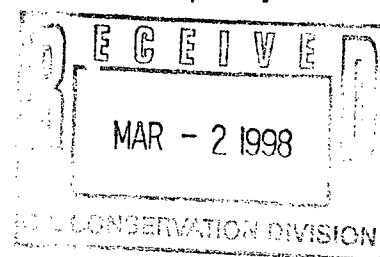
Check One Only for [B] and [C]

[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

2/24/98  
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 Storey COM C Well No 4E Unit Ltr Sec Twp Rge Section 15, T-28-N, R-9-W, G County San Juan

OGRID NO. 005073 Property Code                      API NO. 30-045-24685 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)	4133-4698'		6626-6823'
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	Date Rates	Date Rates
	Production to be allocated by Subtraction - See attached table		Est 1/98 56 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? X 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? X Yes      No

11. Will cross-flow occur? X 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. X Yes      No (If No, attach explanation)

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

13. Will the value of production be decreased by commingling?      Yes X 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. X Yes      No

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

16. ATTACHMENTS

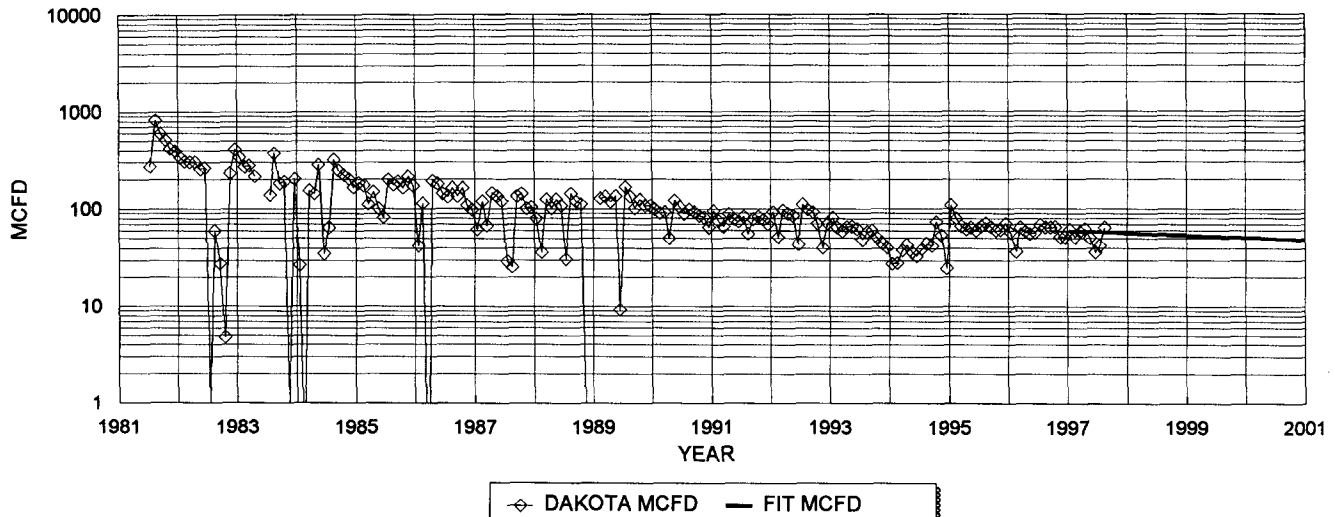
- \* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- \* Production curve for each zone for at least one year. (If not available, attach explanation.)
- \* For zones with no production history, estimated production rates and supporting data.
- \* Data to support 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 2/24/98

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

**STOREY COM C #4E DAKOTA PRODUCTION**  
**SECTION 15G-28N-09W**



DAKOTA HISTORICAL DATA:		1ST PROD: 07/81	DAKOTA PROJECTED DATA	
OIL CUM:	9.04	MBO	1/1/98 Qi:	56 MCFD
GAS CUM:	686.1	MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
CUM OIL YIELD:	0.0132	BBL/MCF		
OIL YIELD:	0.0101	BBL/MCF, LAST 3 YRS		
AVG. USED:	0.0116	BBL/MCF		

**PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION**

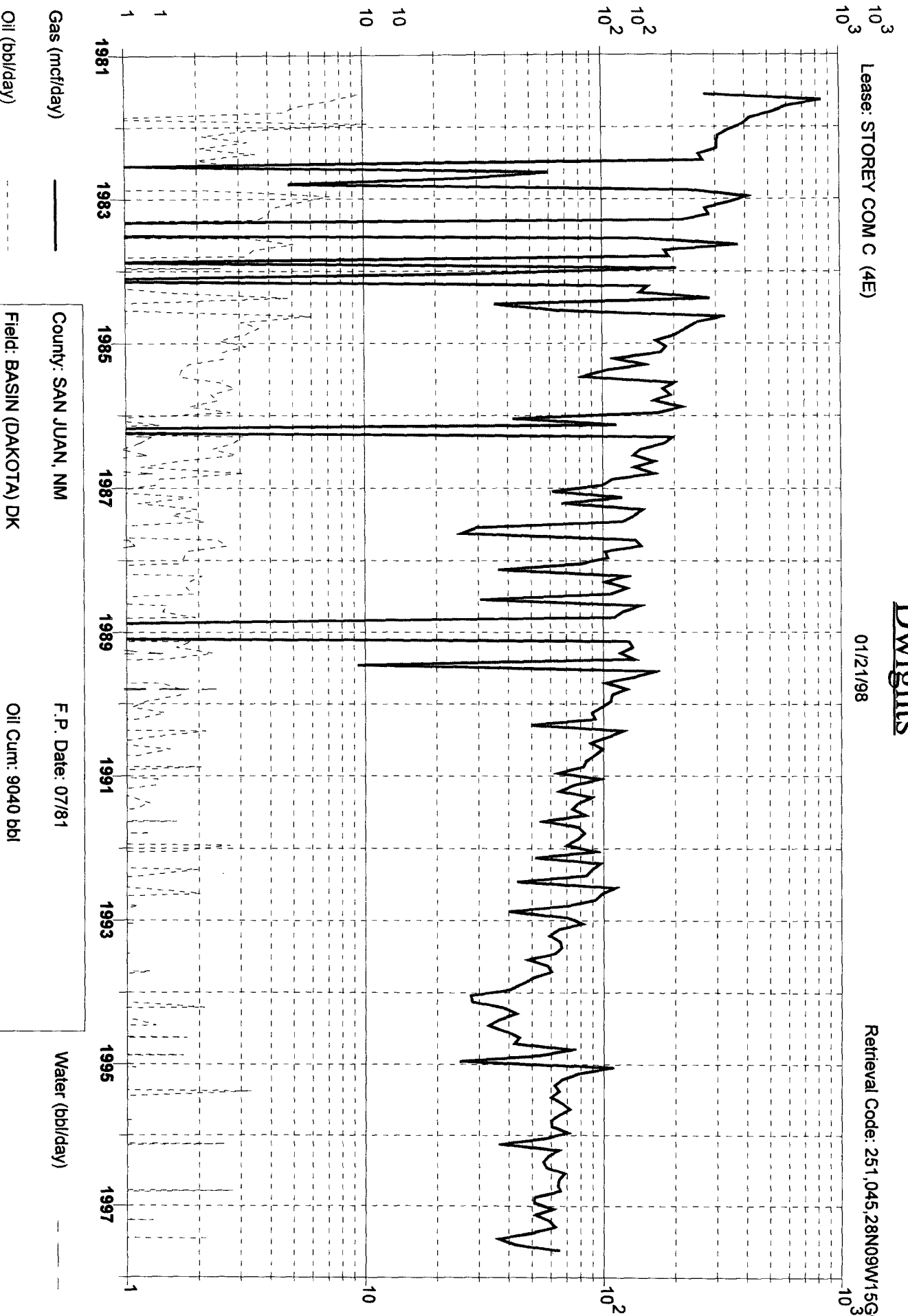
YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1998	54.7	0.6
1999	52.0	0.6
2000	49.4	0.6
2001	46.9	0.5
2002	44.6	0.5
2003	42.3	0.5
2004	40.2	0.5
2005	38.2	0.4
2006	36.3	0.4
2007	34.5	0.4
2008	32.8	0.4
2009	31.1	0.4
2010	29.6	0.3
2011	28.1	0.3
2012	26.7	0.3
2013	25.3	0.3
2014	24.1	0.3
2015	22.9	0.3
2016	21.7	0.3
2017	20.6	0.2
2018	19.6	0.2
2019	18.6	0.2
2020	17.7	0.2
2021	16.8	0.2
2022	16.0	0.2
2023	15.2	0.2
2024	14.4	0.2
2025	13.7	0.2
2026	13.0	0.2
2027	12.4	0.1
2028	11.7	0.1
2029	11.2	0.1
2030	10.6	0.1
2031	10.1	0.1
2032	9.6	0.1

# Dwights

01/21/98

Retrieval Code: 251,045,28N09W15G00DK

Lease: STOREY COM C (4E)



Gas (mcf/day)

Oil (bbl/day)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 07/81

Oil Cum: 9040 bbl

Gas Cum: 686.1 mmcf

Location: 15G 28N 9W

Water (bbl/day)

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 30-045-24685		2 Pool Code 72319		3 Pool Name Blanco Mesaverde	
4 Property Code		5 Property Name Storey COM C			6 Well Number # 4E
7 OGRID No. 005073		8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500			9 Elevation 5918'

## 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
G	15	28N	9W		1790	North	1540'	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

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

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 <i>Kay Maddox</i> Printed Name Kay Maddox Title Regulatory Agent Date 2/24/98	
			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		

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-107

Revised 10-1-78

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

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

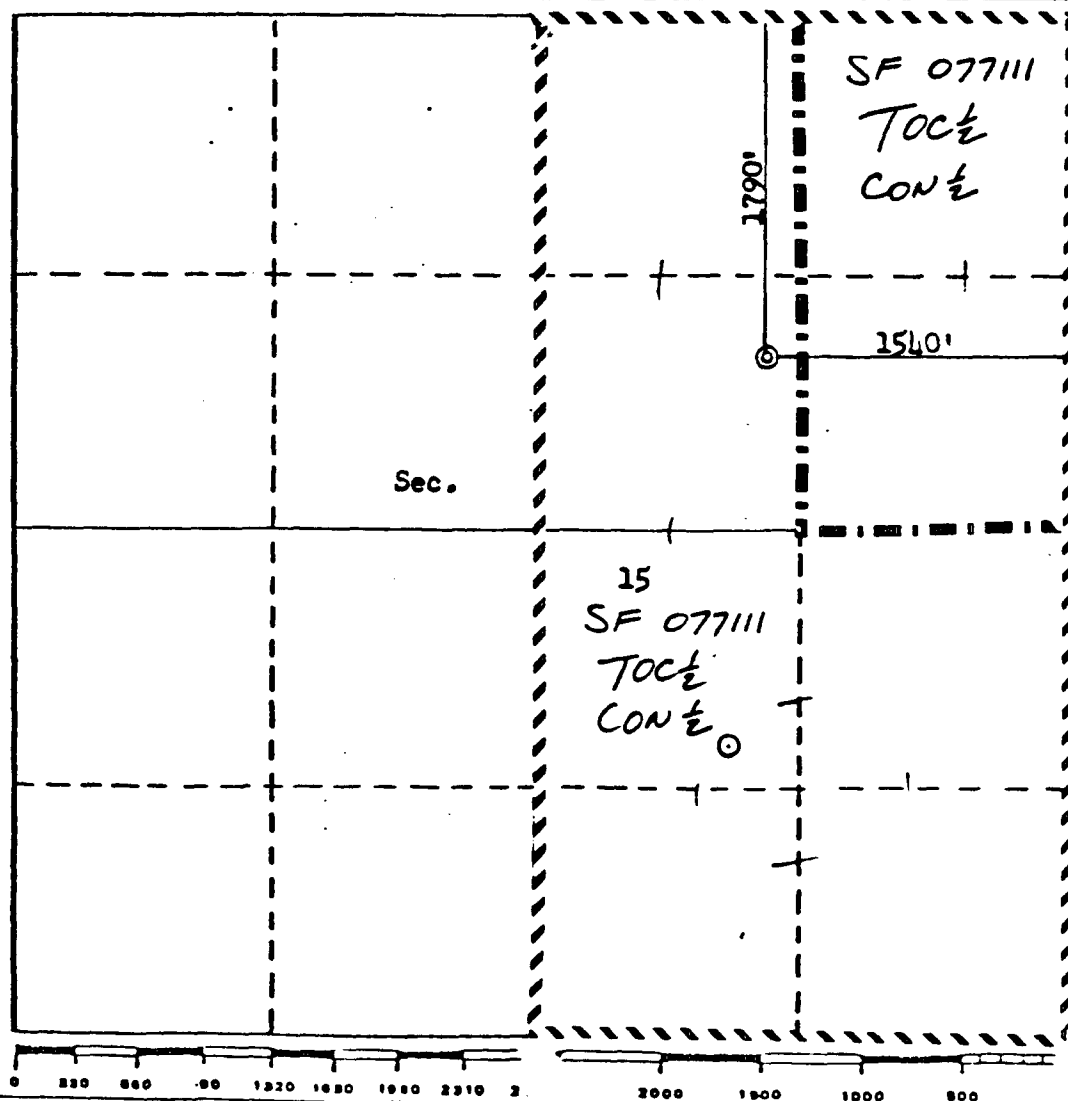
Operator <b>TENNECO OIL COMPANY</b>		Lease <b>STOREY COM C</b>		Well No. <b>4E</b>
Unit Letter <b>0</b>	Section <b>15</b>	Township <b>28N</b>	Range <b>9W</b>	County <b>San Juan</b>
Actual Footage Location of Well:				
<b>1790</b>	feet from the <b>North</b>	line and	<b>1540</b>	feet from the <b>East</b>
Ground Level Elev. <b>5918</b>	Producing Formation <b>Dakota</b>	Pool <b>Basin Dakota</b>	Dedicated Acreage: <b>320</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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.

*R. A. Mishler*

Name **R. A. Mishler**

Position **Sr. Production Analyst**

Company **Tenneco Oil Company**

Date **October 20, 1980**

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 6, 1980**  
 Registered Professional Engineer  
 and/or Land Surveyor

*Fred B. Ketter*  
 Certified **Fred B. Ketter**

3950

Conoco, Inc.  
10 Desta Dr Ste 100W  
Midland, TX 79705

Re: Application to Downhole Commingle C-107A  
Storey COM C #4E, Section 15, T-28-N, R-9-W, G  
San Juan County, New Mexico

**Notification Of Offset Operators:**

Amoco  
PO Box 800  
Denver, CO 80201

Burlington Resources  
PO Box 4289  
Farmington, NM 87499

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

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