

DHC 5/12/97

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88241 1980  
DISTRICT II  
811 South First St. Artesia NM 88210 2835  
DISTRICT III  
1000 Rio Brazos Rd. Aztec, NM 87410 1693

State of New Mexico  
Energy, Minerals and Natural Resources Department  
OIL CONSERVATION DIVISION  
2040 S. Pacheco  
Santa Fe, New Mexico 87505-8429

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

APPROVAL PROCESS:  
 Administrative  Hearing  
EXISTING WELLBORE  
 YES  NO

RECEIVED  
APR 22 1997

APPLICATION FOR DOWNHOLE COMMINGLING

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

Lease San Juan 28-7 Well No 188 Unit Ltr Sec Twp Rge N-26-T28N-R7W County Rio Arriba

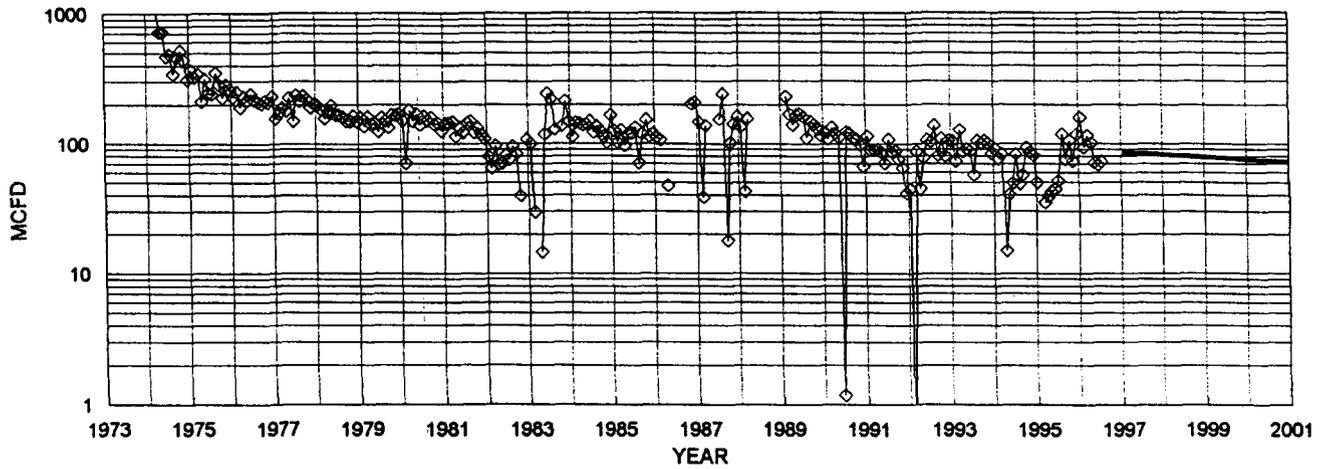
OGRID NO. 005073 Property Code 16608 API NO. 30-039-20769 Spacing Unit Lease Types: (check 1 or more)  
Federal  State  (and/or) Fee

The following facts are submitted in support of downhole commingling:	Upper Zone	Intermediate Zone	Lower Zone
1. Pool Name and Pool Code	Mesa Verde 72319		Dakota 71599
2. TOP and Bottom of Pay Section (Perforations)	4924' - 5626' OA		7547' - 7739'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Expected to be Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Current Measured Current Estimated Or Measured Original	a (Current) 800 psia	a.	a. 720 psia
	b(Original) 1192	b.	b. 2925
6. Oil Gravity (*API) or Gas BT Content	1238		1118
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  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
	Date Rates Incremental Production by Subtraction	Date Rates	Date Rates Mid-Year avg. rates - see table
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   
\* Conoco is offset operator to all San Juan 28-7 Unit wells.
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 Jerry W. Hoover TITLE Sr. Conservation Coord DATE 1/27/97  
TYPE OR PRINT NAME Jerry W. Hoover TELEPHONE NO. (915) 686-6548

**SAN JUAN 28-7 UNIT NO. 188 DAKOTA PRODUCTION  
SECTION 26N-28N-07W**



◇ DAKOTA MCFD    — FIT MCFD

<b>DAKOTA HISTORICAL DATA:</b>	<b>1ST PROD: 3/74</b>	<b>DAKOTA PROJECTED DATA</b>
OIL CUM:	2.18 MBO	1/1/97 Qi: 86 MCFD
GAS CUM:	1123.2 MMCF	DECLINE RATE: 4.1% (EXPONENTIAL)
CUM OIL YIELD	0.0019 BBL/MCF	
OIL YIELD:	0.0011 BBL/MCF, LAST 3 YRS	
AVG. USED:	0.0015 BBL/MCF	

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1996	84	0.1
1997	81	0.1
1998	77	0.1
1999	74	0.1
2000	71	0.1
2001	68	0.1
2002	65	0.1
2003	63	0.1
2004	60	0.1
2005	58	0.1
2006	55	0.1
2007	53	0.1
2008	51	0.1
2009	49	0.1
2010	47	0.1
2011	45	0.1
2012	43	0.1
2013	41	0.1
2014	40	0.1
2015	38	0.1
2016	36	0.1
2017	35	0.1
2018	33	0.1
2019	32	0.0
2020	31	0.0
2021	30	0.0
2022	28	0.0
2023	27	0.0
2024	26	0.0
2025	25	0.0
2026	24	0.0
2027	23	0.0
2028	22	0.0
2029	21	0.0
2030	20	0.0

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

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.

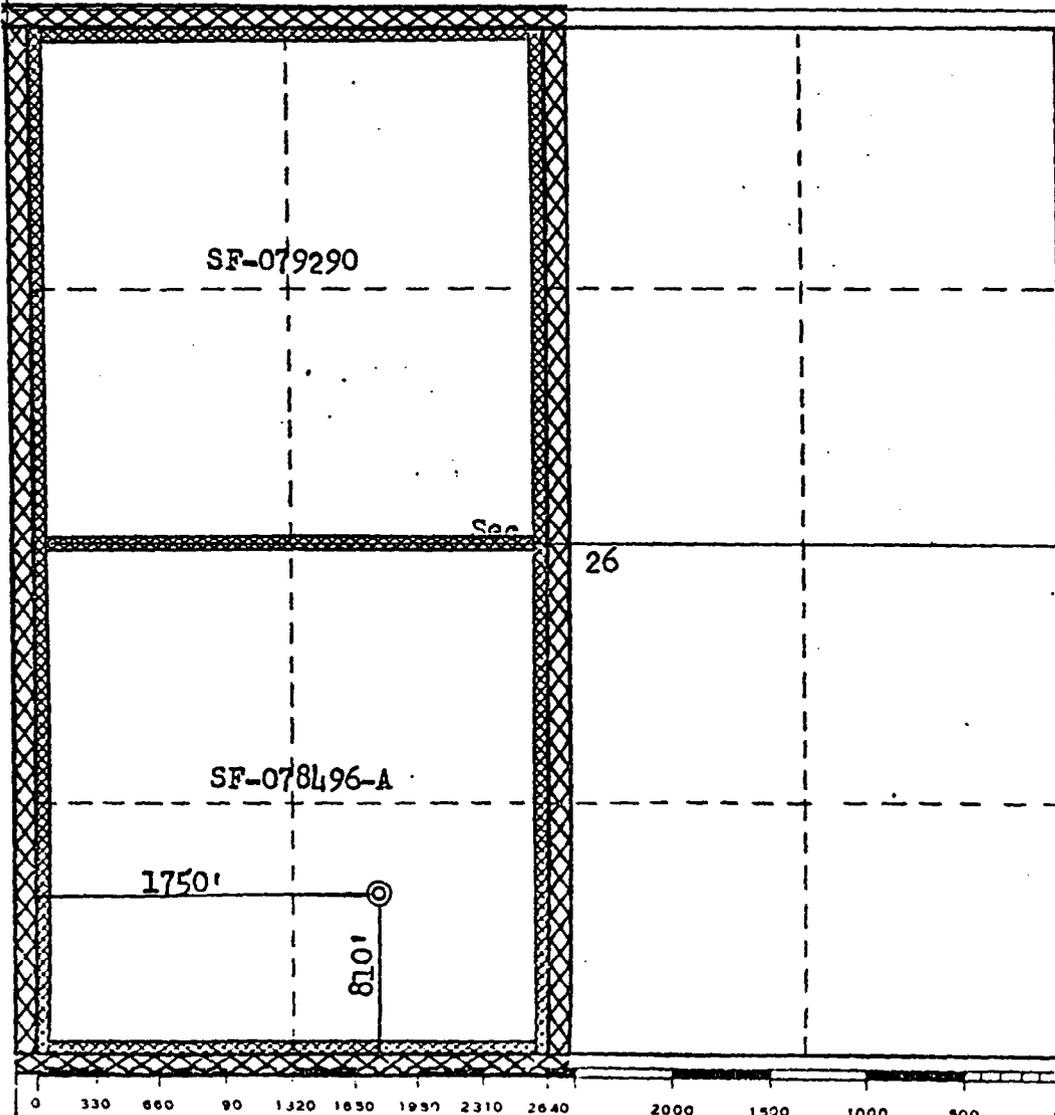
Operator <b>El Paso Natural Gas Company</b>			Lease <b>San Juan 28-7 Unit (SF-078496-A)</b>			Well No. <b>188</b>		
Unit Letter <b>N</b>	Section <b>26</b>	Township <b>28N</b>	Range <b>7W</b>	County <b>Rio Arriba</b>				
Actual Footage Location of Well: <b>810</b> feet from the <b>South</b> line and <b>1750</b> feet from the <b>West</b> line								
Ground Level Elev. <b>6625</b>		Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>			Dedicated Acreage: <b>320.00</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 **Unitization**

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.*  
 Original Signed by  
**D. G. Brisco**

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Name \_\_\_\_\_  
**Drilling Clerk**  
 Position  
**El Paso Natural Gas Co.**  
 Company  
**August 23, 1973**  
 Date

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*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.*

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Date Surveyed  
**July 28, 1973**

Registered Professional Engineer  
 and/or Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

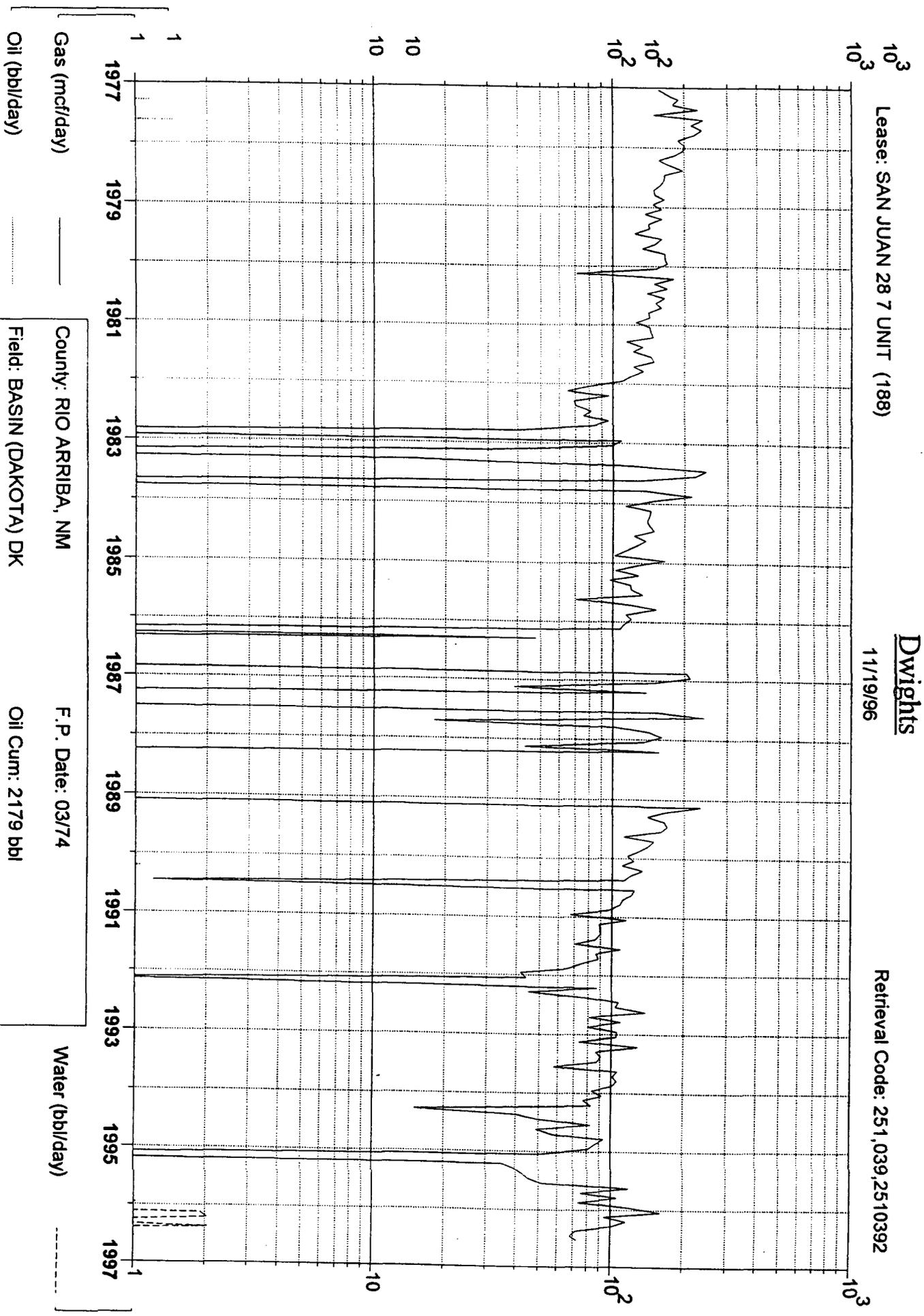
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Certificate No.  
**3950**

Lease: SAN JUAN 28 7 UNIT (188)

Dwights  
11/19/96

Retrieval Code: 251,039,2510392



County: RIO ARRIBA, NM

F.P. Date: 03/74

Field: BASIN (DAKOTA) DK

Oil Cum: 2179 bbl

Reservoir: DAKOTA

Gas Cum: 1123 mmcf

Operator: CONOCO INC

Location: 26N 28N 7W

Water (bbl/day)