

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 87505-6429

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

APPROVAL PROCESS:

☒ Administrative ☐ Hearing

EXISTING WELLBORE

☒ YES ☐ NO

APPLICATION FOR DOWNHOLE COMMINGLING

Conoco Inc.

10 Desta Dr. Ste 100W, Midland, Tx. 79705-4500

San Juan 28-7

191E

A-33-T28N-R7W

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rgs

County

OGRID NO. 005073

Property Code

16608

API NO.

30-039-23753

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)	4282' - 5166' OA		6898' - 7164'
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	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	800 psia		621 psia
Gas & Oil - Flowing: Measured Current	b(Original)	b.	b.
All Gas Zones: Estimated Or Measured Original	1192		2925
6. Oil Gravity (*API) or Gas BT Content	1293		1160
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 Incremental Production by Subtraction	Date Rates	Date Rates Mid-Year avg. rates - see table
8. Fixed Percentage Allocation Formula - % for each zone	% Gas %	% Gas %	% 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. NMOC Reference Cases for Rule 303(D) Exceptions:

ORDER NO(S).

16. ATTACHMENTS

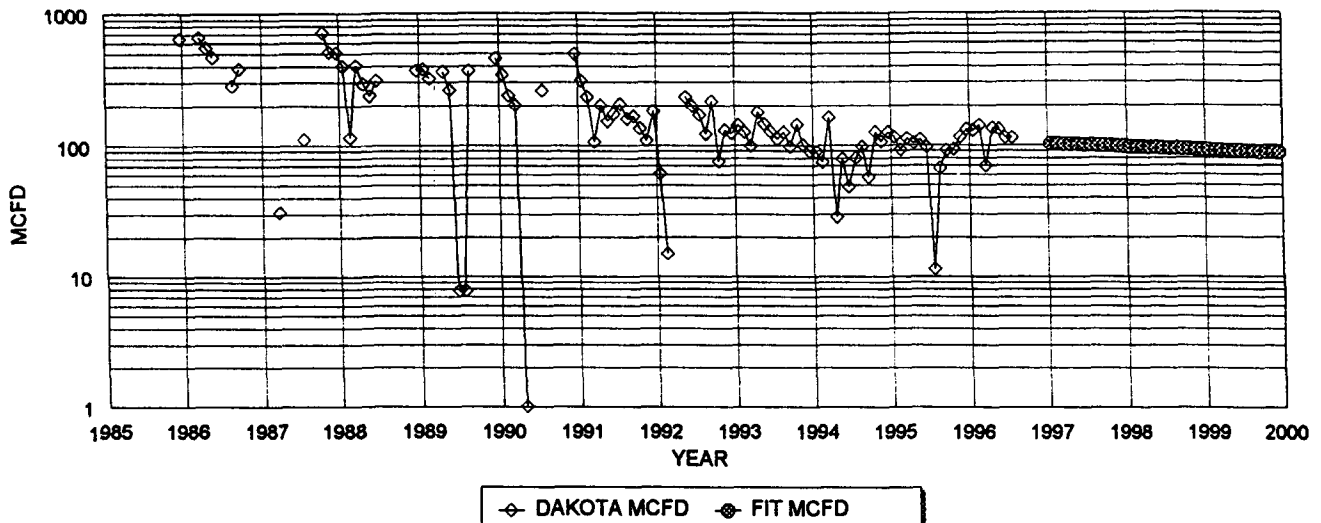
- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation 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. 191E DAKOTA PRODUCTION
SECTION 33A-28N-07W**



DAKOTA HISTORICAL DATA: **1ST PROD: 12/85**
OIL CUM: **3.97 MBO**
GAS CUM: **570.9 MMCF**
OIL YIELD: **0.0069 BBL/MCF**

DAKOTA PROJECTED DATA
1/1/97 Q1: **102 MCFD**
DECLINE RATE: **5.1% (EXPONENTIAL)**

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	MID-YEAR AVG. MCFD	MID-YEAR AVG. BOPD
1996	99	0.69
1997	94	0.66
1998	90	0.62
1999	85	0.59
2000	81	0.56
2001	77	0.53
2002	73	0.50
2003	69	0.48
2004	65	0.45
2005	62	0.43
2006	59	0.41
2007	56	0.39
2008	53	0.37
2009	50	0.35
2010	48	0.33
2011	45	0.31
2012	43	0.30
2013	41	0.28
2014	39	0.27
2015	37	0.26
2016	35	0.24
2017	33	0.23
2018	31	0.22
2019	30	0.21
2020	28	0.20
2021	27	0.19
2022	25	0.18
2023	24	0.17
2024	23	0.16
2025	22	0.15
2026	21	0.14
2027	20	0.14
2028	19	0.13
2029	18	0.12
2030	17	0.12

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-123
Effective 1-1-55

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

Operator EL PASO NATURAL GAS COMPANY			Lease SAN JUAN 28-7 UNIT (SF 078498)		Well No. 1913
Unit Letter A	Section 33	Township 28N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 1010 feet from the North line and 320 feet from the East line					
Ground Level Elev: 6040	Producing Formation Dakota		Pool Basin		Dedicated Acreage: 316.32 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 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.

<p>RECEIVED JUN 08 1985 BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA</p>			
		<p>Sec. 33</p>	

CERTIFICATION

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

Peggy Daah
Name
Drilling Clerk
Position
El Paso Natural Gas Co
Company
June 4, 1985
Date

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.

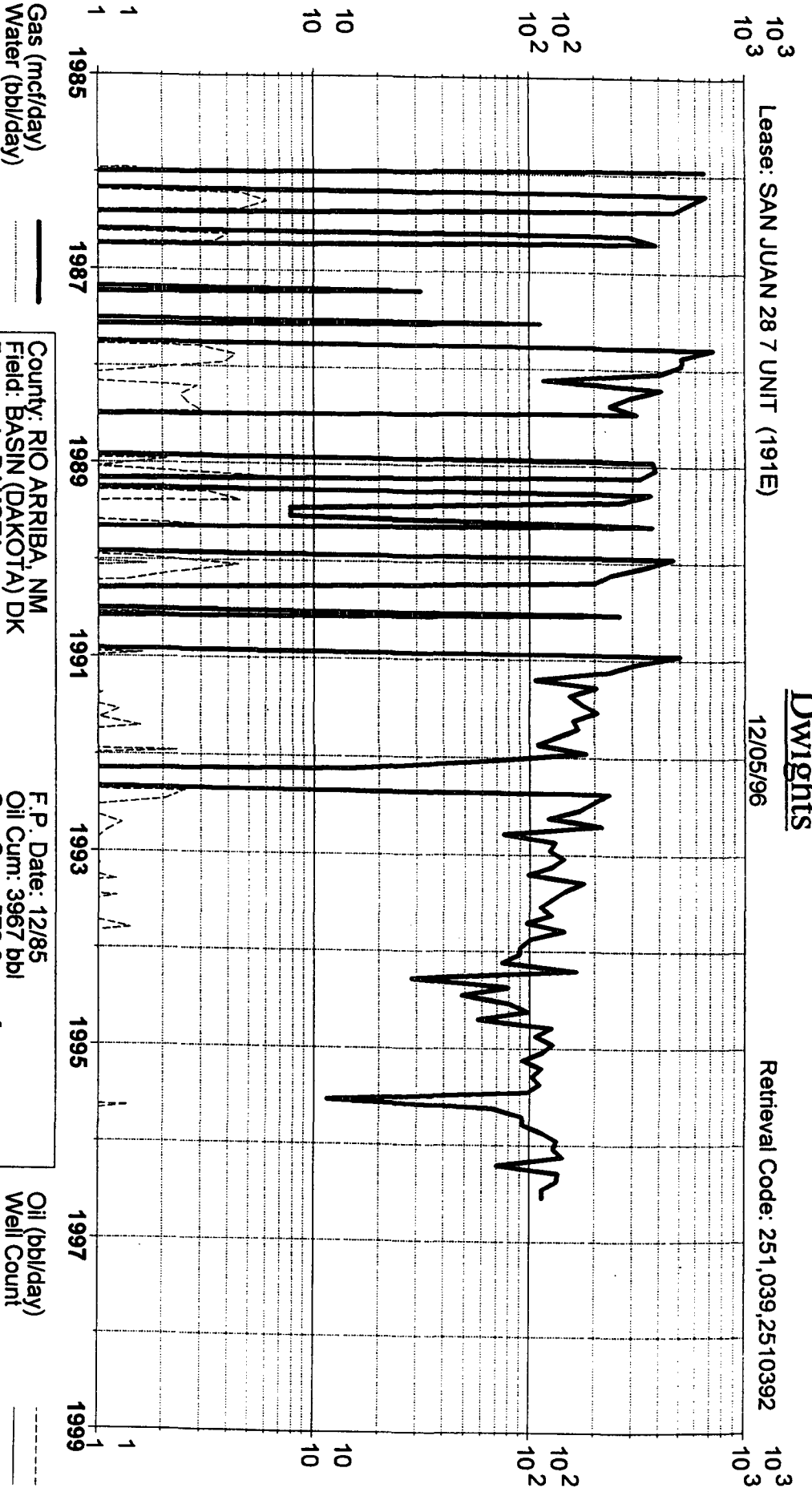
Date Surveyed
May 20, 1985
Registered Professional Engineer and Land Surveyor
Fred S. Kerr Jr.

Dwights

Lease: SAN JUAN 28 7 UNIT (191E)

12/05/96

Retrieval Code: 251,039,2510392



County: RIO ARriba, NM
Field: BASIN (DAKOTA) DK
Reservoir: DAKOTA
Operator: CONOCO INC

F.P. Date: 12/85
Oil Cum: 3967 bbl
Gas Cum: 570.9 mmcf
Location: 33A 28N 7W