

DHC 5/12/97

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

22 1997

OIL CONSERVATION DIVISION

2040 S. Pacheco
Santa Fe, New Mexico 87505-6429

APPROVAL PROCESS:
 Administrative Hearing

DISTRICT III
1000 Rio Brazos Rd. Aztec, NM 87410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE
 YES NO

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 Rge 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 Oil Zones - Artificial Lift: Gas & Oil - Flowing: All Gas Zones: Estimated Or Measured Original	a (Current) 800 psia	a.	a. 621 psia
	b(Original) 1192	b.	b. 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 Note For new zones with no production history applicant should 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
	Incremental Production by Subtraction	Date Rates	Mid-Year avg. rates - see table
8. Fixed Percentage Allocation Formula -% for each zone	% Gas %	% Gas %	% Gas

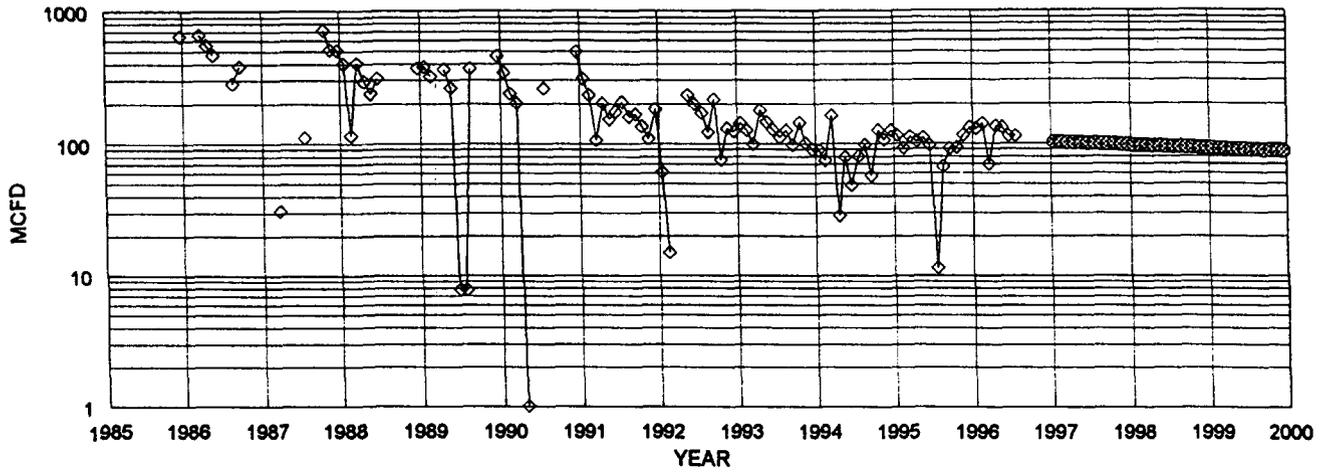
9. If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data.
10. Are all working, overriding, and royalty interests identical in all commingled zones?
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. 191E DAKOTA PRODUCTION
SECTION 33A-28N-07W**



◇ DAKOTA MCFD ◻ FIT MCFD

DAKOTA HISTORICAL DATA:	1ST PROD: 12/85	DAKOTA PROJECTED DATA
OIL CUM:	3.97 MBO	1/1/97 Q1: 102 MCFD
GAS CUM:	570.9 MMCF	DECLINE RATE: 5.1% (EXPONENTIAL)
OIL YIELD:	0.0069 BBL/MCF	

YEAR	MID-YEAR	MID-YEAR
	AVG. MCFD	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

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

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.

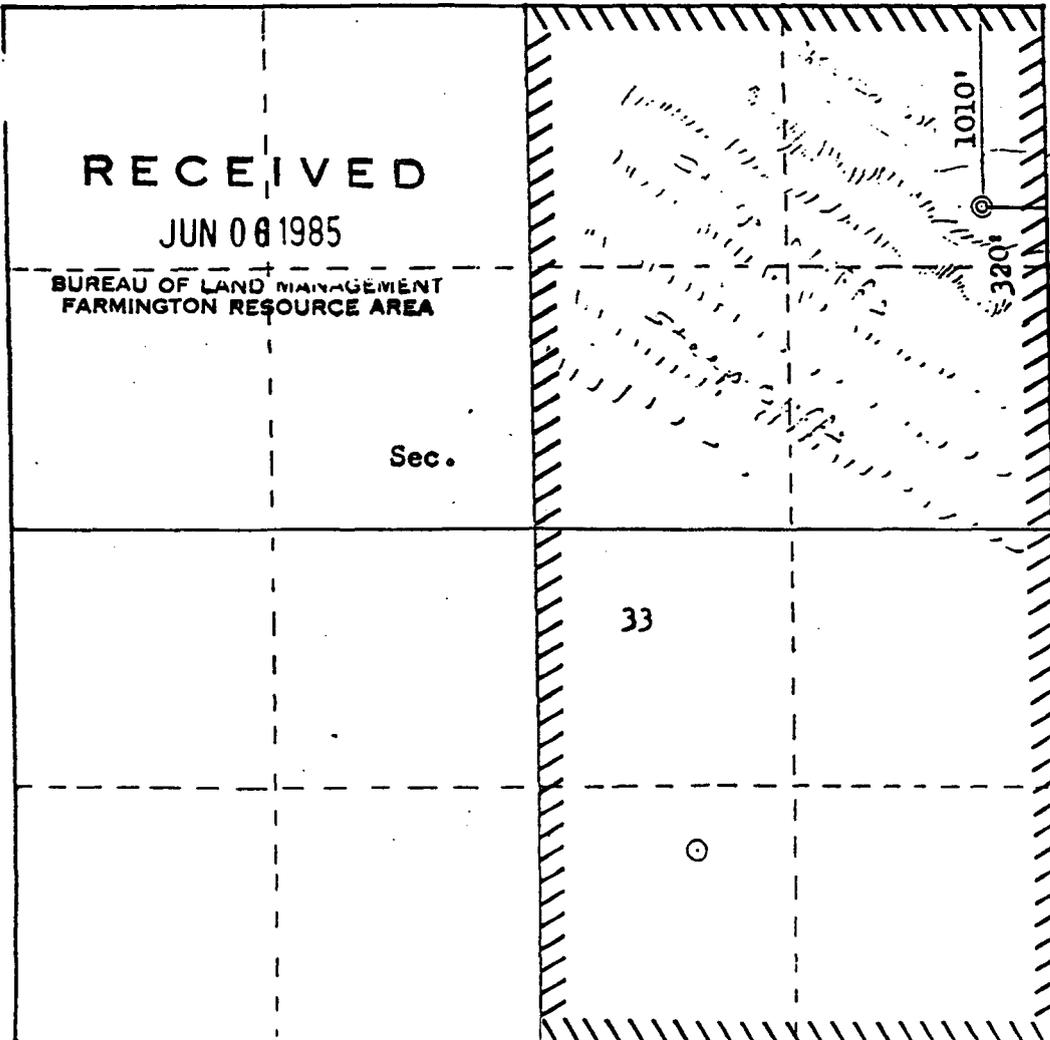
Operator EL PASO NATURAL GAS COMPANY		Lease SAN JUAN 28-7 UNIT (SF 078498)		Well No. 1913
Unit Letter A	Section 33	Township 28N	Range 7W	County Rio Arriba
Actual Footage Location of Well: 1010 feet from the North line and 320 feet from the East line				
Ground Level Elev: 6040	Producing Formation Dakota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

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

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

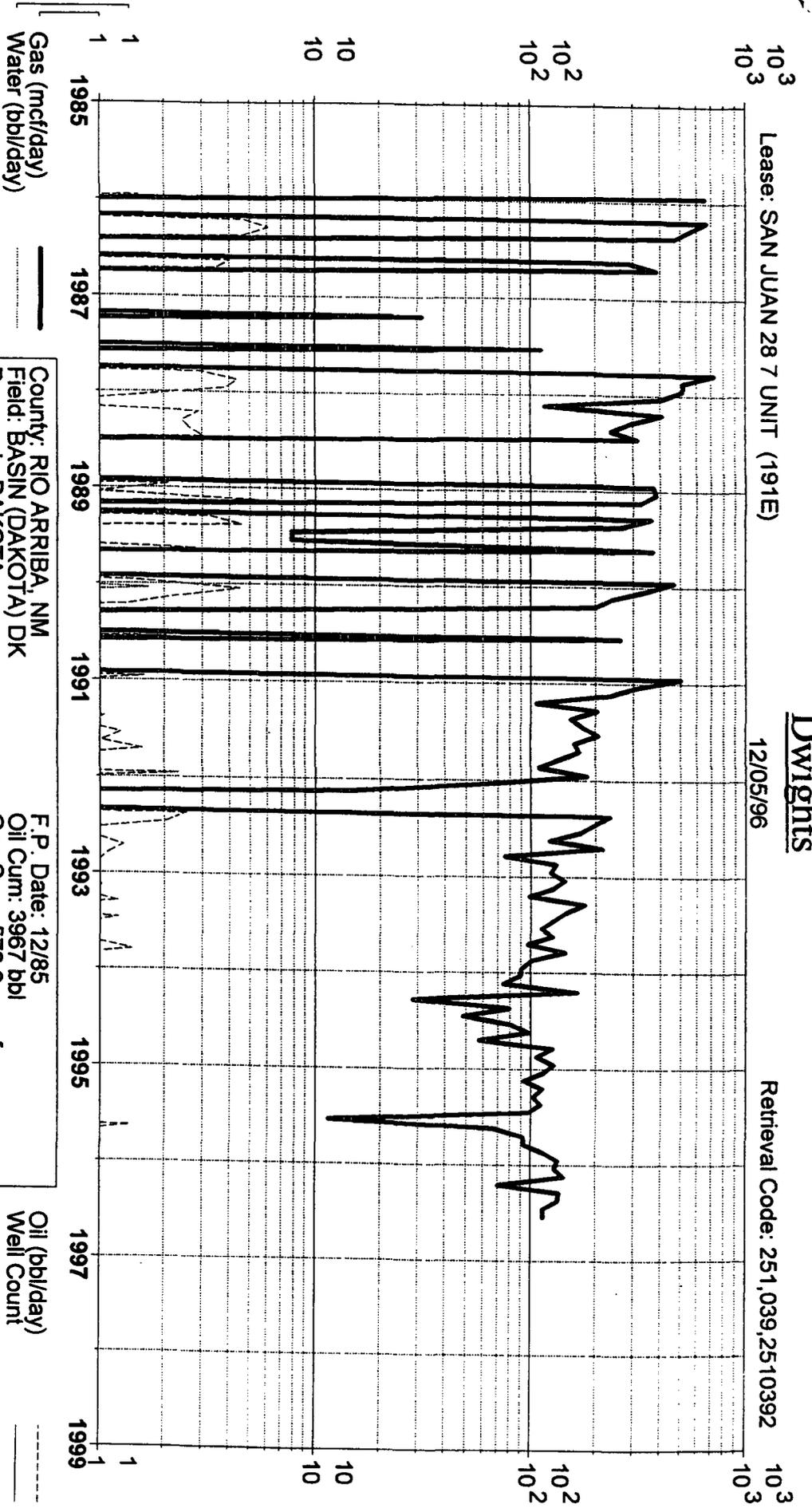
Fred S. Kerr Jr.
Fred S. Kerr Jr.

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

Oil (bbl/day)
Well Count