

DISTRICT I
P.O. Box 1930 Hobbs NM 88241-1930

State of New Mexico
Energy, Minerals and Natural Resources Department

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

DISTRICT II
511 South First St. Artesia NM 88210-2835

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

Cole A

1E

Section 35, T-28-N, R-10-W, 1

San Juan

Lease

Well No

Unit Ltr Sec Twp Rge

County

OGRID NO 005073

Property Code

API NO

30-045-24117

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	Otero Chacra 82329		Basin Dakota 71599
2 TOP and Bottom of Pay Section (Perforations)	2967-3235'		6256-6417'
3 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5 Bottomhole Pressure	a (Current)		a
Oil Zones - Artificial Lift	534		593
Gas & Oil - Flowing	b (Original)		
All Gas Zones	683		2203
Estimated Or Measured Original			
6 Oil Gravity (*API) or Gas BT Content	1150		1200
7 Producing or Shut-In?	Producing		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 3/15/98 24 MCFD, 0 BOPD, 1.9 BWPD	Date Rates	Date Rates 3/15/98 41 MCFD, .05 BOPD, 0.7 BWPD
8 Fixed Percentage Allocation Formula - % of each zone	0 Gas 34	Gas	100 Gas 66

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 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

Kay Maddox

TITLE Regulatory Agent

DATE

4/27/98

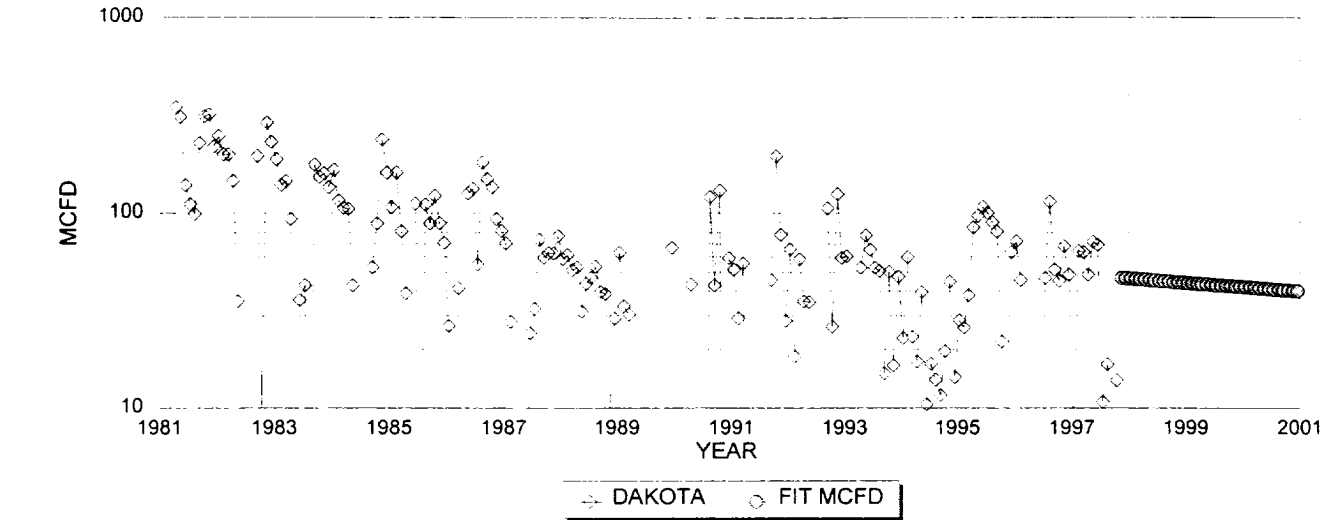
TYPE OR PRINT NAME

Kay Maddox

TELEPHONE NO.

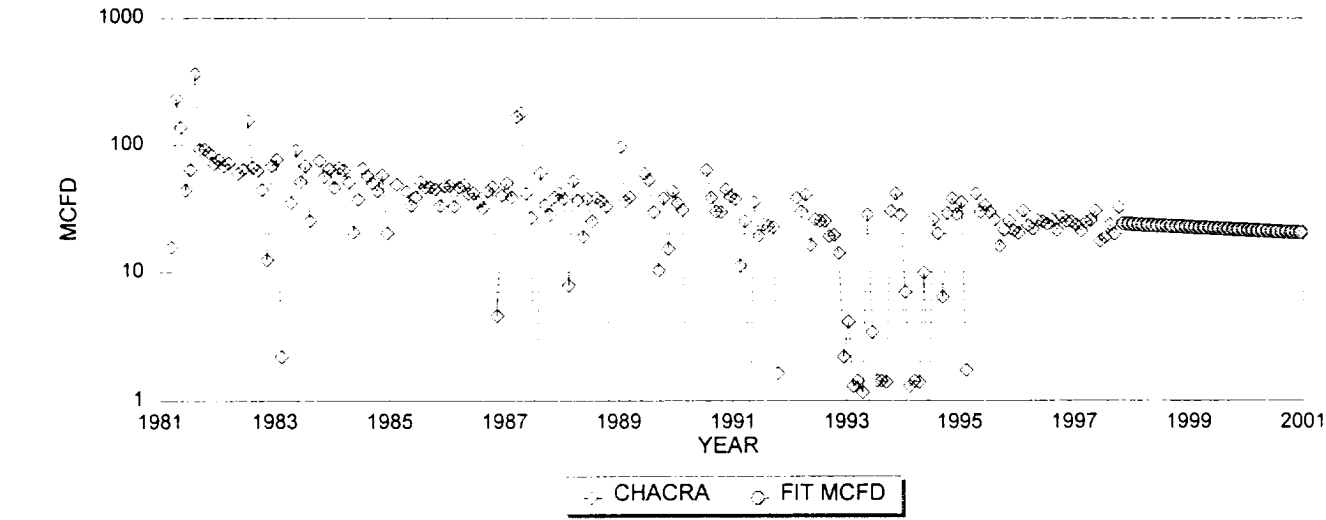
(915) 686-5798

COLE A #1E DAKOTA PRODUCTION
SECTION 35I-28N-10W



DAKOTA HISTORICAL DATA:	1ST PROD: 04/81	DAKOTA PROJECTED DATA	
OIL CUM:	2.25 MBO	1/1/98 Qi:	46 MCFD 0.27 BOPD
GAS CUM:	393.4 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0057 BBL/MCF		

COLE A #1E CHACRA PRODUCTION
SECTION 35I-28N-10W



CHACRA HISTORICAL DATA	1ST PROD: 03/81	CHACRA PROJECTED DATA	
OIL CUM:	0.0 MBO	1/1/98 Qi:	24 MCFD 0.00 BOPD
GAS CUM:	221.4 MMCF	DECLINE RATE:	5.0% (EXPONENTIAL)
OIL YIELD:	0.0000 BBL/MCF		

FIXED COMMINGLE ALLOCATION FACTORS:			
	GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1998 RATES
DAKOTA	66%	100%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS
CHACRA	34%	0%	

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGY DATA

Dwights

04/20/98

Lease: COLE A (1E)

Retrieval Code: 251,045,28N10W35I00DK



Oil (bbl/mo)

Water (bbl/mo)

County: SAN JUAN, NM

Field: BASIN (DAKOTA) DK

Reservoir: DAKOTA

Operator: AMOCO PRODUCTION CO

F.P. Date: 04/81

Oil Cum: 2253 bbl

Gas Cum: 393.4 mmcf

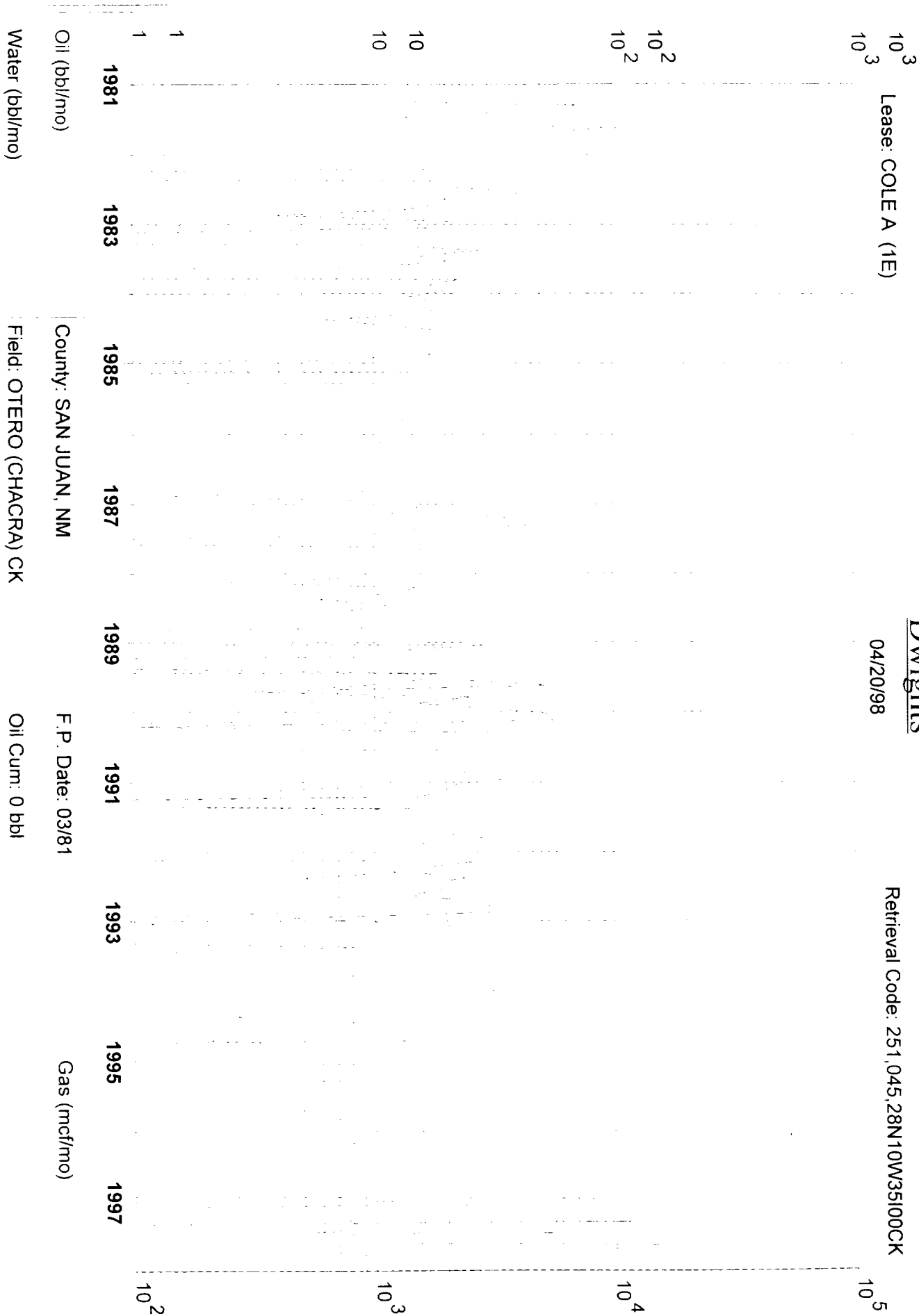
Location: 35I 28N 10W

Dwights

04/20/98

Retrieval Code: 251,045,28N10W35100CK

Lease: COLE A (1E)



District IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Fee Lease - 3 Copies


☐ AMENDED REPORT

API Number 30-045-24117	2 Pool Code 82329	3 Pool Name Otero Chacra
4 Property Code	5 Property Name Cole A	6 Well Number # 1E
7 OGRID No. 005073	8 Operator Name Conoco Inc., 10 Desta Drive, Ste. 100W, Midland, TX 79705-4500	9 Elevation 5889'

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	35	28N	10W		1750	South	890	East	San Juan

UL or lot no	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
160			

16			
			<div style="border: 1px solid black; padding: 5px;"><h3>17 OPERATOR CERTIFICATION</h3><p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p><div style="text-align: center; margin-top: 20px;"> Signature</div><div style="text-align: center; margin-top: 10px;">Kay Maddox Printed Name</div><div style="text-align: center; margin-top: 10px;">Regulatory Agent Title</div><div style="text-align: center; margin-top: 10px;">4/20/98 Date</div></div>
			<div style="border: 1px solid black; padding: 5px;"><h3>18 SURVEYOR CERTIFICATION</h3><p>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</p><div style="text-align: center; margin-top: 20px;">Date of Survey</div><div style="text-align: center; margin-top: 10px;">Signature and Seal of Professional Surveyor</div><div style="text-align: center; margin-top: 20px;">Certificate Number</div></div>

840'

1750'

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

Operator TENNESCO OIL COMPANY			Lease COLE "A"		Well No. 1-E
Unit Letter I	Section 35	Township 25N	Range 10W	County San Juan	
Actual Footage Location of Well: 1750 feet from the South line and 890 feet from the East line					
Ground Level Elev. 5389	Producing Formation Dakota		Pool Basin Dakota		Dedicated Acreage: 320.00 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 _____

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.

Sec.	
<p>USA SF-0389508</p> <p>TCC-1/2</p> <p>Cardco-1/2</p> <p>320.00 acres</p>	

CERTIFICATION

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

Name _____

Position _____

Company _____

Date _____

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me, under my supervision, and that the same is true and correct to the best of my knowledge and belief.

ADMN 73362

Date Surveyed _____

September 28, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kohn

Certification No. **3950**

April 27, 1998

Cole A #1E
Section 35, T-28-N, R-10-W, I
San Juan County, New Mexico
API # 30-045-24117

RE: Application to Downhole Commingle C-107A

Offset Operators:

Amoco
PO Box 800
Denver, CO 80201

Burlington Resources
PO Box 4289
Farmington, New Mexico 87499

Breck Operating Co.
PO Box 911
Breckenridge, TX 76024-0911

Redwolf Production Inc
PO Box 356
Farmington, New Mexico 87499

Koch Exploration Co.
PO Box 2256
Wichita, KS 67201

Kukui Operating Co,
1415 Louisiana STE 3650
Wedge Intl Tower
Houston, TX 77002