

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

Operator  
Conoco Inc. ✓

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

State 32 Well No O-36-T30N-R11W County San Juan  
Lease Unit Ltr Sec Twp Rge

OGRID NO. 005073 Property Code \_\_\_\_\_ API NO. 30 045 13369 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)	4288-4882'(Proposed)		6761-6860'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottom hole Pressure	a (Current)	a.	a.
Oil Zones - Artificial Lift: Estimated Current	557 PSIA		558 PSIA
Gas & Oil - Flowing: Measured Current	b (Original)		b.
All Gas Zones: Estimated Or Measured Original	1047 PSIA		2535 PSIA
6. Oil Gravity (*API) or Gas BTU Content	1200 BTU Est.		1234 BTU
7. Producing or Shut-In?	new zone		Producing
Production Marginal? (yes or no)	YES		YES
• If Shut-In give date and oil/gas/water rates of last production	Date Rates new zone	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, give date and oil/gas/water rates of recent test (within 60 days)	Date Rates Incremental Production by subtraction	Date Rates	Date Rates 6/15/97, 68 mcf/d .01 bopd/.1 bwpd
8. Fixed Percentage Allocation Formula -% for each zone	oil: % Gas %	oil: % Gas %	oil: % Gas %

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DIST. 3

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. 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 Ann E. Ritchie TITLE Regulatory Agent DATE 8-11-97

TYPE OR PRINT NAME Ann E. Ritchie TELEPHONE NO. (915) 686-6548/684-6381

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-28  
Revised 5/1/57

Well Location and Acreage Dedication Plat

Section A.

Date November 10, 1964

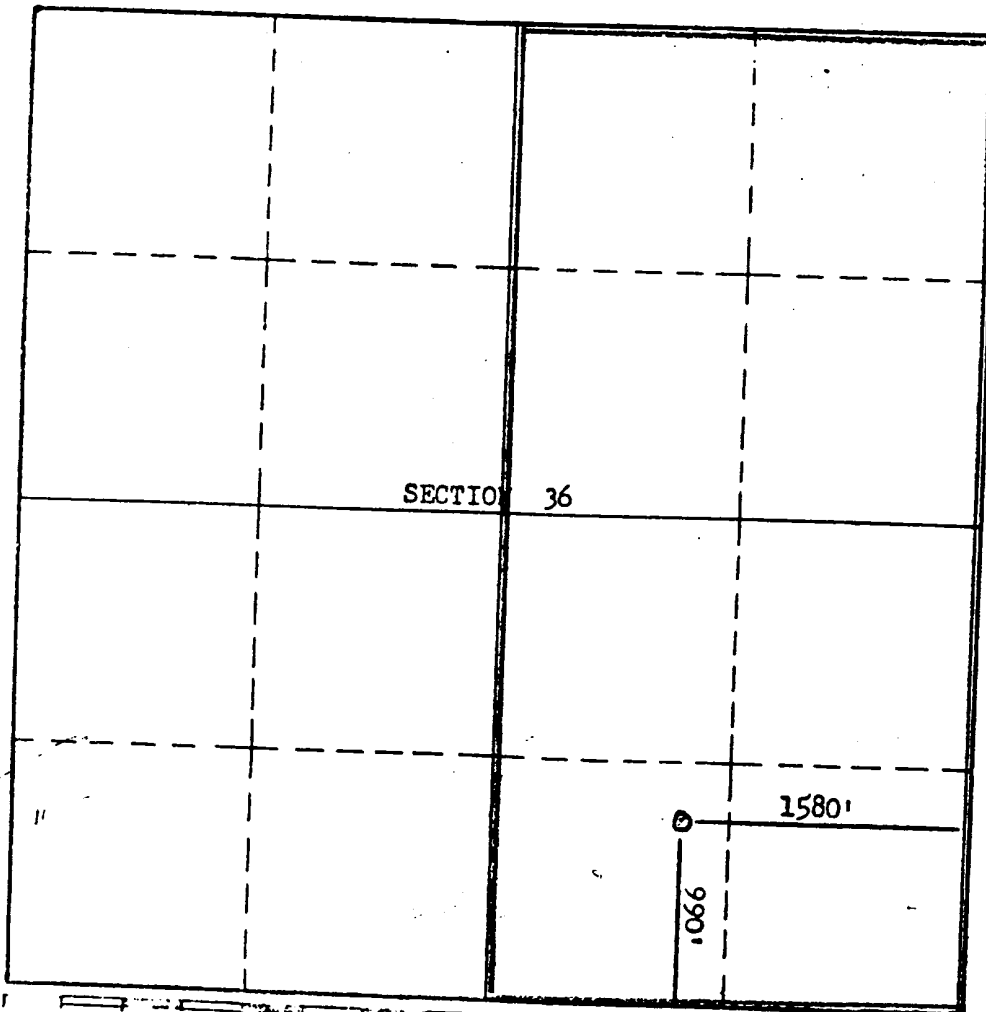
Operator PUBCO PETROLEUM CO. Lease 36 STATE NEW MEXICO  
Well No. 32 Unit Letter O Section 36 Township 30 N Range 11 W  
Located 990 Feet From south Line, 1580 Feet From east Line  
County San Juan G. L. Elevation 5978 (ungraded) Dedicated Acreage E<sub>2</sub> (320) Acres  
Name of Producing Formation Dakota Pool Basin

1. Is the Operator the only owner\* in the dedicated acreage outlined on the plat below?  
Yes        No ☒
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes ☒ No       . If answer is "yes," Type of Consolidation Communitization Agreement
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

Pubco Petroleum Corp.  
(Operator)  
San Cleveland  
(Representative)

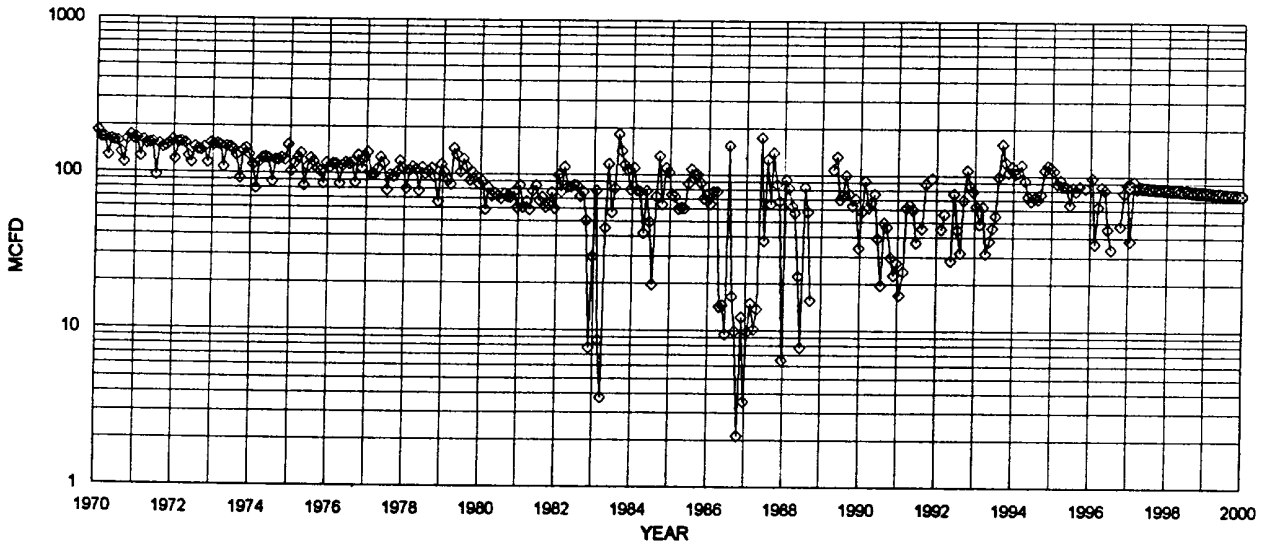
P.O. Box 1419, Albuquerque  
Address

This is to certify that the well location shown on the plat in Section B 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 Nov. 4, 1964

Stephen H. Kinney  
STEPHEN H. KINNEY  
Registered Professional  
Engineer and/or Land Surveyor

**STATE #32 DAKOTA PRODUCTION  
SECTION 36G-30N-11W**



◇ DAKOTA MCFD    — FIT MCFD

DAKOTA HISTORICAL DATA		1ST PROD: 8/85	DAKOTA PROJECTED DATA	
OIL CUM:	10.5	MBO	1/1/97 Q1:	88 MCFD
GAS CUM:	1232.0	MMCF	DECLINE RATE:	4.26% (EXPONENTIAL)
OIL YIELD:	0.0085	BBL/MCF	OIL YIELD:	0.0036 BBL/MCF, LAST 3 YEARS

**PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION**

YEAR	MID-YEAR AVG MCFD	MID-YEAR AVG BOPD
1997	84	0.3
1998	81	0.3
1999	77	0.3
2000	74	0.3
2001	71	0.2
2002	68	0.2
2003	65	0.2
2004	62	0.2
2005	60	0.2
2006	57	0.2
2007	55	0.2
2008	52	0.2
2009	50	0.2
2010	48	0.2
2011	46	0.2
2012	44	0.2
2013	42	0.1
2014	40	0.1
2015	39	0.1
2016	37	0.1
2017	35	0.1
2018	34	0.1
2019	32	0.1
2020	31	0.1
2021	30	0.1
2022	28	0.1
2023	27	0.1
2024	26	0.1
2025	25	0.1
2026	24	0.1

Conoco, Inc.  
State, Well #32  
San Juan County, New Mexico  
Attachment to Form C-107-A

Offset Operators-other than Conoco:

Burlington O & G Resources Co.  
P.O. Box 4289  
Farmington, NM 87499

Amoco Production Co.  
P.O. Box 800  
Denver, CO 80201

Dugan Production Corp.  
P.O. Box 420  
Farmington, NM 87499-0420

*Copies of C-107-A and attachments sent to above 8-12-97.*

*Mike. L. L. L.*