

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

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

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

Federal 10 Well No O-I,T-29-N,R-11-W San Juan San Juan County
Lease 10 Unit Ltr Sec Twp Rge

Spacing Unit Lease Types: (check 1 or more)

OGRID NO. 005073 Property Code 003170 API NO. 30 045 08659 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)	4079-4728'(Proposed)		6540-6648'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	To Flow		Flowing
5. Bottom hole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 557 PSIA b (Original) 1047 PSIA		a. 540 PSIA b. 2522 PSIA
6. Oil Gravity (*API) or Gas BTU Content	1200 BTU Est.		1020 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 Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.	Date Rates new zone	Date Rates	Date Rates
• 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, 88 mcf/d 0 bopd, 1 bwpd
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

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
Well Location and Acreage Dedication Plat

Section A.

Date June 29, 1961

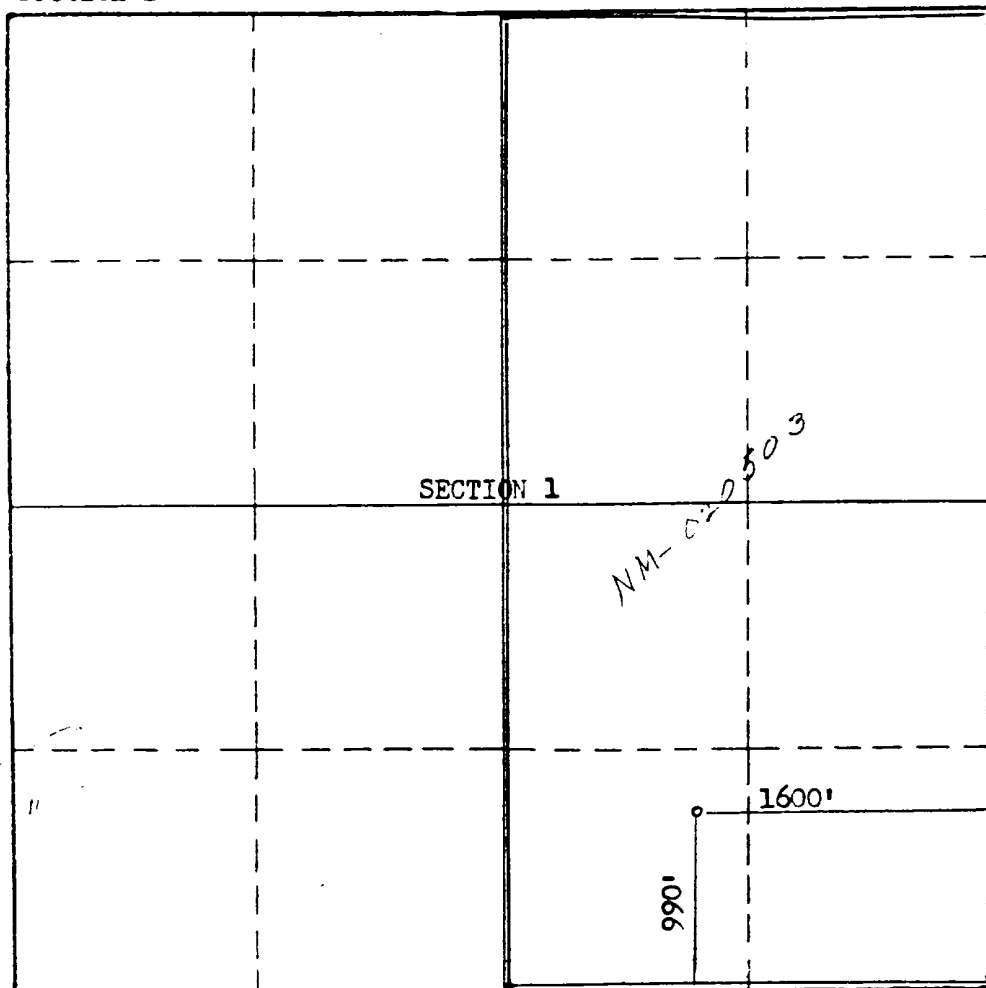
Operator PUBCO PETROLEUM CO. Lease FEDERAL 29-11
Well No. 1-0 Unit Letter O Section 1 Township 29N Range 11W NMPC
Located 990 Feet From south Line, 1600 Feet From east Line
County San Juan G. L. Elevation 5810 Dedicated Acreage 305.06 Acres
Name of Producing Formation Dakota Pool Basin-Dakota

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes X 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
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 CORPORATION
(Operator)

Stephen H. Kinney
(Representative)

108 West Chuska, Aztec, N.M.
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.

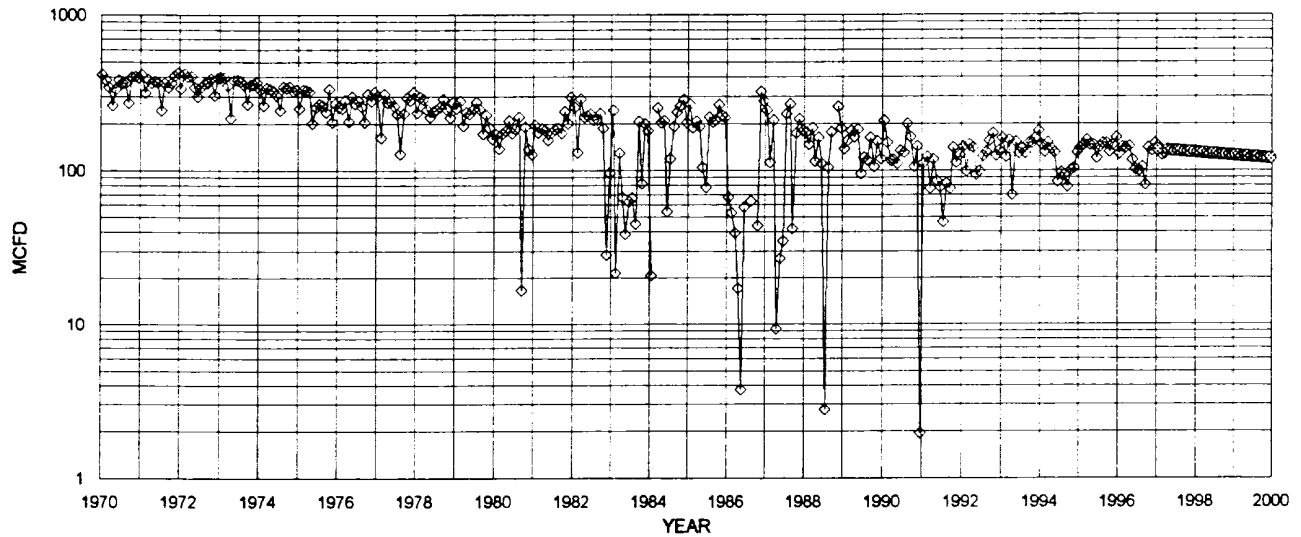
Date Surveyed June 9, 1961

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

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 0

Certificate No. 802

**FEDERAL #10 DAKOTA PRODUCTION
SECTION 01O-29N-11W**



◇ DAKOTA MCFD — FIT MCFD

DAKOTA HISTORICAL DATA 1ST PROD: 11/81

OIL CUM: 19.9 MBO
GAS CUM: 3104.0 MMCF
OIL YIELD: 0.0064 BBL/MCF

DAKOTA PROJECTED DATA

1/1/87 Q1: 137 MCFD
DECLINE RATE: 4.36% (EXPONENTIAL)
OIL YIELD: 0.0006 BBL/MCF, LAST 3 YEARS

PRODUCTION FORECAST FOR SUBTRACTION METHOD COMMINGLE ALLOCATION

YEAR	MID-YEAR AVG MCFD	MID-YEAR AVG BOPD
1997	134	0.1
1998	128	0.1
1999	122	0.1
2000	117	0.1
2001	112	0.1
2002	107	0.1
2003	102	0.1
2004	98	0.1
2005	94	0.1
2006	90	0.1
2007	86	0.1
2008	82	0.0
2009	78	0.0
2010	75	0.0
2011	72	0.0
2012	69	0.0
2013	66	0.0
2014	63	0.0
2015	60	0.0
2016	57	0.0
2017	55	0.0
2018	53	0.0
2019	50	0.0
2020	48	0.0
2021	46	0.0
2022	44	0.0
2023	42	0.0
2024	40	0.0
2025	38	0.0
2026	37	0.0

Conoco, Inc.
Federal, Well #10
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

Four Star Oil & Gas Co.
3300 N. Butler Ave. Suite 100
Farmington, NM 87401

Copies of the C-107A and attachments sent to above 8-12-97.
Al. Fisher