

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 87505-6429Form 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

Operator

Address

San Juan 28-7

104

M-3-T27N-R7W

Rio Arriba

Lease

Well No

Unit Ltr Sec Twp Rgs

County

OGRID NO. 005073

Property Code

16608

API NO.

30-039-07160

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	Pictured Cliffs 72439		Mesa Verde 72319
2. TOP and Bottom of Pay Section (Perforations)	3274' - 3326'		5526' - 5654'
3. Type of production (Oil or Gas)	Gas		Gas
4. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	a (Current) 306 psia b(Original) 1117 psia	a. b.	a. 476 psia b. 1193 psia BHP
6. Oil Gravity (*API) or Gas BT Content	1267		1286
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 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 1/97 avg. 14 mcf/d; 0 bopd	Date Rates 1/97 avg. 14 mcf/d; 0.2 bopd	Date Rates 1/97 avg. 14 mcf/d; 0.2 bopd
8. Fixed Percentage Allocation Formula - % for each zone	Oil: 0 % Gas 50 %	Oil: % Gas %	Oil: 100 % Gas 50

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?

Have all offset operators been given written notice of the proposed downhole commingling?

* Conoco is offset operator to all San Juan 28-7 Unit wells.

Yes ☒ Nox Yes ☐ Nox Yes ☐ No11. 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 ☐ No13. 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

TITLE Sr. Conservation Coord

DATE

1/27/97

TYPE OR PRINT NAME

Jerry W. Hoover

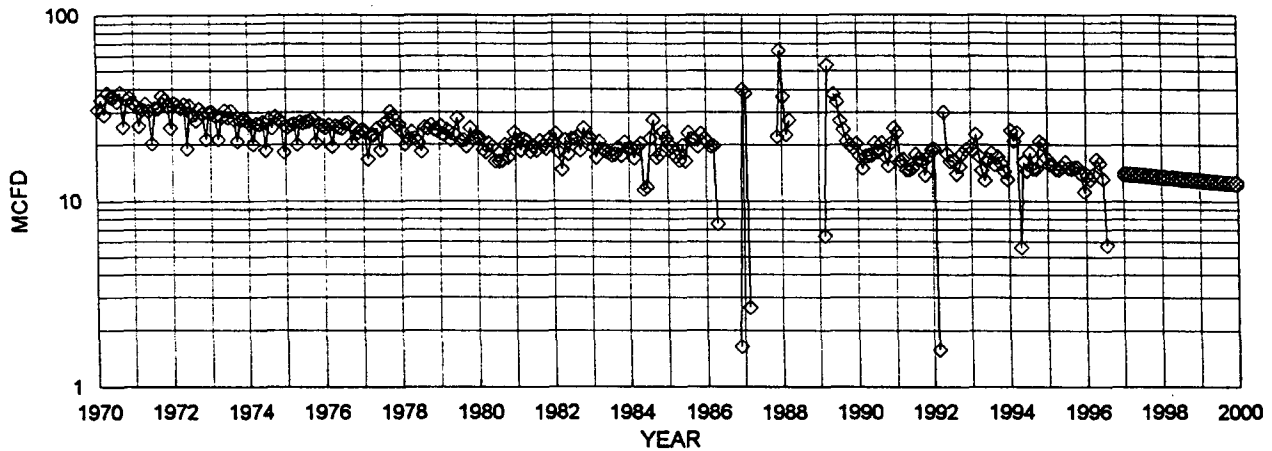
TELEPHONE NO.

(915)

686-6548

PREPARED BY: PDB

**SAN JUAN 28-7 UNIT NO. 104 PICTURED CLIFFS PRODUCTION
SECTION 3M-27N-07W**



◇ PICTURED CLIFFS MCFD ◇ FIT MCFD

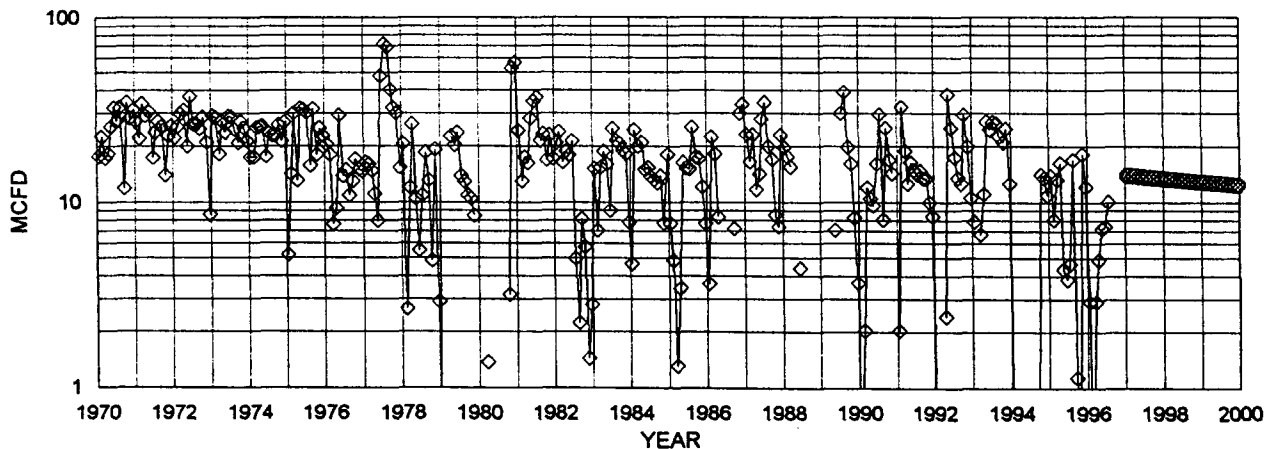
PICTURED CLIFFS HISTORICAL DATA 1ST PROD: 11/69

OIL CUM: 0.00 MBO
GAS CUM: 347.9 MMCF
OIL YIELD: 0.0000 BBL/MCF

PICTURED CLIFFS PROJECTED DATA

1/1/97 Q1: 14 MCFD
DECLINE RATE: 4.0% (EXPONENTIAL)

**SAN JUAN 28-7 UNIT NO. 104 MESAVERDE PRODUCTION
SECTION 3M-27N-07W**



◇ MESAVERDE MCFD ◇ FIT MCFD

MESAVERDE HISTORICAL DATA 1ST PROD: 11/69

OIL CUM: 4.1 MBO
GAS CUM: 276.4 MMCF
OIL YIELD: 0.0149 BBL/MCF

MESAVERDE PROJECTED DATA

1/1/97 Q1: 14 MCFD
DECLINE RATE: 4.0% (EXPONENTIAL)

FIXED COMMINGLE ALLOCATION FACTORS:

	GAS	OIL
PICTURED CLIF	50%	0%
MESAVERDE	50%	100%

GAS ALLOCATION BASED ON PROJECTED 1997 RATES
OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS

NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA

Well Location and Acreage Dedication Plat

Section A.

Date APRIL 8, 1959

Operator EL PASO NATURAL GAS COMPANY Lease SAN JUAN 28-7 UNIT SF 078972
 Well No. 104(PH) Unit Letter K Section 3 Township 27-N Range 7-W NMFM
 Located 1600 Feet From SOUTH Line, 1750 Foot From WEST Line
 County RIO ARriba G. L. Elevation 6711 Dedicated Acreage 160 & 319.99 Acres
 Name of Producing Formation PICTURED CLIFF & MESA VERDE Pool SO. BLANCO PC & BLANCO MV

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 communization 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

RECEIVED

APR 14 1959

GEOLOGICAL SURVEY
NEW MEXICO

Section B.

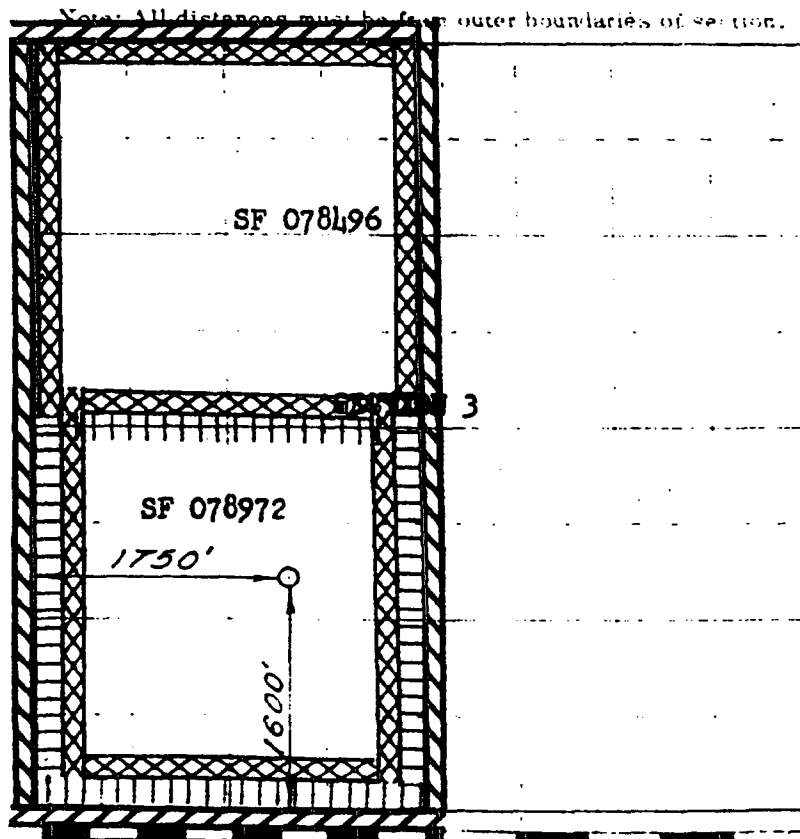
This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Company
 (Operator)

Original Signed **C. D. COX**
 (Representative)

Box 997
 (Address)

Farmington, New Mexico



Scale: Dimensions equal 1 mile

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Farmington, New Mexico

Date MARCH 10, 1959

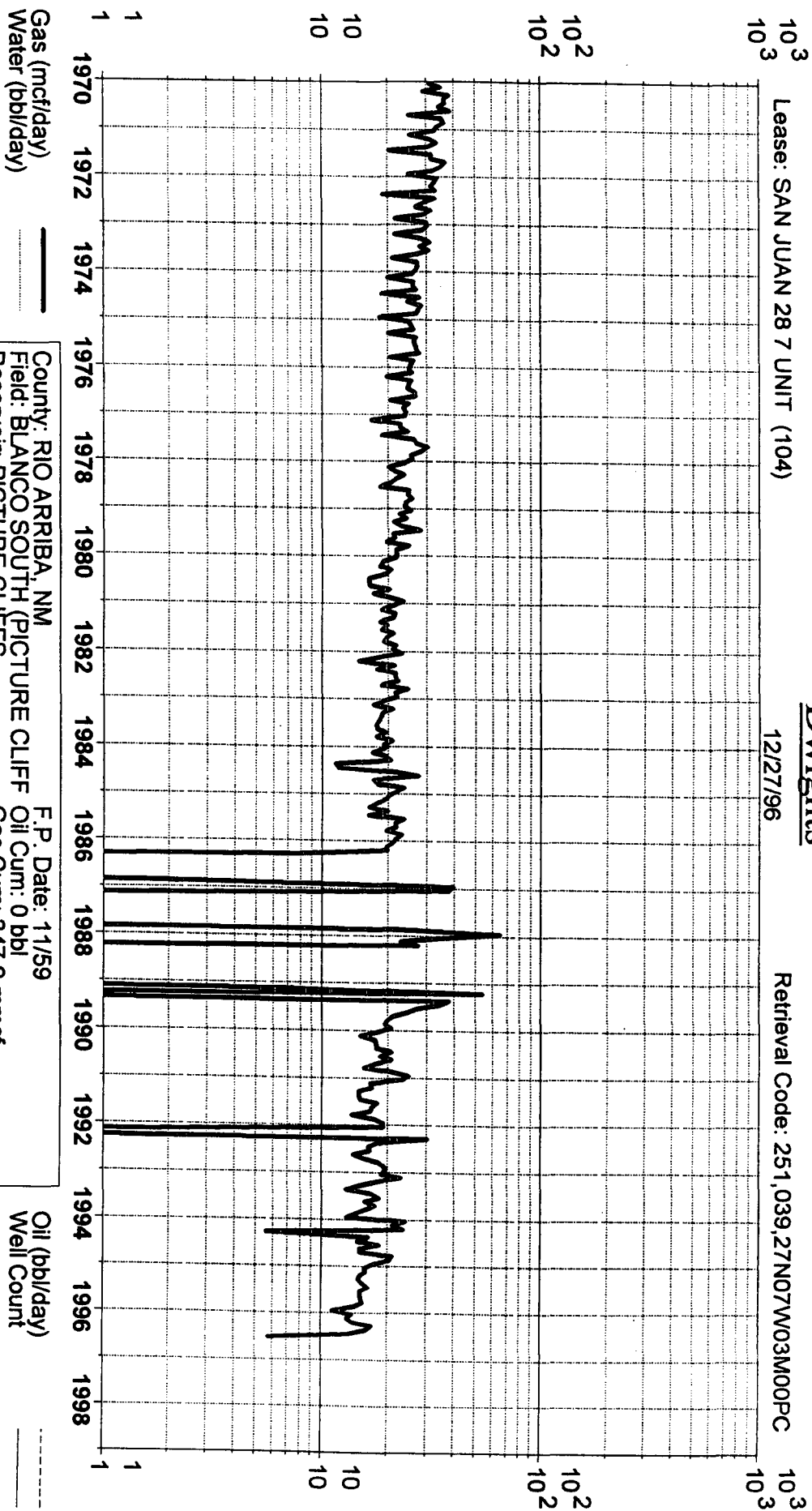
David O. Kilmer
 Surveyor General

Dwights

Lease: SAN JUAN 28 7 UNIT (104)

12/27/96

Retrieval Code: 251,039,27N07W03M00PC



County: RIO ARriba, NM
Field: BLANCO SOUTH (PICTURE CLIFF)
Reservoir: PICTURE CLIFFS
Operator: CONOCO INC

F.P. Date: 11/59
Oil Cum: 0 bbl
Gas Cum: 347.9 mmcf
Location: 3M 27N 7W

Dwights

Lease: SAN JUAN 28 7 UNIT (104)

12/27/96

Retrieval Code: 251,039,27N07W03M00MV

