#### State of New Mexico Energy, Minerals and Natural Resources Department

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

#### OIL CONSERVATION DIVISION

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

APPROVAL PROCESS:

DISTRICT II

811 South First St., Artesia, NM 88210-2835

YES NO

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

APPLICATION FOR DOWNHOLE COMMINGLING

X vaministrative	Hearing
EXISTING W	ELLBORE

Conoco Inc.	1(	Desta Dr., Ste 100W, Midlan	d, TX 79705-4500					
San Juan 28-7	TIO, I ZO IV, IV IQU AMIDA							
		** ***	County Unit Lease Types: (check 1 or more)					
OGRID NO. 005073 Property Co		30-039-22209 Federal (	State (and/or) Fee					
The following facts are submitted in support of downhole comminging:	Upper Zone	intermediate Zone	Lower Zone					
1. Pool Name and Pool Code	Pictured Cliff 72439		Mesa Verde 72319					
2. TOP and Bottom of Pay Section (Perforations)	3520-3648'	DEGEINED	5138-6168'					
3. Type of production (Oil or Gas)	Gas	AUG - 8 1997	Gas					
Method of Production    (Flowing or Artificial Lik)	Flowing	OIL COM. DIM	Flowing					
5. Bottom hole Pressure Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: Measured Current	a (Current) 504 PSIA b (Original)	a.	423 PSIA					
All Gas Zones: Estimated Or Measured Original	1000 PSIA	в.	b. 1195 PSIA					
6. Oil Gravity (*API) or Gas BTU Content	1184		1246					
7. Producing or Shut-In?	Producing		Producing					
Production Marginal? (yes or no)	Yes		Yes					
<ul> <li>If Shut-In give date and oil/gas/ water rates of last production</li> </ul>	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, give date and oil/gas/water rates of recent test (within 60 days)	Date 7-1-97, 20 MCFD Rates 4.4 BOPD, 0 BWPD	Date Rates	Date 7-1-97 175 MCFD, Rates 1.6 BOPD, 0 BWPD					
8. Fixed Percentage Allocation Formula -% for each zone	oi. * Gas 10 * 6	cal Gas %	Oil % Gas 90 %					
O. Are all working, overriding, an If not, have all working, overridaye all offset operators been of the working of the working overriging.  1. Will cross-flow occur?  If the working of	orting data and/or explaining red royalty interests identical in a ding, and royalty interests beegiven written notice of the project. No If yes, are fluids cond, and will the allocation formulation	method and providing rate project all commingled zones? en notified by certified mail? posed downhole commingling? empatible, will the formations not all a be reliable.  Yes No (If Yes X No	Yes X No X Yes No No No (If No, attach explanation)  Yes A No X Yes No No (If No, attach explanation)  Yes No No (If No, attach explanation)  Yes No No (If No (If No) (If No) (If No) (If No)  Yes No No No (If No) (					
nereby certify that the informatio	n above is true and complete	to the best of my knowledge a	nd belief.					
GNATURE OMINICAL STATES		TITLE Sr. Conservation Coon	d. DATE 6/10/97					
PE OR PRINT NAME Jerry W. H	noover	TELEPHONE NO.	( <u>915)</u> 6 <b>86</b> -6548					

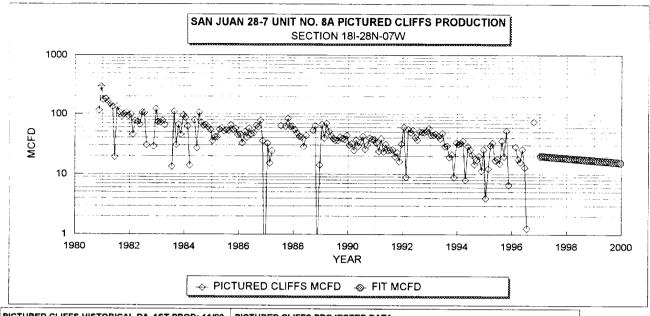
### STATE OF NEW MEXICO HERGY AND MINURALS DEPARTMENT

## OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

FORM C 102 kevised 10-1-78

All distances must be from the cuter houndaries of the Section.

EL PASO NATURAL CAS COMPANY Interest I	perator			Leas	e			<del></del>	Well No.		
To the letter Section 18 28N 7N Rance County Rio Arriba  To make the more in the section of well:  1710 test from the South line and 1120 test from the East line count lyest liter. Producing Formation Pictured Silanco Accessive 160.0 & 320.0 Acres  1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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 "res," 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.  Sec.  18 SF-078417  18 Sec.  18 SF-078417  18 SINGER  Production of the least of my historian is true and concent on the least of my historian shown on this plat was plained from field more of actual surveys made by me or construction of the formation contained the standard concent on the least of my historian shown on this plat was plained from field more of actual surveys made by me or construction of the formation contained the standard concent on the least of my historian shown on this plat was plained from field more of the formation contained the standard concent on the least of my historian contained the standard concent on the least of my historian contained the standard concent on the least of my historian contained the standard concent on the least of my historian contained the standard concent on the least of my historian contained the standard concent on the least of my historian contain	EL PASO NATURAL GAS COMPANY			SAN JUAN 28-7 UNIT (SF-078417) 8A							
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17h0 test term the South Ina and 120 test from the East Descented Corner (1978) and the second Corner (				281	· · · · · · · · · · · · · · · · · · ·		7W		Rio	Arriba	
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PICTURED CLIFFS HISTORICAL DA 1ST PROD: 11/80

59.00 MBO

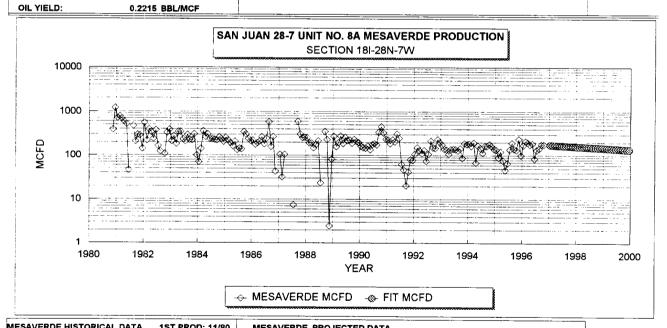
OIL CUM: GAS CUM:

266.4 MMCF

PICTURED CLIFFS PROJECTED DATA

1/1/97 Qi: 20 MCFD
DECLINE RATE: 8.0% (EXPO

8.0% (EXPONENTIAL)



HISTORICAL DATA	151 PROD: 11/60	MESAVERDE	PROJECTED DA	IIA
10.6	MBO	1/1/97 Qi:	175	MCFD
1191.0	MMCF	DECLINE RATE:	8.0%	(EXPONENTIAL)
0.0089	BBL/MCF			
INGLE ALLOCATION F	ACTORS:			·
GAS	OIL	GAS ALLOCATION BASED ON PROJECTED 1997 RATES		
CLIF 10%	74%	OIL ALLOCATION BASED ON WEIGHTED CUM OIL YIELDS		
DE 90%	26%	NOTE: ALL PRODUCTION DATA FROM DWIGHTS ENERGYDATA		
	10.6 1191.0 0.0089 MINGLE ALLOCATION F GAS CLIF 10%	10.6 MBO 1191.0 MMCF 0.0089 BBL/MCF  MINGLE ALLOCATION FACTORS: GAS OIL CLIF 10% 74%	10.6 MBO 1/1/97 Qi: 1191.0 MMCF DECLINE RATE: 0.0089 BBL/MCF  MINGLE ALLOCATION FACTORS: GAS OIL CLIF 10% 74% OIL ALLOCATIO	10.6 MBO 1/1/97 Qi: 175 1191.0 MMCF DECLINE RATE: 8.0% 0.0089 BBL/MCF  MINGLE ALLOCATION FACTORS: GAS OIL CLIF 10% 74% OIL ALLOCATION BASED ON WE

# SAN JUAN 28-7 #8A OFFSET OPERATORS

CONOCO BURLINGTON RES	CONG	conoco		
12		7		8
T28N R8W	T28N R7W			
AMOCO RICHARDSON OPER	COM	NOCO		CONOCO AMOCO
13		18	BA	17
			•	
T28N R8W	T28N R7W	·		
AMOCO RICHARDSON RES	С	ONOCO		CONOCO
24		19		2(
T28N R8W	T28N R7W			

Township 28N --- Range 7W

