ENGINEER WJ

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TYPE DHC PARNO 0209 (33191

ABOVE THIS LINE FOR DIVISION USE ONLY

#### NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



## **ADMINISTRATIVE APPLICATION CHECKLIST**

	THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE
App	lication Acronyms:
	[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication] [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
	[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
	[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
	[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]
[1]	TYPE OF APPLICATION - Check Those Which Apply for [A]
	[A] Location - Spacing Unit - Simultaneous Dedication  NSL NSP SD MAP 2 0 2002
	☐ NSL ☐ NSP ☐ SD MAR 2 9 2002
	Check One Only for [B] or [C]
	[B] Commingling - Storage - Measurement
	DHC CTB PLC PC OLS OLM
	[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
	☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR
	[D] Other: Specify
[2]	NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply
ر کی	[A] Working, Royalty or Overriding Royalty Interest Owners
	[B] Offset Operators, Leaseholders or Surface Owner
	[C] Application is One Which Requires Published Legal Notice
	[D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
	[E] For all of the above, Proof of Notification or Publication is Attached, and/or,
	[F] Waivers are Attached
	THE ACCUSE AND COLUMN FIRST AND COLUMN F
[3]	SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.
	or militarition in produced in a visit in a
[4]	CERTIFICATION: I hereby certify that the information submitted with this application for administrative
	al is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this
applica	tion until the required information and notifications are submitted to the Division.
	Note: Statement must be completed by an individual with managerial and/or supervisory capacity.
DI	Mashern. & John Maday Fra Gual at 3/27/2
Print or	Type Name  Signature  North Mashour Per Gundlet 3/07/02  Title  Debotah A Masher Committee Commi
	Tobac-1 A Manhan OV.
	e-mail Address

#### District I

1625 N. Frencla Drive, Hobbs, NM 68240

District II

811 South First Street, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

## State of New Mexico

Energy, Minerals, and Natural Resources Department

#### **OIL CONSERVATION DIVISION**

2040 South Pacheco Santa Fe, New Mexico 87505 Revised May 15, 2000

Form C-107A

APPLICATION TYPE

\_Single Well

X Established Pre-Approved Pools EXISTING WELLBORE

\_ Yes <u>X</u>No

### APPLICATION FOR DOWNHOLE COMMINGLING

CONOCO, INC.		P.O. BOX 2197	DU 3084HOUST	ONTX77252		
Operator		Address				
San Juan 28-7 Unit Lease	99F Well No.	J Sec29 T27NR7W Unit Letter-Section-Townshi	ip-Range		Rio Arriba County	
OGRID No. 005073	Property Code 016608	API No. 30-039-26897	Lease Type	X_Federal _	State	_Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	OTERO CHACRA	BLANCO MESAVERDE	BASIN DAKOTA
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	3800 - 4100	4600 - 5500	7250 - 7500
Method of Production (Flowing of Artificial Lift)	EXPECTED TO FLOW	EXPECTED TO FLOW	EXPECTED TO FLOW
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	540 psi	560 psi	880 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)			
Producing, Shut-in or New Zone	NEW ZONE	NEW ZONE	NEW ZONE
Date and Oil/Gas/Water Rates of Last Production (Note: For new zones with no production history, applicant shall be required to attach production astimates and supporting data.)	Date: Rates:	Date: Rates:	Date: Rates:
Fixed Allocation Percentage (Note: If allocation is based upon someting other than current or part production, supporting data or explanation will be required.)	Oil Gas % Test %	Oil Gas % Test %	Oil Gas % Test %

#### ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingling zones? If not, have all working royalty and overriding royalty interest owners been notified by certified mail?	Yes_ Yes		No_ No_	X
Are all produced fluids from all commingling zones compatible with each other?	Yes_	<u>X</u>	No_	
Will commingling decrease the value of production?	Yes		No	X
If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands or the United States Bureau of Land Management been notified in writing of this application?	Yes_	X	No	
NMOCD Reference Case No. applicable to this well: R 10476B R 11363				
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 working, royalty and overriding royalty interests for uncommon interest cases.  Any additional statements, data or documents required to support commingling.				

### Pre-Approved Pools

If application is to establish Pre-Approved Pools, the following additional information will be required:

List of other orders approving downhole commingling within the proposed Pre-Approved Pools List of all operators within the proposed Pre-Approved Pools

Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.

Bottomhole pressure data

I hereby certify	had the	informatio <del>n a</del> b	ove is true and	complete to he	best of my	knowledge and belief.
------------------	---------	-----------------------------	-----------------	----------------	------------	-----------------------

Mailly Title regulatory analyst

DATE <u>03/14/2002</u>

TYPE OR PRINT NAME DEBORAH MARBERR

TELEPHONE NO. (281)293-1005

## District I a 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

District II

811 South First, Art District III 1000 Rio Brazos R District IV				OIL C	2040 S	outh	TION DIVISIO Pacheco M 87505	N Su	bmit to	State	ite District Offic Lease - 4 Copie Lease - 3 Copie
2040 South Pachec	o, Santa Fe, 1	NM 87505								П АМІ	ENDED REPOR
		7	WELL LO	OCATIO	N AND	AC.	REAGE DEDI	CATION PL	ΑT		
1	API Numbe	er		<sup>2</sup> Pool Cod	e			3 Pool Na	ıme		
30-039-268	97		72319	9		Bla	nco Mesaverde				
4 Property	Code				5 Pro	perty	Name			6 1	Vell Number
016608		SAN JU	AN 28-7 L	JNIT						99F	
7 OGRID	No.		_		8 Op	erator	Name				Elevation .
005073		CONOC	O, INC.							6649	
			_		10 Surf	ace	Location			·	
UL or lot no.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	I	Cast/West line	County
J	29	27N	7W		1590		south	2420	east		Rio Arriba
	•	•	11 B	ottom Ho	ole Locati	on I	f Different From	Surface			
UL or lot no.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	Ī	East/West line	County
12 Dedicated Acre	s 13 Joint o	r Infill 14 (	Consolidation	Code 15 O	rder No.				l	L	
		-									
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								- OPE	IXA I (	JK CEK	INICATION

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I hereby certify that the information contained herein is

			true and complete to the best of my knowledge and belief.  Signature  DEBORAH MARBERRY  Printed Name  REGULATORY ANALYST  Title  03/01/2002  Date
	15%	2420'	18SURVEYOR CERTIFICATION 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.  Date of Survey Signature and Seal of Professional Surveyor:  Certificate Number

District I 1625 N. French Dr., Hobbs, NM 88240 State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410

District IV

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies

State Lease - 4 Copies Fee Lease - 3 Copies

2040 South Pachec	o, Santa Fe, 1	NM 87505						. Г	AME	NDED REPORT
		V	VELL LO			REAGE DEDI			_	
1	API Numbe	er		<sup>2</sup> Pool Code	•		3 Pool Na	me		
30-039-268			71599	·		SIN DAKOTA		· I		
4 Property	Code	CANIMI		N TITOT	5 Property	Name				Vell Number
016608		SAN JUA	AN 28-7 U	NIT		N		:	99F	
, OGRID	No.	001100			8 Operator	Name				Elevation
005073		CONOC	O, INC.		<sup>10</sup> Surface	Location			6649	
UL or lot no.	Section	Township	Range	Lot Idn			Feet from the	Fas	t/West line	County
J	29	27N	7W	2500 1411	1590	south	2420	east	. vvest inte	Rio Arriba
		2,11		ottom Ho		f Different From	3		<u> </u>	Telo / Hillou
UL or lot no.	Section	Township	Range	Lot Idn			Feet from the	Eas	t/West line	County
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12 Dedicated Acre	es 13 Joint o	r Infill 14 C	onsolidation C	Code 15 O1	rder No.					
								:		
16						ION UNTIL ALL I	17 OPE. I hereby cert true and control Signature DEBORA Printed Name REGULA Title	SION RATOI RATOI tify that the mplete to the	R CERT information to best of my BERRY	TIFICATION n contained herein is knowledge and
						24201	I hereby cert was plotted f	EYOR  ify that the from field n  my supervi	well location otes of actu sion, and th	FICATION on shown on this plat al surveys made by nat the same is true of.

Date of Survey

Certificate Number

Signature and Seal of Professional Surveyor:

### District I

1625 N. French Dr., Hobbs, NM 88240

District II 811 South First Artesia NM 88210

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

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OH CONCEDIATION DIVIDION

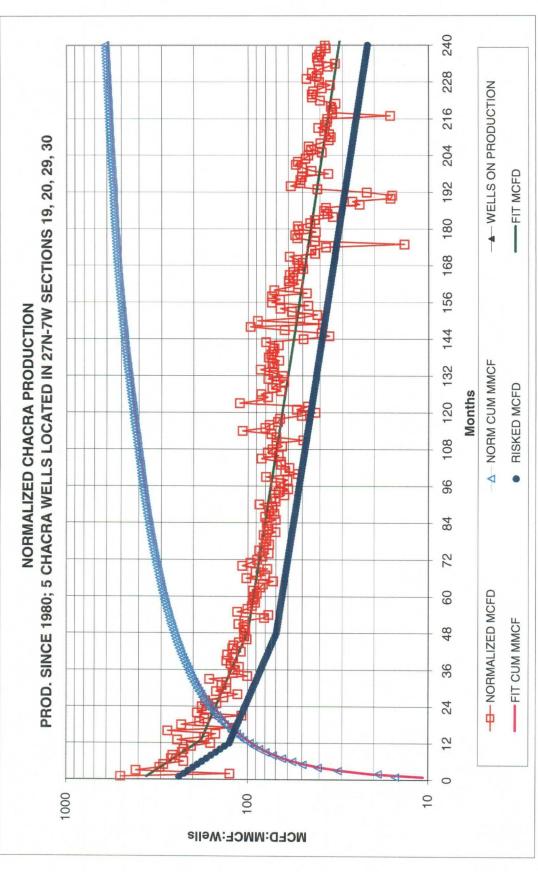
Form C-102 Revised August 15, 2000

Submit to Appropriate District Office

., Aztec, NM	87410			2040 South		* 1		State Lo	ease - 4 Copies ease - 3 Copies
, Santa Fe, N	IM 87505							AMEN	IDED REPOR
	W	ELL LO	CATIO	N AND AC	REAGE DEDI	CATION PL	AT		
API Number	r		2 Pool Code	•		3 Pool Na	me		
7		82329	)	го	TERO CHACRA		l .		
				5 Property	Name		ı	6 We	ll Number
	SAN JUA	N 28-7 U	INIT				. !	99F	
io.		,		* Operator	r Name			9 E	levation
İ	CONOCO	, INC.						6649	
			**	10 Surface	Location		1		
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
29	27N	7W		1590	south	2420	east	F	Rio Arriba
		11 B	ottom Ho	ole Location 1	f Different From	Surface	1		
Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/W	est line	County
13 Joint 01	r Infill 14 Co	nsolidation (	Code 15 O1	rder No.	<u> </u>		1		
	, Santa Fe, NAPI Number 27 Code Section Section	API Number  D7  Code SAN JUA  CONOCO  Section Township 27  Section Township	WELL LO API Number  O7 82329 Code SAN JUAN 28-7 L  CONOCO, INC.  Section Township Range 29 27N 7W  11 B  Section Township Range	WELL LOCATIO  API Number  2 Pool Code  SAN JUAN 28-7 UNIT  CONOCO, INC.  Section Township Range Lot Idn  29 27N 7W  11 Bottom Ho  Section Township Range Lot Idn	Santa Fe, N  Santa Fe, NM 87505  WELL LOCATION AND AC  API Number  7 82329  Code  SAN JUAN 28-7 UNIT  No.  CONOCO, INC.  10 Surface  Section Township Range Lot Idn Feet from the 1590  11 Bottom Hole Location I  Section Township Range Lot Idn Feet from the 1590  10 Surface  11 Bottom Hole Location I  Section Township Range Lot Idn Feet from the 1590  11 Bottom Hole Location I	Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICAPI Number  Proof Code SAN JUAN 28-7 UNIT  Section Township Range Lot Idn Feet from the North/South line  11 Bottom Hole Location If Different From  Section Township Range Lot Idn Feet from the North/South line  129 27N 7W 1590 south  11 Bottom Hole Location If Different From  Section Township Range Lot Idn Feet from the North/South line  15 Bottom Hole Location If Different From  Section Township Range Lot Idn Feet from the North/South line	Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PL API Number  2-Pool Code  SAN JUAN 28-7 UNIT  Section  Section  Township  Range  Lot Idn  Feet from the  Section  Township  Range  Lot Idn  Feet from the  Section  Township  Range  Lot Idn  Feet from the  North/South line  Feet from the  Section  Township  Range  Lot Idn  Feet from the  North/South line  Feet from the  Section  Township  Range  Lot Idn  Feet from the  North/South line  Feet from the  Section  Township  Range  Lot Idn  Feet from the  North/South line  Feet from the  North/South line  Feet from the	Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PLAT  API Number  Pool Code SAN JUAN 28-7 UNIT  Section Township Range Lot Idn Feet from the South 2420 cast  11 Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the North/South line Feet from the East/W  Section Township Range Lot Idn Feet from the North/South line Feet from the East/W  Section Township Range Lot Idn Feet from the North/South line Feet from the East/W  Section Township Range Lot Idn Feet from the North/South line Feet from the East/W  Section Township Range Lot Idn Feet from the North/South line Feet from the East/W	Santa Fe, NM 87505  Santa Fe, NM 87505  WELL LOCATION AND ACREAGE DEDICATION PLAT  API Number  Pool Code SAN JUAN 28-7 UNIT  Operator Name  CONOCO, INC.  Section Township Range Lot Idn Feet from the South 2420 east  11 Bottom Hole Location If Different From Surface  Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line East/Wes

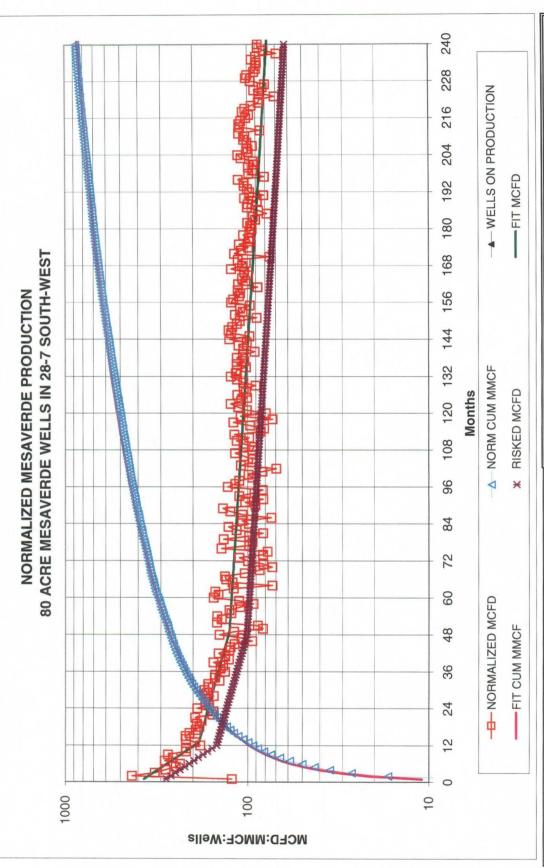
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16			<sup>17</sup> OPERATOR CERTIFICATION
		,	I hereby certify that the information contained herein is
		,	true and complete to the best of my knowledge and
٠.		,	belief.
			$(A \land A \land$
			Signature Diller
			DEBORAH MARBERRY
			Printed Name
			,
			REGULATORY ANALYST
			03/01/2002
		1	Date
			18SURVEYOR CERTIFICATION
			I hereby certify that the well location shown on this plat
		2112	was plotted from field notes of actual surveys made by
	i <del></del>	2420	me or under my supervision, and that the same is true
			and correct to the best of my belief.
			,
	 <u> </u>	1	Date of Survey
	8		Signature and Seal of Professional Surveyor:
	`		:
			-
			·
			ı
			Certificate Number



NORMALIZED AVG:		RISKED AVG: 30% RISK	
692 MMCF EUR	360 MCFD IP	469 MMCF EUR	252 MCFD IP
587 MMCF IN 20 YRS	50.0% DECLINE, 1ST 12 MONTHS	494 MMCF IN 40 YRS	50.0% DECLINE, 1ST 12 MONTHS
706 MMCF IN 40 YRS	18.0% DECLINE, NEXT 48 MONTHS	10 MCFD E.L.	18.0% DECLINE, NEXT 48 MONTHS
10 MCFD E.L.	7.0% FINAL DECLINE	0.000012 bbl/mcf oil yield	7.0% FINAL DECLINE
0.000012 bbl/mcf oil yield			

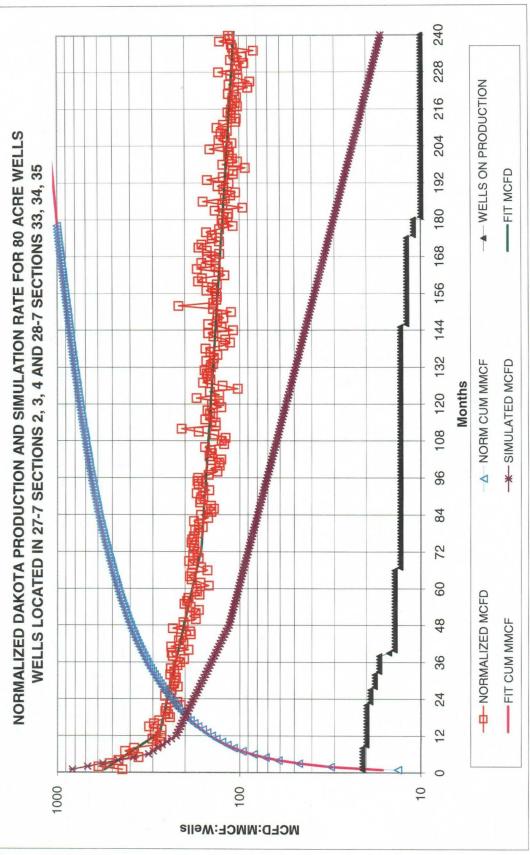
28-7 Unit wells number 176, 177, 240, 268, 269



NORMALIZED AVG:		RISKED AVG: 20% RISK		
1597 MMCF EUR	370 MCFD IP	41 MMCF EUR	296 MCFD IP	
851 MMCF IN 20 YRS	50.0% DECLINE, 1ST 12 MONTHS	1017 MMCF IN 40 YRS	50.0% DECLINE, 1ST 12 MONTHS	
1272 MMCF IN 40 YRS	12.0% DECLINE, NEXT 36 MONTHS	15 MCFD E.L.	12.0% DECLINE, NEXT 36 MONTHS	
15 MCFD E.L.	3.0% FINAL DECLINE	0.0043 bbl/mcf oil yield	3.0% FINAL DECLINE	
0.0043 bbl/mcf oil yield				

28-7 wells 6, 10, 48, 134, 195M, 225M, 226 60% EUR: 763 MMCF 60% IP: 222 MCF/D

60% IP: 222 MCF/D 40 years production.



NORMALIZED AVG:		80 ACRE SIMULATION EQUIVALENT	
2301 MMCF EUR	550 MCFD IP	636 MMCF EUR	1000 MCFD IP
1214 MMCF IN 20 YRS	50.0% DECLINE, 1ST 12 MONTHS	676 MMCF IN 40 YRS	90.0% DECLINE, FIRST 6 MONTHS
1790 MMCF IN 40 YRS	10.0% DECLINE, NEXT 60 MONTHS	15 MCFD E.L.	50.0% DECLINE, NEXT 6 MONTHS
15 MCFD E.L.	3.0% FINAL DECLINE	0.0060 bbl/mcf oil yield	20.0% DECLINE, NEXT 36 MONTHS
0.0060 bbl/mcf oil yield			11.4% FINAL DECLINE

27-7 wells 129, 129E, 130, 130E, 181, 181M, 182, 182M, 214, 214M. 28-7 wells 131, 131M, 133, 133M, 189, 189E, 191E, 191M, 225, 225E, 225M.