

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION HOBBS DISTRICT OFFICE

GOVERNOR

POST OFFICE BOX 1980 HOBBS, NEW MEXICO 88241-1980 (505) 393-6161

OIL CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501		DHC-1689
RE: Proposed: MC DHC X NSL NSP SWD WFX PMX		
Gentlemen:		
I have examined the applica	ation for the:	
Coloco INC Operator	WARKEN WALT # /00 Lease & Well No. Unit	28-20-35
Operator	Lease & Well No. Unit	S-T-R
and my recommendations are	as follows:	
becommend are moved.	and using a Beam per	<i>n</i> -n.
The contract of the contract o	y and y	
Yours very truly,		
Chris Williams Supervisor, District l		

rO Bok 1980, Hobbs, NM 88241 1980

State of New Mexico Energy, Minerals and Natural Rasources Department

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

OIL CONSERVATION DIVISION

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

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DITRICT II 811 South! First St. Artesia NM 88210 2835

DISTRICT III

APPLICATION FOR DOWNHOLE COMMINGLING

APPROVAL PROCE	ESS
Administrative He	arin
EXISTING WELLB	OR
X YES] N

1000 Rio Brazos Rd. Aztec, NM 87410 1693	APPLICATION FOR DOV	WHOLE COMMINGLING	YES 1	
Conoco Inc.	10	Desta Dr. Ste 100W, Midland	i, Tx. 79705-4500	
Warren Unit	100	P, Section 28, T-20-S, R-38-	E Lea	
GRID NO. 005073 Property Cod	well No Unit E	Specing 30-025-33016 Federal D	Unit Lease Types: (check 1 or more)	
The following facts ate submitted in support of downhole commingling:	Upper Zone	intermediate Zone	Lower Zone	
1. Pool Name and	Women Creature See Andrea			
Pool Code	Warren Grayburg - San Andres 96343		Warren - Glorietta 96247	
2. TOP and Bottom of Pay Section (Perforations)	3989 - 4534'		5364 - 5614'	
3. Type of production (Oil or Gas)	Oil		Oil	
4. Method of Production {Flowing or Artificial Lilt}	Bean Pump		Bean)pump	
5. Bottomhole Pressure	a (Current)			
Oil Zones - Artilicial Lift:	1	a .	a .	
	900		1300	
Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones:	b(Original)	b.	b.	
All Gas Zones: Estimated Or Measured Original	1350			
	1330		1600	
8. Oil Gravity (*API) or Gas BT Content				
	41.0		38.9	
7. Producing or Shut-In?	Producing		Shut-in	
Production Marginal? (yes or no)	Yes		Yes	
If Shut-In give date and oil/gas/ water rates of last production	Date Rates	Date Rates:	Incremental production Bales by subtraction	
Note For new zones with no production hiStory opplicant shad be required to attach production states and supportion dare.				
If Producing, date and oil/gas/ water rates of recent test (within 60 days)	Mid-year average Rates producing rates - see attached table	Dale Rates	Date Rates	
3. Fixed Percentage Allocation Formula -% or each zone	•it: Gas %	*II: Gas %	Oil: Gas	
Are all working, overriding, an If not, have all working, overridave all offset operators been Will cross-flow occur? You flowed production be recovered. Are all produced fluids from all will the value of production be	d royalty interests identical in a ding, and royalty interests beer given written notice of the property of th	Il commingled zones? In notified by certified mail? It commingled zones? In notified by certified mail? It commingled by certified mail? It commingles commingling? Inpatible, will the formations not a be reliable. It commingles with each others It committees with each other with	X Yes No Yes No X Yes No Yes No X Yes No X Yes No Of be damaged, will any cross No (If No, attach explanation Yes No X No X Yes N	
. If this well is on, or communiti: United States Bureau of Land	management has been notined	in writing of this application.	X_Yes No	
. NMOCD Reference Cases for F	ruia איטונט) Exceptions:	ORDER NO(S).		
• For zones with no pr • Data to support alloc • Notification list of al • Notification list of w	to be commingled showing its reach zone for at least one year coduction history, estimated proceeding method or formula. It offset operators. Forking, overriding and royalty ments, data, or documents requ	oduction rates and supporting	lanation.) data.	
ereby certify that the information	n above is true and complete to	o the best of my knowledge an	d belief.	
GNATURE DWY	1	TITLE Sr. Conservation Coord		
PE OR PRINT NAME JETTY W. H	laavaa	TELEPHONE NO		
			000-0048	

Warren Unit No.100 Down...le Commingle Applicatio...

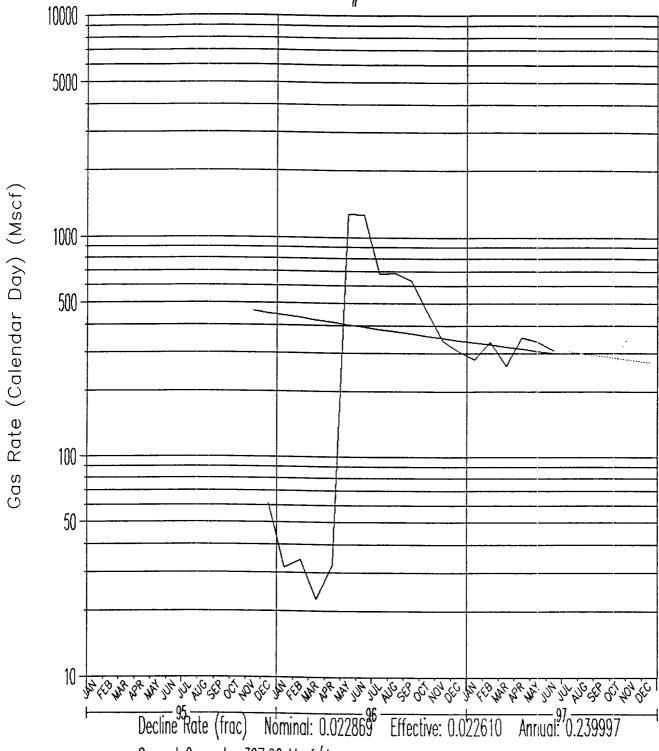
San Andres Production Forecast

DECLINE (%/YR)	Oil	0.3092
LOSS RATIO	Oil	0.6908
DECLINE (%/YR)	Gas	0.2400
LOSS RATIO	Gas	0.7600
INITIAL RATE (BOPD)		80
INITIAL RATE (MCFD)		308
NO.MONTHS 1ST YEAR		6
ECON LIMIT (BOPD)		1

Year	Forecasted Formation	Oil Annual Decline Constant	Gas Annual Decline Constant	Forecasted Oil Production (BO)	Forecasted Gas Production (MCF)	Forecasted Oil Production Daily Average (BOPD)	Forecasted Gas Production Daily Average (MCFPD)
2nd Half 1997	San Andres	0.3092	0.2400	13329	5:2507	73.0	287.7
1st Half 1998	San Andres	0.3092	0.2400	11078	45776	60.7	250.8
2nd Half 1998	San Andres	0.3092	0.2400	9207	39907	50.5	218.7
1st Half 1999	San Andres	0.3092	0.2400	7652	34791	41.9	190.6
2nd Half 1999	San Andres	0.3092	0.2400	6360	30331	34.8	166.2
1st Half 2000	San Andres	0.3092	0.2400	5286	26442	29.0	144.9
2nd Half 2000	San Andres	0.3092	0.2400	4393	23052	24.1	126.3
1st Half 2001	San Andres	0.3092	0.2400	3651	20097	20.0	110.1
2nd Half 2001	San Andres	0.3092	0.2400	3035	17520	16.6	96.0
1st Half 2002	San Andres	0.3092	0.2400	2522	15274	13.8	83.7
2nd Half 2002	San Andres	0.3092	0.2400	2096	13316	11.5	73.0
1st Half 2003	San Andres	0.3092	0.2400	1742	11609	9.5	63.6
2nd Half 2003	San Andres	0.3092	0.2400	1448	10120	7.9	55.5
1st Half 2004	San Andres	0.3092	0.2400	1203	8823	6.6	48.3
2nd Half 2004	San Andres	0.3092	0.2400	1000	7692	5.5	42.1
1st Half 2005	San Andres	0.3092	0.2400	831	5706	4.6	36.7
2nd Half 2005	San Andres	0.3092	0.2400	691	5846	3.8	32.0
1st Half 2006	San Andres	0.3092	0.2400	574	5097	3.1	27.9
2nd Half 2006	San Andres	0.3092	0.2400	477	4443	2.6	24.3
1st Half 2007	San Andres	0.3092	0.2400	397	3873	2.2	21.2
2nd Half 2007	San Andres	0.3092	0.2400	330	3377	1.8	18.5
1st Half 2008	San Andres	0.3092	0.2400	274	2944	1.5	16.1
2nd Half 2008	San Andres	0.3092	0.2400	228	2567	1.2	14.1
1st Half 2009	San Andres	0.3092	0.2400	189	2237	1.0	12.3
2nd Half 2009	San Andres	0.3092	0.2400	157	1951	0.9	10.7
1st Half 2010	San Andres	0.3092	0.2400	131	1701	0.7	9.3
2nd Half 2010	San Andres	0.3092	0.2400	109	1483	0.6	8.1

Conoco Inc.





Current Gas rate: 307.90 Mscf/d Economic Limit: 20.000 Mscf/d

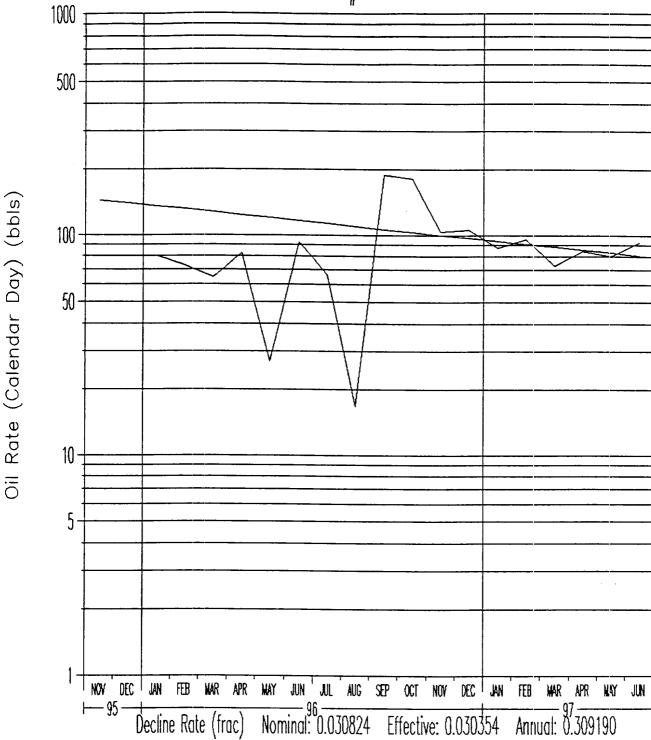
Cumulative Gas Produced: 234.70 MMscf

Remaining Reserves: 383.2 MMscf

Total Reserves: 617.9 MMscf - At the Economic Limit

Conoco Inc.





Current Oil rate: 80.0 bbls/d Economic Limit: 1.0 bbls/d

Cumulative Oil Produced: 48.6 Mbbls Remaining Reserves: 78.0 Mbbls

Total Reserves: 126.5 Mbbls - At the Economic Limit

District 1 PO Box 1980, Hobbs. NM 88241-1980 State of New Mexico Energy, Minerals & Natural Resources Department

Revised February 21, 1994 instructions on back

District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd. Aztec, NM 87410

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

PO Box 2088, Santa Fe. NM 87504-2088

AMENDED REPORT

		WE	LL LO	CATION	I AND A	CRI	EAGE DEDIC	CATION PL	AT		
AF	I Numbe	per 2 Pool Code 3 Pool N					3 Pool Nam				
	025-330										
4 Property (Code	5 Property Name 6 Well Number						ell Number			
03122		Warren Unit 100									
7 OGRID No.		0		40.0	<u>-</u>		or Name			9 E	levation
005073	3	Cond	oco inc.,	10 Desta			OW, Midland, T	(/9/05-4500) ————————————————————————————————————	l	3531'
10 Surface Location											
UL or lot no.	Section	Township	Range	Lot Idn	Feet from th	•	North/South line	Feet from the	East/We	st line	County
P	28	208	38E		990		South	740	Ea	East Lea	
							Different Fro				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	•	North/South line	Feet from the	East/We	st line	County
		<u> </u>	<u> </u>	<u>L</u>					:		
12 Dedicated Acres	13 Joir	nt or Infil 14	Consolidation	on Code 15 (Order No.				*		
40 NO 41 1 01	VADIE	WILL DE	ACCICNIC	D TO TH	C COLON F			NEED FORG II	AVENE	EN 1 003	IGOV ID A TED
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								carrect to th	e best of my	belief.	
								Date of Sun	ey		
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1980, Robbe, NM 88241-1960 Dustrict II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brezos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87604-2088

State of New Mexico Energy, Minerals & Natural Resources Depart

PO Box 2088 Santa Fe. NM 87504-2088

Form C-10 Revised February 21, 199 instructions on bac OIL CONSERVATION DIVISION Submit to Appropriate District Offic

State Lease - 4 Copie Foe Lease - 3 Copie

AMENDED REPOR

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Name Pool Code 'API Number Wildcat San Andres NA Property Name Vall Number Property Code 003127 WARREN UNIT 100 Operator Name OGRID No. Levetion 005073 CONOCO, INC. 3531' 10 Surface Location Section Township Bango Lot Idn Feet from the North/South line Feet from the Bant/Yest line UL or lot no. County 740 EAST -Ρ 28 20-S 38-E 990 SOUTH LEA Bottom Hole Location If Different From Surface Feet from the North/South line Feet from the East/Yest line Section Township Lot Idn County UL or lot no. "Joint or Infill "Consolidation Code "Order No. 16 Dedicated Acres 40 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

15 OPERATOR CERTIFICATION JERRY W. HOOVER SR. CONSERVATION COORDINATOR Title 5/25/95 SURVEYOR CERTIFICATION RL FOOT 740

Certificate Number

8278

Conoco, Inc. Warren Unit Well # 100 Section 28, T-20-S, R-38-E Lea County, New Mexico

RE: Application For Downhole Commingling

Offset Operators:

Conoco, Inc is the only offset operator