COATE IN	4	1/29	-/	98	SUSPENSE	1/19	/	98	E NGINEER	DC	LOGGED BY	\mathcal{M}	TYPE DHC	
		/ `	/	/ ' '		/ 	/-	+						

NEW MEXICO OIL CONSERVATION DIVISION



- Engineering Bureau -ADMINISTRATIVE APPLICATION COVERSHEET THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS Application Acronyms: [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [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] TYPE OF APPLICATION - Check Those Which Apply for [A] [1] Location - Spacing Unit - Directional Drilling □NSP \square SD □ NSL Check One Only for [B] and [C] Commingling - Storage - Measurement [B] ☑ DHC \Box CTB □ PLC Q PC OLS □ OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C] □ wfx \square PMX \square SWD ☐ IPI ☐ EOR ☐ PPR NOTIFICATION REQUIRED TO: - Check Those Which Apply, or \square Does Not Apply [2] [A] ☐ Working, Royalty or Overriding Royalty Interest Owners Offset Operators, Leaseholders or Surface Owner [B] ☐ Application is One Which Requires Published Legal Notice [C] Notification and/or Concurrent Approval by BLM or SLO [D] U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, [E][F] ☐ Waivers are Attached [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify

that all interest (WI, RI, ORRI) is common. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

	12	Miller		11 0101
Kay Maddox	Kay	Maddex	Regulatory Agent	4-24-48
Print or Type Name	Signatur		Title	Date

State of New Mexico Energy, Minerals and Natural Rasources Department

" PO Box 1980, Hobbs, NM 88241 1980

SITRICT II

811 SouthI First St. Artesia NM 88210 2835

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

OIL CONSERVATION DIVISION

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

-	APPROVAL PROCESS:
	Administrative Hearing

EXISTING WELLBORE ☐ YES 🛛 NO

APPLICATION FOR DOWNHOLE COMMINGLING

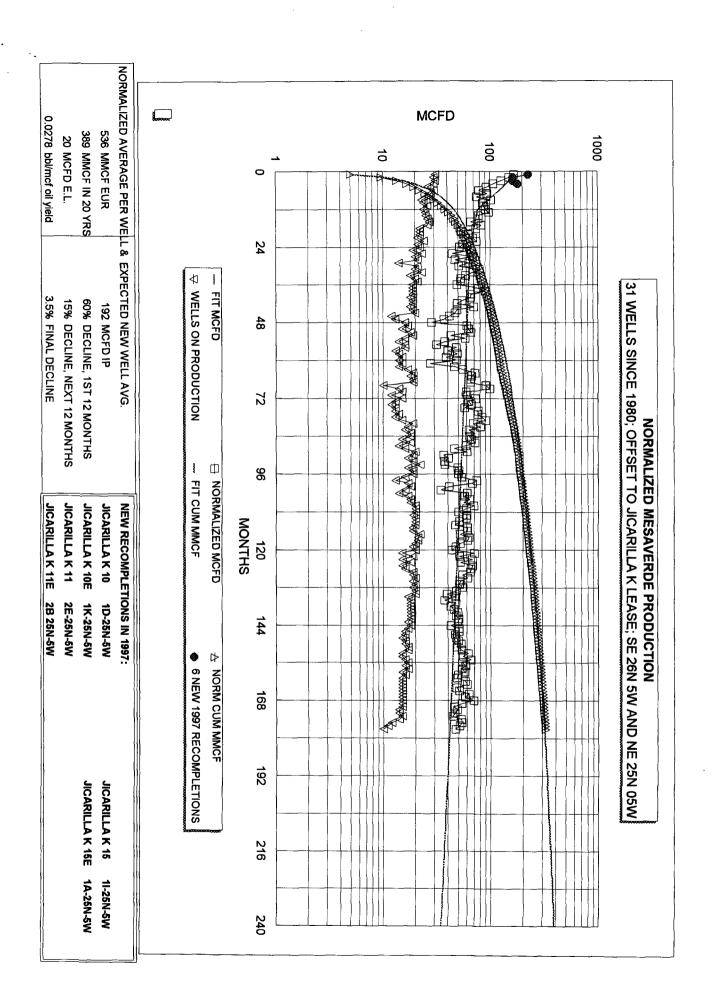
Conoco Inc.	10	Desta Dr. Ste 100W, Midland	, Tx. 79705-4500						
Departer licarilla K ease	# 14E	Section 11, T-25-N, R-5-W, I	B Rio Arriba						
OGRID NO. 005073 Property Code		Spacing	Unit Lease Types: (check 1 or more) , State (and/or) Fee						
The following facts ate submitted in support of downhole commingilng:	Upper Zone	intermediate Zone	Lower Zone						
1. Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599						
TOP and Bottom of Pay Section (Perforations)	5242-5603'		7226-7456'						
Type of production (Oil or Gas)	Gas		Gas						
Method of Production {Flowing or Artificial Lilt}	To Flow		To Flow						
5. Bottomhole Pressure Oil Zones - Artilicial Lift: Estimated Current Gas & Oil - Flowing: Measured Current All Gas Zones:	a (Current) 562 b(Original)	a. b.	a. 950 b.						
Estimated Or Measured Original 6. Oil Gravity (°API) or Gas BT Content	1321		2808						
7. Producing or Shut-In?	1260 To be Completed		To be Completed						
Production Marginal? (yes or no)	Yes (expected)		Yes (expected)						
If Shut-In give date and oil/gas/water rates of last production Note For new zones with no production history applicant shad be required to attach production estimates and supporting dara If Producing, date and oil/gas/water rates of recent test (within 60 days)	Date Rates Anticipated 1st Yr average 126 MCFD, 3.5 BOPD	Date Rates: Dale Rates	Date Rates Anticipated 1st Yr Average Rates 221 MCFD 2 2 BODD						
8. Fixed Percentage Allocation Formula -% or each zone	oil: Gas %	oit. Gas %	221 MCFD, 3.3 BOPD						
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? X Yes No No No No No No No No No No									
hereby certify that the informatio	n above is true and complete								
SIGNATURE HAY	Madd ox	TITLE Regulatory Agent	DATE						
YPE OR PRINT NAME Kay Made	dox	TELEPHONE NO.	(915) 686-5798						

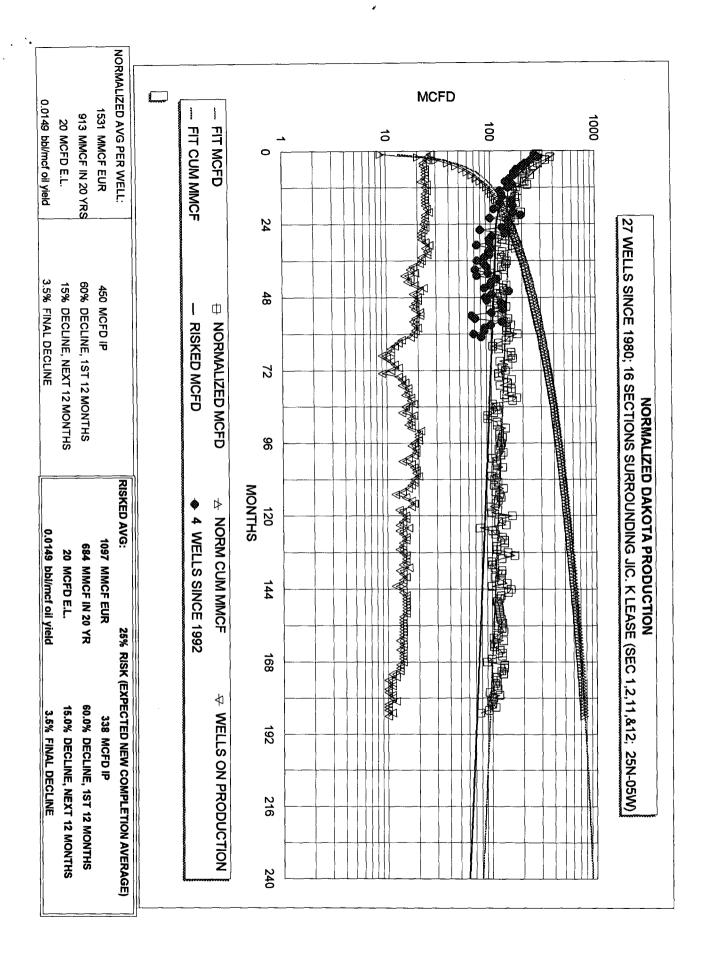
__TELEPHONE NO. <u>(915)</u> 686-5798

APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla K 14E, Unit Letter B, Section 11-T25N-R5W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla K 14E, estimated ultimate recoveries and initial production rates from infill wells to the Dakota and Mesaverde formations are clearly marginal in this area. Mesaverde estimated recoveries in particular do not justify drilling stand alone wells (389 MMCF recovery in 20 years, 536 MMCF ultimate recovery). Futhermore, production plots from each zone indicate a similar decline profile and a fixed allocation formula can be utilized. Upon completion, both zones will be tested and stabilized flow rates will be used to allocate production from each zone. This procedure is common practice in Conoco's 28-7 Unit and reference is made to Order R-10476-B as it applies to downhole commingling of marginal zones and the allocation of production between such zones.





SUBMIT IN TRIPLICATE! FORM APPROVED OMB NO. 1004-0136 Other instructions on UNITED STATES reverse side) Expires February 28, 1995 DEPARTMENT OF THE INTERIOR LEASE DSIGNATION AND SERIAL NO BUREAU OF LAND MANAGEMENT **CONT 145** 6 IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL OR DEEPEN JICARILLA 7 UNIT AGRREEMENT NAME DRILL 🖂 DEEPEN [8. FARM OR LEASE NAME WELL NO OTHER ZONE JICARILLA K #14E Conoco Inc. 9. API WELL NO a. ADDRESS AND TELEPHONE NO 10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500 10. FIELD AND POOL, OR WILDCAT 915-686-5794 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) Blanco MV/Basin Dakota 1190' FNL & 1580' FEL 11. SEC, T., R., M., OR BLK AND SURVEY OR AREA At proposed prod. zone 1190' FNL & 1580' FEL Sec. 11, T25N, R5W 14. DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE. 12 COUNTY OR PARISH Rio Arriba NM 5. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig, unit line, if Any)
8. DISTANCE FROM PROPOSED LOCATION* 17. NO. OF ACRES ASSIGNED TO THIS WELL 16 NO OF ACRES IN LEASE 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT, 7756' 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORK WILL START* 6713' GR 4/15/98

IZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	K-55, 8-5/8"	24#	300'	130 sxs, circ.
7-7/8"	K-55, 5-1/2"	15.5#	7456'	1085 sxs,circ.

It is proposed to drill verical wellbore to be downhole commingled in the Blanco Mesaverde and Basin Dakota Pools following the acquisition of sufficient production test data for allocation purposes. A downhole commingling application will be filed with the BLM and NMOCD prior to commingling. A NOS was filed 10/31/97. This well will drilled and equipped according to the following attachments:

- 1. Well Location & Acerage Dedication Plat (C-102) and other associated plats.
- 2. Proposed Well Plan Outline.
- 3. Cementing Plan.

 $\frac{2}{2}$ 3

am Mag 1

L. TYPE OF WORK

b. TYPE OF WELL WELL

2. NAME OF OPERATOR

- 4. Blowout Preventer Hookup.
- 5. Surface Use Plan with Production Facility Layout.
- 6. Pipeline survey plat.

This application includes POW/s for the smallest and server as a

9/1/ 4/2/	Mike L. Mankin Right-of-Way Agent	Moreh 4, 100
SIGNED //	TITLE RIGHT-OF-Way Agent	DATE March 4, 199
(This space for Federal or State of	fice use)	
PERMIT NO	APPROVAL DATE	
Application approval does not warrant or cert	tify that the applicant holds legal or equitable title to those righs in the si	ubject lease which would entitle the applicant to conduct operation

District III District III (000 Pia Brazos Rd. Aztec, NM 87410

Cleathict EV PO Box 2088, Santa Fe, NM 87504-2088

GIL CONSERVATION DIVISION PO Box 2088 Santa Fe. NM 87504-2088

District New March

Fight (1-1) Revised Represent 21, 133, Instructions on bac-Domit to Appropriate District Office State Lease - 4 Copies Ree Lease - 3 Copies Chergy Minler No. 8 National Hespith Consider the fi

AMENDED REPORT

			WELL	LOCAT	TON AND	AC	REAGE DED!	CATION .	PLAI				
7	PI Number	•		'Pool Co	de	'Pao! Name							
			72319/71599				Blanco Mesaverde/Basin Dakota						
*Property	Code					erty				. Me	11 Number		
18023							LA K				14E		
OGA (D	VO.					ator				levation			
00507	3				CONO	UU,	INC.			5713			
					10 Surfac	ce L	ocation						
UL or lat no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the		est line	County		
В	11	25N	5W		1190		North	1580	Ea	st	ARRIBA		
		11 B	ottom	Hole (_ocation	ı If	Different	From Su	ırface				
UL or lat no.	Section	Township	Range	Lot Ion	Feet from	the	North/South line	Feet from the	East/We	est line	County		
12 Dedicated Acres	•	13 Joint or Ini	fill 14 Cons	solidation Cod	e ¹⁵ Order No) .							
320													
NO ALLOW	VABLE W	ILL BE A	ASSIGNE	D TO TH	IS COMPL	ETIO	N UNTIL ALL	INTERESTS	HAVE BE	EEN CON	SOLIDATED		
		OR A	NON-S1	TANDARD	LINIT HAS		APPROVED	BY THE DI	VISION				
16			52	273.40	•	1					FICATION		
						!		hereby rue and	certify that the	e information best of my	n contained herein is knowledge and belief		
,		,			<u> </u>	1							
		}			<u>=</u>								
		1				1	1 22 0 0 1		<i>t</i> /	/	1		
							1580'		1. 1 .	1 /2/	/		
 		<u> </u>					·		file 1	Mai.	1~		
		· ·				i		igna					
									Mike L. ed Name	мапк	. <u>in</u>		
		1				1			eu Name ght-of-	-wav A	laent :		
								itle			,		
. 00								. 00		- 9 <i>Y</i>	,		
l ·				# 1		i		· 💳 ate					
080				T _T				- 00 SUI	RVEYOR	CERTI	FICATION		
52		•				!		nereby nereby	centify that th	e well locat: otes of actua	ion snown on this plat al surveys made by me		
								priect	my supervision, to the best of m	and that the y Delief.	same is true and		
		ĺ				i		N.I	OVEMBER	19.	1997		
						;							
<u> </u>		<u> </u>				— - i			and Seal of Pe	ofes adal S	reyor .		
									15		90		
		1						70	12/4	MEXIC	PROS		
		!				į			ZZ	6857	2		
									七十	2/1	9		
		1				i			8324	in.	13/		
			53	270.76	•			er(ti	ficate tug	DEFESSION	IAL		
		·		7 111 111 1									

Jicarilla K #14E Section 11, T-25-N, R-5-W, B Rio Arriba, New Mexico

RE: Downhole Commingle C107A Application

Notification of Offset Operators:

Amoco PO Box 800 Denver, CO 80201

A copy of the C-107A has been sent to the above listed party/parties.