STRICT II

811 Southl First St. Artesia NM 88210 2835

State of New Mexico Energy, Minerals and Natural Rasources Department

OIL CONSERVATION DIVISION

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

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

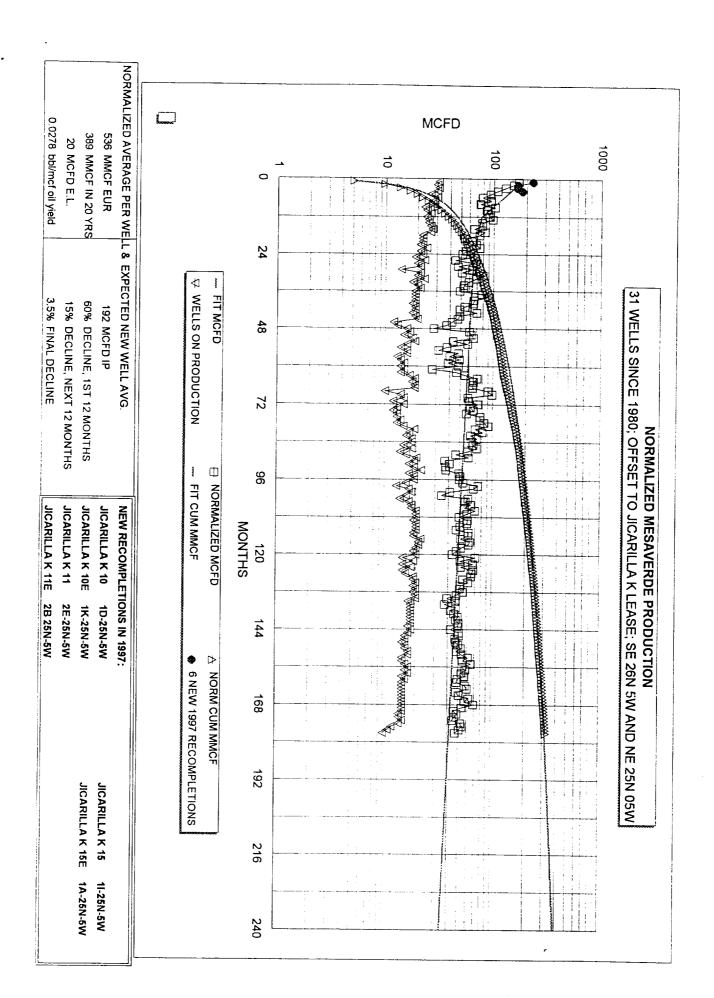
-	APPROVAL PROCESS
	Administrative Hearing
	EXISTING WELLBORE
	T YES MINI

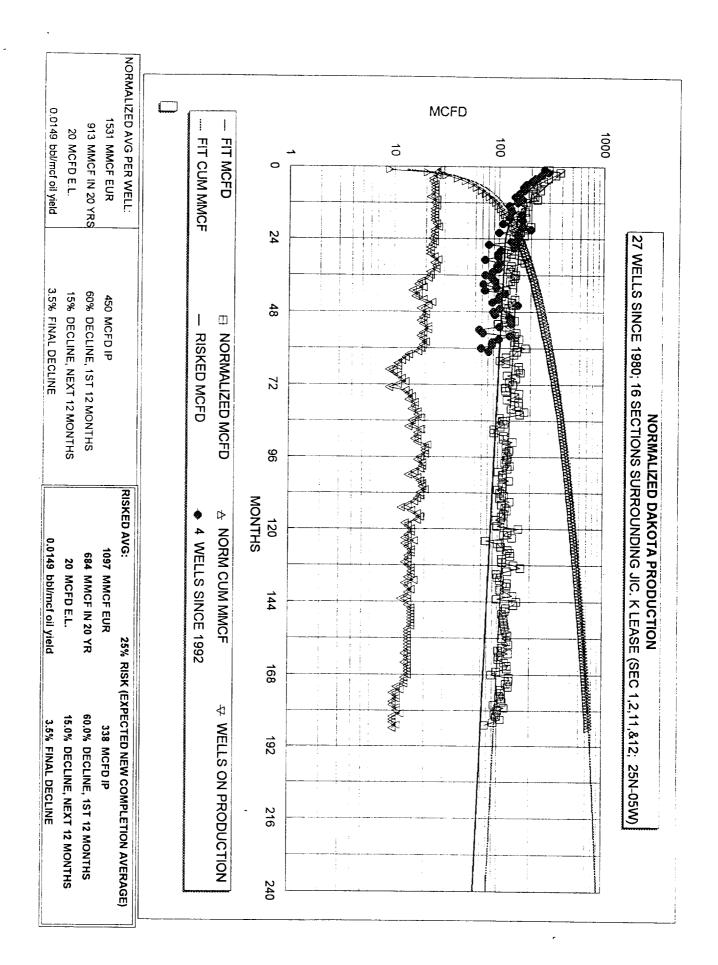
1000 Rio Brazos Rd. Aztec. NM 87410-1693	APPLICATION FOR DOI	WNHOLE COMMINGLING	YES NO
Conoco Inc.	11	Desta Dr. Ste 100W, Midlan	d, Tx. 79705-4500
icarilla K	# 14E	Section 11, T-25-N, R-5-W,	, Β Rio Arriba
GRID NO 005073 Property Coo	de 18023 API NO	Specir Federal	ig Unil Lease Types (check 1 or more) . State [] (and/or) Fee []
The following facts are submitted in support of downhole commingling	Upper Zone	intermediate Zone	Lower Zone
Pool Name and Pool Code	Blanco Mesaverde		Basin Dakota 71599
2 TOP and Boltom of Pay Section (Perforations)	5242-5603'		7226-7456'
1 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production {Flowing or Artificial Lilt}	To Flow		To Flow
5 Bottomhole Pressure	a (Current)	a	a.
Oil Zones - Artilicial Lift Estimated Current	562		950
Gas & Oil - Flowing Measured Current All Gas Zones.	b(Original)	ь	ь
Estimated Or Measured Original	1321		2808
6 Oil Gravity (*API) or Gas BT Content	1260		1248
Producing or Shut-In?	To be Completed		
Production Marginal? (yes or no)	Yes (expected)		To be Completed Yes (expected)
→ If Shut-In give date and oil/gas/	Date	Date	Date Carpected)
water rates of lisst production tale For new zones with no production history	Rates	Rates	Rales
acoicant shad be required to attach production estimates and supporting dara	Anticipated 1st Yr		Date Anticipated 1st Yr
- If Producing. date and oil/gas/ water rates of recent lest (within 60 days)	Raies average 126 MCFD, 3.5 BOPD	Pale Rales	Average 221 MCFD, 3.3 BOPD
B. Fixed Percentage Allocation Formula -% or each zone	Gas	t Gas	On Gas
If allocation formula is based u submit attachments with supp	pon something other than curr orting data and/or explaining n	ent or past production, or is be nethod and providing rate proje	ased upon some other method, ections or other required data.
Are all working, overriding, and	d royalty interests identical in a ding, and royalty interests bee	ill commingled zones?	X Yes — No Yes — No X Yes — No
	es No II yes, are fluids co	mpatible, will the formations n	of be damaged, will any cross- No (If No. attach explanation)
2 Are all produced fluids from al	commingled zones compatible	e with each others X	Yes No
Will the value of production be			es, attach eminition
If this well is on, or communitied United States Bureau of Land	zed with, state or federal lands Management has been notifie	s, either the Commissioner of t d in writing of this application.	Public Land以是 6 邑
NMOCD Reference Cases for F		ORDER NO(S).	MAY 4
• Froduction curve fo • For zones with no pi • Data to support allow • Notification list of w • Notification list of w	e to be commingled showing its reach zone for at least one ye roduction history, estimated po- cation method or formula. If offset operators, working, overriding and royalty ments, data, or documents req	ar. (If not available, attach exp roduction rates and supporting	Planation.) O[L CO[rest cases DIST
nereby certify that the information	n above is true and complete t	o the best of my knowledge a	nd belief.
GNATURE Fay 7	Maddox	TITLE Regulatory Agent	DATE 4/24/98
PE OR PRINT NAME Kay Madd	lox	TELEPHONE NO.	(915) 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.





PROPERTY OF TRACES (O)her mateustians on raverse side)

FORM APPROVED OMB NO. 1004-0136 Expires February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
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APPL	o IF INDIAN, ALLOTTEE OR TRIBE NAME						
LE TYPE OF WORK	JICARII						
b syre or well	ener 🔯				TUNIT AGRREEMENT N		
OH. WHALE	WELL OTHER		10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	181.2	3 FARM OR LEASE NAME WE	LLNO	
2. NAME OF OPERATOR	Conoco Inc.				JICARILLA	K #14E	
L ADDRESS AND TELEPHONE Y			<u></u>		4 APIWELL NO		
10 Desta LOCATION OF WEL At surface	Dr. Ste 430E, Midland	d, Tx. 79705-4500 and in accordance with 1190' FNL & 1	any State requirements *)	94	10. FIELD AND POOL, O Blanco MV/Ba		
At proposed prod zo	ne	1190' FNL & 1	580' FEL		Sec. II. T25	ea N. R5W	
5. DISTANCE FROM PROP				!	12 COUNTY OR PARISH Rio Arriba	13 STATE NM	
LOCATION TO NEARES	ST LINE, FT Ig. unit line, if Any)	16	NO OF ACRES IN LEASE	17 NO OF	FACRES ASSIGNED HIS WELL 320		
8 DISTANCE FROM PROP	POSED LOCATION -	19	PROPOSED DEPTH	20. ROTAR	TY OR CABLE TOOLS		
OR APPLIED FOR, ON TH	IIS LEASE, FT,		7756'	-	Rotary		
1. ELEVATIONS (Show wi	nether DF, RT, GR, etc.)				22. APPROX. DATE WO	RK WILL START	
3		6713' GR			4/15/9	8	
		PROPOSED CASING	AND CEMENTING PROGRA	М			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	it	
11"	K-55, 8-5/8"	24#	300'	<u> </u>	130 sxs, circ.		
7-7/8"	K-55, 5-1/2"	15.5#	7456'		1085 sxs, circ.		
equisition of surficient	verical wellbore to be do ent production test data for commingling. A NOS v	or allocation purpos	ses. A downhole commin	igling appli	cation will be filed w	ith the DIM	

attachments:

- 1. Well Location & Acerage Dedication Plat (C-102) and other associated plats.
- 2. Proposed Well Plan Outline.
- 3. Cementing Plan.
- 4. Blowout Preventer Hookup.
- 5. Surface Use Plan with Production Facility Layout.
- 6. Pipeline survey plat.

This application includes ROW's for the wellpad and access road.

110 NEO 1/1 / 1/1/2 /-	Mike L. Mankin Right-of-Way Agent	OATE March 4, 1998
(This space for Federal or State office use)		
PERMIT NO	APPROVAL DATE	
Application approval does not warrant or certify that the applicant CONDITIONS OF APPROVAL, IF ANY:		

22/5/00/100 P1 30 Week 35 Arteq.a NM -98011-0719 22/5/00/100 P1 Arteg. NM -87410

The Section of the Moreovita 1990.

03L CONSERVATION 01/1313. PO Box 2088 Santa Fe, NM 87504-2088

Cleryy Micherall S. Naturyl Hebbaro 2012 Jacobson

State of New Mark

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...atrust 17 -8 atr 2008 Santa Fa NM 82504-2088

MENGED REPORT

			WELL	LOCAT	ION AND A	AGREAGE DED	JERAFINA P	A. T		
1481 Number				'Pao! Code 'Pao! N						
	_		723	19/715	599	Blanco Mesa				
*Procent,	Code				'Propert	.y ∾ame	iverde/ bas	in Dakota	Well Number	
18023				JICARI	LLA K			14E		
) CGA (D					*Operato				'Elevation	
00507	73				CONOCO	, INC.			6713	
LL or lating	Section	Township	Range		¹⁰ Surface					
В	1 1	25N	5W	Lot Ion	Feet from the	Nonth/South line	Fast from the	East/West line	Cause,	
		<u> </u>			1190	North	1580	East	PIO ARRISA	
UL on latino.	Section	Township	Bottom	Hole L	OCATION I	<u>f Different</u>		ace		
				C3C 1G	reet from the	North/South line	Feet from the	East/West line	County	
2 Dedicated Acres	<u> </u>	13 Joint on In	fill 14 Const	olidation Code	15 Orden Na.					
320										
	WABLE W	ILL BE A	ASSIGNED) TO TH	IS COMPLETI	ON UNTIL ALL	INTERESTS L	MAVE DEEN CO	NCOL TO LTT	
		OR A	NON-ST	ANDARD	UNIT HAS R	EFAL APPROVED	PY THE DIVI	SION	DINSOFT TO VED	
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υ,					•	: [under my su	Ty that the well location field notes of actu- bervision, and that the	tion shown on this plat wal surveys made by the B same is thus and	
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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.