# 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

## BITRICTII 811 Southi First St. Artesia NM 88210 2835

DISTRICT III

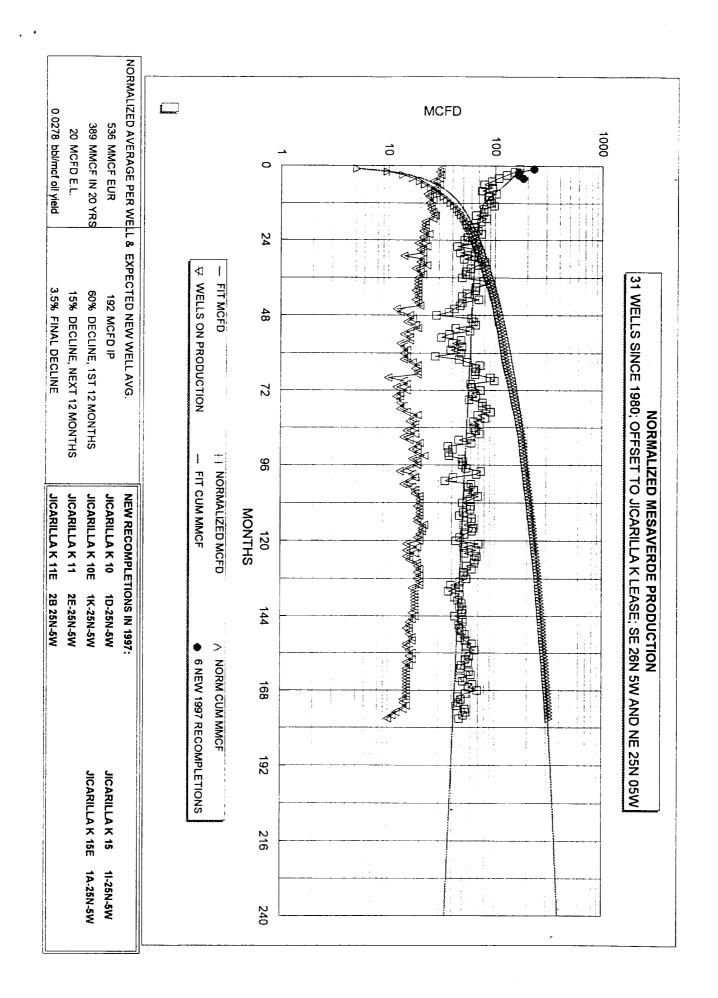
110 W 3-12-30
APPROVAL PROCESS
Administrative Hearing
EXISTING WELLBORE
🗌 YES 🔀 NO

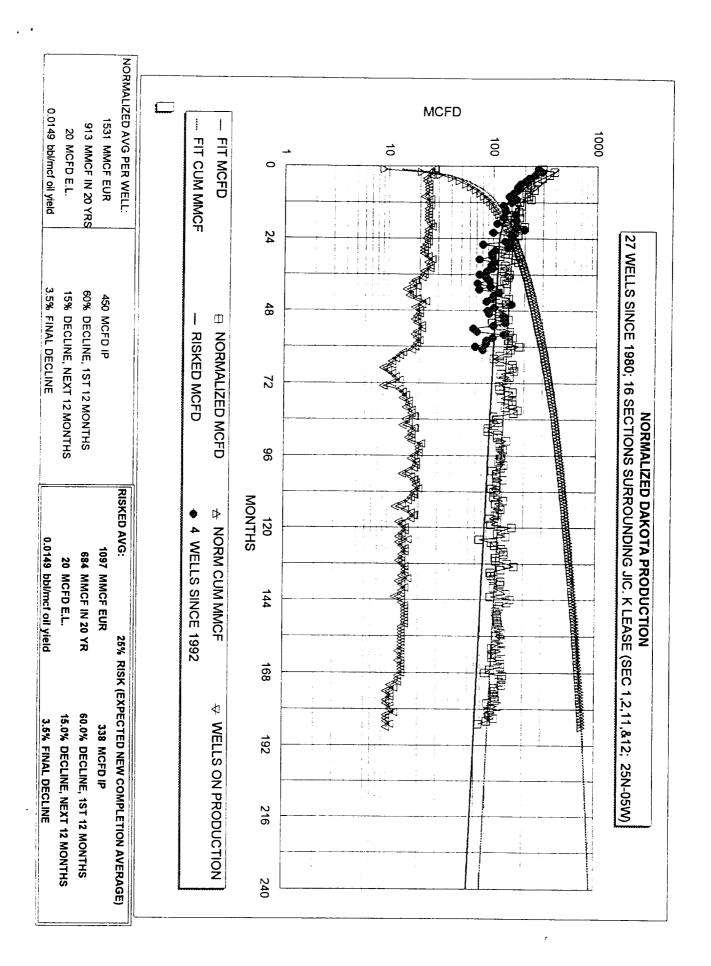
00 Rio Brazos Rd. Aziec. NM 87410 1693	APPLICATION FOR DOV	WNHOLE COMMINGLING	☐ YES ⊠ NO
Conoco Inc.	10	) Desta Dr. Ste 100W, Midlan	d, Tx 79705-4500
Jicarilla K	# 17 E	Section 12, T-25-N, R-5-W,	O Rio Arriba
GRID NO. 005073 Property Cod		Spacin	g Unit Lease Types (check t or more)  State (and/or) Fee
The following facts are submitted in support of downhole commingling.	Upper Zone	intermediate Zone	Lower Zone
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2 TOP and Bottom of Pay Section (Perforations)	5922-6283'		7899-8129'
3 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lilt)	To Flow		To Flow
5 Bottomhole Pressure Oil Zones - Artificial Lift Estimated Current	a (Current)	a	a 963
Gas & Oil - Flowing Measured Current All Gas Zones' Estimated Or Measured Original	b(Original)	D	2849
6 Oil Gravity ("API) or Gas BT Content	1260		1248
7 Producing or Shut-in?	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 Isst production	Date Rates	Date	Date Raies
Note For new zones with no production history applicant shad be required to allach production estimates and supporting data.			
If Producing. date and oil/gas/ water rates of recent test (within 60 days)	Anticipated 1st Yr average 126 MCFD, 3.5 BOPD	Dale Rates	Anticipated 1st Yr Average 221 MCFD, 3.3 BOPD
8 Fixed Percentage Allocation Formula -% or each zone	Gas	Gas .	Gas
Are all working, overriding, an If not, have all working, overri	porting data and/or explaining n	nethod and providing rate proje all commingled zones? In notified by certified mail?	ased upon some other method, ections or other required data.  X Yes No Yes No No Yes No
<ol> <li>Will cross-flow occur? X Y flowed production be recovered</li> </ol>	es No If yes, are fluids co ed, and will the allocation formu		ot be damaged, will any cross- No (If No, attach explanation)
2 Are all produced fluids from a	Il commingled zones compatibl	e with each others X	Yes No
3 Will the value of production be	e decreased by commingling?	Yes _x_No (If Ye	es, attach explanation)
4 If this well is on, or communitie United States Bureau of Land	ized with, state or federal lands I Management has been notifie	s, either the Commissioner of din writing of this application.	Public Lands of the
5 NMOCD Reference Cases for	Rule 303(D) Exceptions:	ORDER NO(S).	
*Production curve for Forzones with no posta to support allow Notification list of a Notification list of the Notificatio	e to be commingled showing its or each zone for at least one ye oroduction history, estimated p leation method or formula. all offset operators, working, overriding and royalt ements, data, or documents req	ar. (If not available, attach ex- roduction rates and supporting y interests for uncommon inter	planation ) plata. plata. prest cases OIL CON
hereby certify that the information	Milling	to the best of my knowledge a	
IONATURE	, [ ~ · · · · ]	TITLE Regulatory Agent	UATE 70-1/10
YPE OR PRINT NAME Kay Mad	dox	TELEPHONE NO.	(915) 686-5798

# APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla K 17E, Unit Letter O, Section 12-T25N-R5W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla K 17E, 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.





# UNITED STATES DEPARTMENT OF THE INTERIOR

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A SHOP OF ACIES	JICARILLA								
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West Comments	Maria Office			7 (1) ZOSE		Fin NRM CRICENSE MAME WELLING			
SAME DE OPERA FOR CONOCO Inc.						JICARILLA K #17E			
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	Dr. Ste 430E, Midlan	d Tu 70706 4	500	21.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4					
LOCATION OF WELL	(Report location clearly a	nd in accordance v	vith any	915-686-579	4	10 FIELD AND POOL, OR WILDCAT			
At surface 790' FSL & 1850' FEL						Blanco MV/Basin Dakota			
At proposed prod-zon	e					AND SURVEY OR AREA			
0.57. 10.5.19.44.50		790' FNL				Sec. 12, T25N, R5W			
DIS. ANCE IN MILES A	ND DIRECTION FROM NEA	EST TOWN OR PO!	TOFIC	E•		12 COUNTY OR PARISH LI STATE			
5. DISTANCE FROM PROPO	cen.	·	<u> </u>			Rio Arriba NM			
LOCATION TO NEAREST PROPERTY OR LEASE I	INF FT		16.00	OF ACRES IN LEASE	17. NO. OF	FACRES ASSIGNED HIS WELL			
(Also to nearest dri	t. unit line, if Anv)					320			
TO NEAREST WELL, DR OR APPLIED FOR, ON THI	ILLING, COMPLETED.		19. PK	OPOSED DEPTH	20. ROTAR	RY OR CABLE TOOLS			
1. ELEVATIONS (Show who	· ·		L	8429'		Rotary			
•	, , , , , , , , , , , , , , , , , , , ,	7379' GR				22. APPROX. DATE WORK WILL START			
3			AC 7 AL	CEMENTING PROGRAM		4/15/98			
SIZE OF HOLE	GRADE, SIZE O' CASING	WEIGHT PER FO			1	OVANITIVA OF ORVINI			
11"	K-55, 8-5/8"	24#	SETTING DEPTH		QUANTITY OF CEMENT				
7-7/8"	K-55, 5-1/2"	15.5#		8129'	<del> </del>	130 sxs, circ. 1180 sxs,circ.			
					<del> </del>	1100 383,646.			
<ul> <li>ttachments:</li> <li>Well Location &amp; A</li> <li>Proposed Well Plan</li> <li>Cementing Plan</li> <li>Blowout Preventer</li> </ul>	cerage Dedication Plat 1 Outline. Hookup. rith Production Facility	(C-102) and oth			l equipped	according to the following			
ABOVE SPACE DESCR	des ROW's for the well	M: If proposal is to de	epen give rue vertic Mik	data on present productive z al depths. Give blowout preven e L. Mankin ht-of-Way Agent	one and propo ter program, if	osed new productive zone. If proposal is to drill of any.  DATE March 4, 1998			
(This space for Fede	ral OKState office USE)				. ====	UNIE			
PERMIT NO				APPROVAL DATE					
	of warrant or certify that the appli	licant holds legal or eq	 uitable titt		ase which was	uld entitle the applicant to conduct operations ther			
CONDITIONS OF APPROVAL		- <b>3</b>				and a made and applicant to control operations the			
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YE GBY OPESA		TITLE .		<del> </del>		_ DATE			

Total Communication (September 2019) 

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WELL LOCATION AND ACREAGE SECTION 5141

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18023		JICARILLA K							ell Number 17E		
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00507	3			CONC	NOTE THE			7373			
					<sup>10</sup> Sunfa	ice (	_ocation		<del></del>	<u></u>	
	Section	Fownship	Pange	Lat Jan	Feet from		North/South line	F	et from the	East/West line	County
	12	25N	51		790		South		1850	East	
U. or lot no.			ottom	Hole L	ocation	n If	Different	<u>-</u> Fr	cm Surf	are	<u>L ARPIBA</u>
1	Section	10MUSU 10	Pange	Lat Ian	Feet from	೮೧೮	North/South Tune	Fe	et from the	East/West line	County
2 Dedicated Acres	<u> </u>	Sount or Infil	. 1.4								
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Jicarilla K #17E Section 12, T-25-N, R-5-W, Rio Arriba County, TX

RE: Application C-107A to Downhole Commingle

# **Notification of Offset Operators:**

Burlington Resources PO Box 4289 Farmington, NM 87499

Amoco PO Box 800 Denver, CO 80201

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

## CONDITIONS OF APPROVAL FOR DOWNHOLE COMMINGLING

Operator	Conoco Inc.	Well Name	Jic.	145	K :	#17E	

- 1. The individual production zones will be tested every three years, or more often if production rates indicate a change to allocation factors, to verify that the allocation factors and methods remain proper.
- 2. Production from downhole commingled wells are to be reported with an alpha character, "C" (ie C1, C2, etc).
- 3. The following modifications to your downhole commingling program are to be made:

Submit production allocation formula upon completion of testing.

Submit well bore diagram upon completion of well.