SITRICT II

DISTRICTIII

d11 South) First St. Ariesia 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

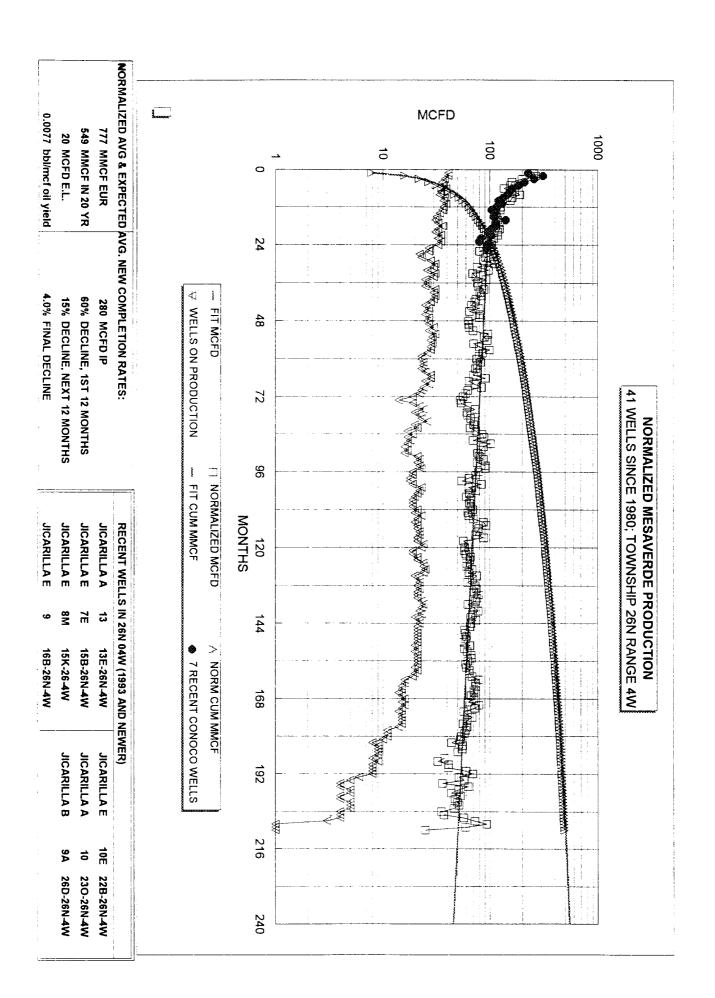
APPLICATION FOR DOWNHOLE COMMINGLING

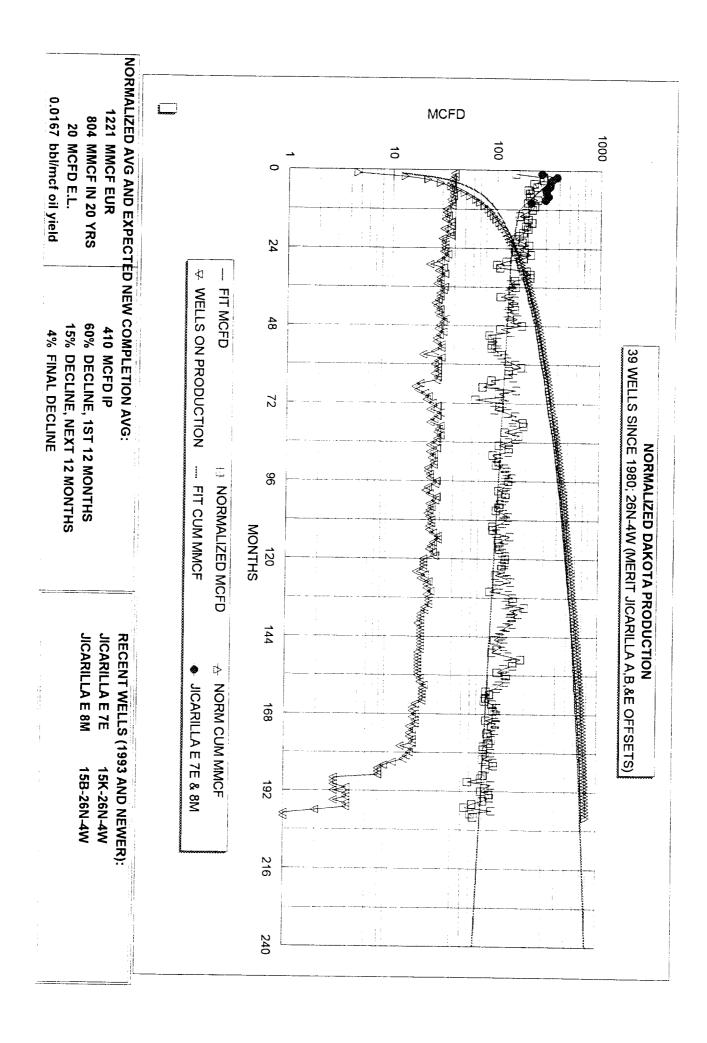
Conoco Inc.		0 Desta Dr. Ste 100W, Midlar	nd, Tx. 79705-4500		
Jicarilla B	#13M	Section 36, T-26-N, R-4-W			
GRID NO 005073 Property Co		Spacing Unit Lease Types (check for more) Federal . State . {andiar} Fee			
The following facts ate submitted in support of downhole commingling	Upper Zone	intermediate Zone	Lower Zone		
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599		
? TOP and Bottom of Pay Section (Perforations)	5818-6282'		7908-8132'		
(Oil or Gas)	Gas		Gas		
Method of Production {Flowing or Artificial Lilt}	To Flow		To Flow		
Bottomnole Pressure Il Zones - Artilicial Lift Estimated Current as & Oil - Flowing	a (Current)	a.	a. 1087		
Measured Current Gas Zones Estimated Or Measured Original	b(Original)	b	2477		
Oil Gravity (*API) or Gas BT Content	1281		1308		
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 list production interior new times with no production listory policinit shad be required to attach production	Date Rates	Date	Date Rules		
If Producing date and oil/gas: water rates of recent test (within 60 days)	Oale Anticipated 1st Yr Rates average 183 MCFD, 1.4 BOPD	Dale Rates	Date Anticipated 1st Yr Average 288 MCFD, 4.5 BOPD		
Fixed Percentage Allocation Formula -% or each zone	t 3 345	od Gas	Out Gus		
Are all working, overriding, and if not, have all working, overriding, and if not, have all working, overriding, and if not, have all offset operators been will cross-flow occur? X Ye flowed production be recovere Are all produced fluids from all will the value of production be if this well is on, or communitized this decrease of Land	zed with, state or federal lands Management has been notified	Il commingled zones? Il commingled zones? In notified by certified mail? It commingled to commingling? In patible, will the formations in the present of the commingling? In patible, will the formations in the commingling? It is a commingled to commingle the commingle	X Yes No No Yes No Yes No Yes No Yes No No No No No No No No No (If No, attach explanation)		
MOCD Reference Cases for F	Rule 303(D) Exceptions:	ORDER NO(S).	lication OF CE		
For zones with no pr Data to support alloc Notification list of al Notification list of w	to be commingled showing its cach zone for at least one year oduction history, estimated pration method or formula. I offset operators, orking, overriding and royalty nents, data, or documents requ	oduction rates and supporting	data.		
reby certify that the information	a above is true and complete to	o the best of my knowledge an	d belief.		
NATURE May	Maddex	TITLE Regulatory Agent	_DATE 2/24/98		
OR PRINT NAME Kay Madde	DX	TELEPHONE NO. (915) 686-5798		

APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla B 13M, Unit Letter D, Section 36-T26N-R4W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla B 13M, 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 (549 MMCF recovery in 20 years, 777 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.





SCHMIT IN TRIPLICATE. UNITED STATES
DEPARTMENT OF THE INTERIOR

(Other instruction is in reverse side)

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

BUREAU OF LAND MANAGEMENT						1	S CEASE DSIGNATION AND SERIAL NO	
APPL	Cont. 106 6 IF INDIAN, ALLOTTEE OR TRIBE NAME							
APPLICATION FOR PERMIT TO DRILL OR DEEPEN						_1		
DRILL 🛛 DEFPE			4 🗆			Jicarilla TUNIT AGRREEMENT NAME		
OTTER DEWELL	3A.; K ZI	_						
ANAME OF OPERATOR	WELL OTHER CINOS WILL OTHER							
Conoco Inc.						Jicarilla B-13M		
ADDRESS AND TELEPHONE NO					····	2 API WELL NO		
10 Desta	Dr. Ste 430E, Midla	and Tv 79705 44	500		• -			
LOCATION OF WEL	10 FIELD AND POOL, OR WILDCAT							
+ LOCATION OF WELL (Report location clearly and in accordance with any State requirements *) At surface 1060' FNL & 1040' FWL At proposed prod. zone 1060' FNL & 1040' FWL						Blanco MV/Basin Dakota		
						II SEC. T. R., M. OR B AND SURVEYOR AR	LK. EA	
						Sec. 36, T26N, R4W		
DISTANCE IN MILES A	NO DIRECTION FROM NE	AEST TOWN OR POS	T OFICE.			12 COUNTY OR PARISH	T	
						Rio Arriba	13 STATE	
5 DISTANCE FROM PROPOSED* LOCATION TO NEAREST			16 NO OF ACRES IN LEASE 17 NO			F ACRES ASSIGNED	NM	
PROPERTY OR LEASE. (Also to nearest drl	LINE, FT & unit line (f.A)		1			TO THIS WELL		
5 DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL DRILLING COMPLETED 19 PROPOSED DEPTH 20 ROTA						320 RY OR CABLE TOOLS		
OR APPLIED FOR, ON THIS LEASE, FT,			8432'			Rotary		
ELEVATIONS (Show whether DF, RT, GR, etc.)						22. APPROX. DATE WORK WILL START		
7089' GR						1/1/98		
		PROPOSED CASIN	IG AND CEMENTIN	G PROGRAM				
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	· · · · · · · · · · · · · · · · · · ·	G DEPTH	Ţ	OULVETTY OF STATE		
12-1/4"	K-55, 9-5/8"	36#		00'	 	QUANTITY OF CEMENT		
8-3/4"	K-55, 7"	23#		73'	 	170 sxs, circ. 555 sxs, circ.		
6-1/4"	K-55, 4-1/2"	11.6#		32'	 	515 sxs, toc @ 3500'		
Well Location & A Proposed Well Plan Cementing Plan. Blowout Preventer Surface Use Plan w 7.5" quandrangle T Wellsite Layout. Cut & Fill Diagram Access Road Plat.	Hookup. ith Production Facility opo Map es ROW's for the well	t (C-102). y layout.	ond.					
	IBE PROPOSED PROGRA ent data on subsurface location	ns and measured and tru	e vertical depths. Give t	dowout prevent	one and propos ter program, if	sed new productive zone. If p any,	roposal is to drill o	
4/	14/		Mike L. Mankin		-	-		
110 YES	& Marke	TITE S	Right of Way A				14/97	
(This space for Feder	al or State office uses					DATE12/	/	
		_				· · · · · · · · · · · · · · · · · · ·		
Application approval does no	it warrant or certify that the app	olicant holds legal or equit	table title to those righs i	n the subject lea	ase which woul	id entitle the applicant to mode	act operations then	
CONDITIONS OF APPROVAL	IF ANY:					y pro- and the self full	op er waren te te te	
APPROVED BY MUCH	tore. Villal	TITLE	Area We	mare		1/5/0	8	

000 Rio Brazon Rd., Antec. NM 17410

14) Bus 2088, Santa Fe, NM 87504-2088

00. Artena, NM 88211-9719

State of New Mexico Energy, Vancous & Natural Resources Department

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

Form C .. 12 Revised February 21, 1904 Instructions on pack

Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - J Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT API Number Pool Code Basin Dakota/Blanco Mesaverde 71599/72319 Property Code Property Name 18018 Jicarilla B 13M OGRID No. Operator Name · Elevation 05073 CONOCO, INC. 7089' 10 Surface Location UL or lot so. Section Towaship Range Lot Ida Fort from the North/South line Feet from the En Was line County D 36 26-N 4 - W 1060 North 1040 West R.A. Bottom Hole Location If Different From Surface UL or lot so. Toweship Lot Ida Fort from the North/South line Feet from the East West Hoe County 12 Dedicated Acres 15 Joint or Infill | 16 Consolidation Code | 19 Order No. 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 17 OPERATOR CERTIFICATION I hereby cerufy that the information contained herein is true and complete to the best of my browledge and belief 1040 Mike L. Mankin Printed Name Right-of-Way Agent "SURVEYOR CERTIFIC sad from field notes of econal su or under my supervision, and that the si correct to the best of my belief. 12/17/96 Date of Survey Signature and Scal o

Jicarilla B # 13M Section 36, T-26-N, R-4-W, Rio Arriba County, TX

RE: Application C-107A to Downhole Commingle

Notification of Offset Operators:

Beartooth Oil & Gas PO Box 2564 Billings, Montana 59103

Chateau Oil & Gas 2515 McKinney Ave STE 840 Dallas, TX 75201

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