8//RICT II

DISTRICT III

nO Box 1980 Hobbs, NM 38241 1980

811 South 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

1000 Rio Biazos Rd. Aztec. NM 87410 1693	APPLICATION FOR DO	DWNHOLE COMMINGLIN	VG EXISTING WELLBOR
Conoco Inc		10 Desta Dr. Ste 100W, Mid	land, Tx. 79705-4500
Jicarilla B	#13M	Section 36, T-26-N, R-4-	
OGRID NO 005073 Property Co	•	Sp Spc Twp Ngs	acing Unit Lease Typecheck 1 or more) (at
The following facts ate submitted in support of downhole commingling	Upper Zone	intermediate Zone	Lower Zone
I Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota
2 TOP and Boltom of Pay Section (Perforations)	5818-6282'		71599
3 Type of production (Oil or Gas)	Gas	DEGETA	7908-8132'
4 Method of Production {Flowing or Artificial Lift}	To Flow	MAY - 1 198	Gas To Flow
5 Bottomnole Pressure Oil Zones - Artilicial Lift Gas & Oil - Flowing Measured Current Measured Current	a (Curren) 643 b(Original)	150 00 00 00 00 00 00 00 00 00 00 00 00 0) \\// ₅
Estimated Or Measured Original	1322	b	2477
6 Oil Gravity (*API) or Gas BT Content	1281		1308
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 IssI production lote For new runes with no production history opinion shad be required to attach production stimates and supporting data.	Date Rates	Date it is:	Date Rates
If Producing date and oil/gas/ water rates of recent test (within 60 days)	Date Anticipated 1st Yr Rates average 183 MCFD, 1.4 BOPD	Dale Rales	Oute Anticipated 1st Yr Average 288 MCFD, 4.5 BOPD
Fixed Percentage Allocation Formula -% or each zone	ou Gas	Cas Co	Gas .
If allocation formula is based up submit attachments with suppo Are all working, overriding, and if not, have all working, overrid Have all offset operators been c	royalty interests identical in a	Il commingled zones?	X Yes No
Have all offset operators been c Will cross-flow occur? X Ye flowed production be recovered	New Medice of the prop	osed downnole commingling?	Yes No X Yes No Of be damaged, will any cross-
Are all produced fluids from all		a peremaple. X 168	No (If No, attach explanation) Yes No
Will the value of production be a	decreased by commingling?	Yes × No (If Y	es attach explanation)
If this well is on, or communitize United States Bureau of Land M	ed with, state or federal lands		
NMOCD Reference Cases for Ri		writing or this application.	Yes No

HMENTS

* C-102 for each zone to be commingled showing its spacing unit and acreage dedication.

* Production curve for each zone for at least one year. (If not available, attach explanation.)

* For zones with no production history, estimated production rates and supporting data.

* Data to support allocation method or formula.

* Notification list of all offset operators.

* Notification list of working, overriding and royalty interests for uncommon interest cases.

* Any additional statements, data, or documents required to support commingling. I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE ____ TITLE ___ Regulatory Agent TYPE OR PRINT NAME Kay Maddox TELEPHONE NO. (915) 686-5798

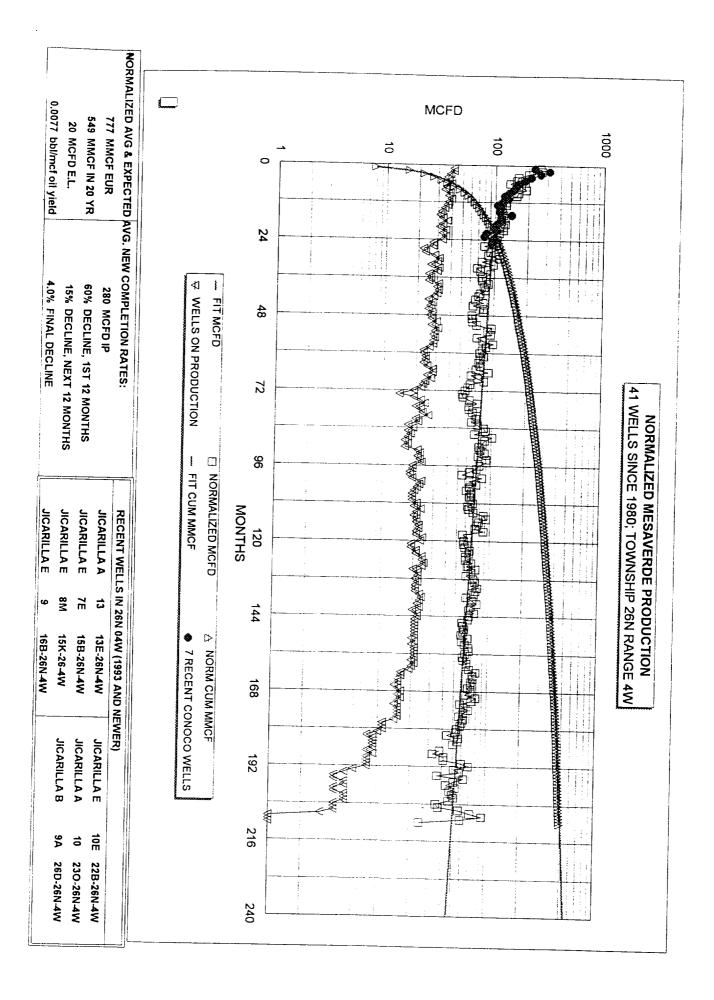
ORDER NO(S).

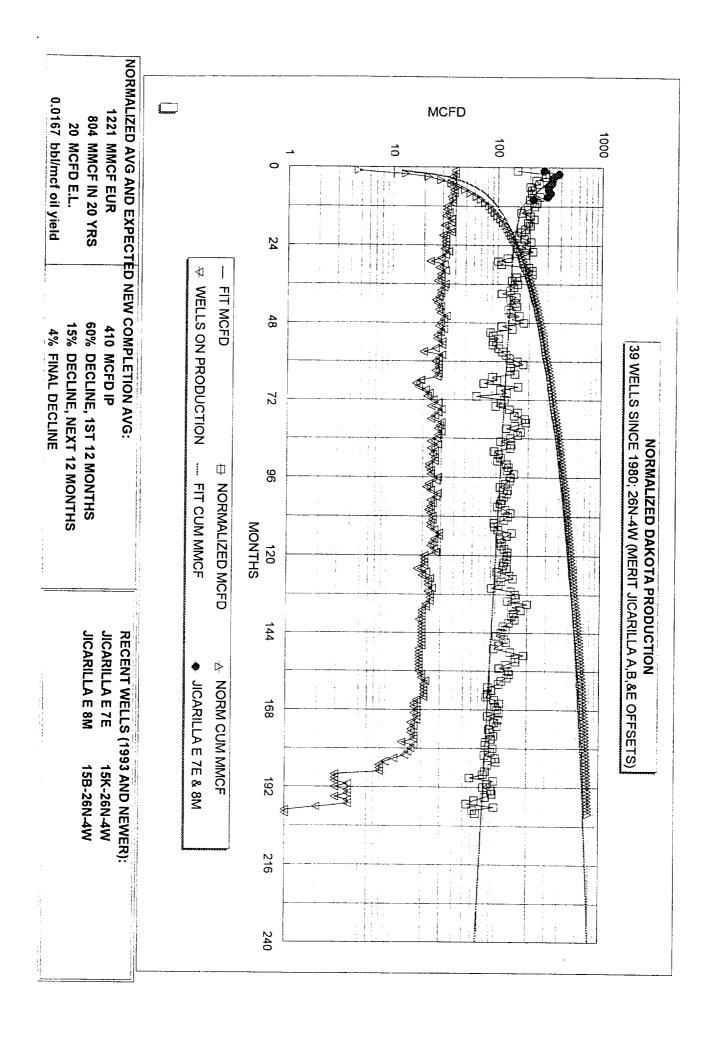
15. NMOCD Reference Cases for Rule 303(D) Exceptions:

16. ATTACHMENTS

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.





SUBMIT IN TRIPLICATE.

(Other instruction) on

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

APPI	CHOCALLO						
APPI	BUKEAU O	F LAND MANAC	SEMENT		1 LEASE DSIGNATIO	N AND SERIAL N	
					Cont.	106	
LETYPE OF WORK	-IOM FOR F	ERMIT TO L	ORILL OR DEEPEN		6 IF INDIAN, ALLOTT	EE OR TRIBE NAM	
O TYPE OF WELL	RILL 🔯	DEED-EN (Jicar 7 UNIT AGRREEMENT		
OIL WELL	GAS OTHER		timo Ca 🔯 🔻 winter				
L. NAME OF OPERATOR	Connect	·	ZONE ZONE		3 FARM OR LEASE NAME V	VELL NO	
	Conoco Inc.				Jicarilla	B-13M	
1 ADDRESS AND TELEPHONE N					P API WELL NO		
+ LOCATION OF WEI	Dr. Ste 430E, Midlar	nd, Tx. 79705-45	500		10 FIELD AND POOL.		
Atsurface	theport location clearly	and in accordance w	ith any State requirements *)		1		
Atorogonal		1060' FNL &	2 1040' FWL		Blanco MV/B	BIV	
At proposed prod. zo:	ne	1060' FNL &	10401 533 07		Sec. 36, T26	REA	
DISTANCE IN MILES	AND DIRECTION FROM NEA	LEST TOWN OR POST	OFICE		300. 30, 120	014, K4W	
			COFICE.		12 COUNTY OR PARISE	I I STATE	
5 DISTANCE FROM PROPO	OSED.		16 NO OF ACRES IN LEASE		Rio Arriba	NM	
LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dri			TO OF ACRES IN LEASE	17. NO 01	F ACRES ASSIGNED HIS WELL		
DISTANCE FRUM PROP	OSED LOCATION* RILLING, COMPLETED,		19. PROPOSED DEPTH		320		
ON MITCHED FOR, ON TH	IS LEASE, FT,			20 ROTAR	RY OR CABLE TOOLS		
ELEVATIONS (Show wh	ether DF, RT, GR, etc.)		8432'		Rotary		
		7089' GR			22. APPROX. DATE WO	ORK WILL START	
			CAMP COMPANY		1/1/9	8	
SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOO	G AND CEMENTING PROGRA	M			
12-1/4"	K-55, 9-5/8"	36#	DELLING DELLIN		QUANTITY OF CEMENT		
8-3/4"	K-55, 7"	23#	300'		170 sxs, circ.		
6-1/4"		23π	3973'	i	555 sxs, circ.		
	I K-33 / 1/// /	A			777 J.E., OHC.		
is proposed to drill a	K-55, 4-1/2" a vertical wellbore to be not production test data for mingling. An NOS was	downhole committee allocation purpose filed 1/29/97. T	ingled in the Blanco Mesav oses. A downhole commin he well will be drilled and	erde and Bagling applie	515 sxs, toc @ 35	llowing the	
t is proposed to drill a cquisition of sufficier and OCD prior to commutachments: Well Location & Al. Proposed Well Plan. Cementing Plan. Blowout Preventer I Surface Use Plan w. 7.5" quandrangle To Wellsite Layout. Cut & Fill Diagram. Access Road Plat.	creage Dedication Plat (a Outline. Hookup. ith Production Facility I oppo Map.	downhole committee allocation purposes filed 1/29/97. To allocation pu	ingled in the Blanco Mesavoses. A downhole commin he well will be drilled and o	equipped ac	515 sxs, toc @ 35 asin Dakota Pools fo cation will be filed we coording to the follow	llowing the ith the BLM ving additional	
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is proposed to drill a equisition of sufficier and OCD prior to compare tachments: Well Location & All Proposed Well Plan Cementing Plan. Blowout Preventer I Surface Use Plan w. 7.5" quandrangle Towellsite Layout. Cut & Fill Diagram. Access Road Plat. is application included BOVE SPACE DESCRIPMENT MO	es ROW's for the well pop Map. BE PROPOSED PROGRAM and or State office use)	downhole committee allocation purposes filed 1/29/97. To a control of the committee and and access road and access road and measured and true to a committee and true to	d. give data on present productive zo vertical depths. Give blowout prevente Mike L. Mankin Right of Way Agent	equipped ac	515 sxs, toc @ 35 asin Dakota Pools fo cation will be filed w coording to the follow red new productive zone. If p ny. DATE	llowing the ith the BLM ving additional ving additional roposal is to drill or	
is proposed to drill a equisition of sufficier and OCD prior to command the command of the comma	es ROW's for the well pop Map. BE PROPOSED PROGRAM and or State office use)	downhole committee allocation purposes filed 1/29/97. To a control of the committee and and access road and access road and measured and true to a committee and true to	d. give data on present productive zo vertical depths. Give blowout prevente Mike L. Mankin Right of Way Agent	equipped ac	515 sxs, toc @ 35 asin Dakota Pools fo cation will be filed w coording to the follow red new productive zone. If p ny. DATE	llowing the ith the BLM ving additional ving additional roposal is to drill or	
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UNITED STATES

0. Hobbs, NM \$\$241-1980 r 00, Artena, NM 00211-0719 1000 Rio Brazon Rd., Aziec, NM 47410

State of New Mexico Exercy, Yunerau & Natural Romanico Department

Form C - 32 Revised February 21, 1904 Instructions on oack

Submit to Appropriate District Office

12/17/96

Date of Survey

State Lease - 4 Copies Fee Lease - J Copies

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

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' Property	Code		}							Well Number	
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'OGRID	No.								'Elevauoa		
05073											7089'
	r	·			10 Surface						
Leriot so.	Section	Township	Range	Lot Ida	Foot from the	North/South line		i from the	East Wes	Lline	County
D	36	26-N	4-6		1060	North	.1	1040	W€	st	R.A.
	·				,	f Different Fro	om S	Surface			
L or lot so.	Section	Towaskip	Range	Lot Ida	Foot from the	North/South line	For	l (Locarps	East/Wes	t line	County
1040'	1000		520	NDARD SOLVEN	ONIT HAS B	EEN APPROVED	BY	17 OPER I hereby certij	ATOR	(огталоп	FIFICATIO
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				White the second			5280.∞′	Printed Name Right Title  Date  13 SURV I hareby conty	-of-Way	Age	nt

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

## CONDITIONS OF APPROVAL FOR DOWNHOLE COMMINGLING

Operator <u>Conoco Inc.</u> Well Name <u>Jicarilla B #13</u>

- 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:

Provide the allocation formula when it is determined.

Provide a well bore diagram when this well is completed.

Form 3 160-5 (June 1990)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 3 1,1993

Lease Designation and Seriai No.

SUNDRY NOTICES	AND REPORTS ON WELLS 98 APR 27 /	Cont 106
	Il or to deepen or roontry to a different reasonable	1
Use "APPLICATION FO	R PERMIT—" for such proposals ALBUQUERO	UE. N.M. Jicarilla
CUDMIT	IN TRIPLICA TE	7. If Unit or CA, Agreement Designation
I. Type of Well Oil Sas		
2. Name of Operator	8. Well Name and No.	
CONOCO INC.		Jicarilla B # 13M
3. Address and Telephone No.		
10 DESTA DR. STE. 100W, MIDLAND 4. Location of Well (Footage, Sec., T. R. M. or Survey Des		10. Field and Pool, or Exploratory Area
	T-26-N R-4-W, D	Blanco Mesaverde/ Basin Dakota 11. County or Parish, State
1060 F1	NL & 1040 FWL	
		Rio Arriba, NM
CHECK APPROPRIATE BOX(s	) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
П.,	Recompletion	New Construction
L_1 Subsequent Repon	Plugging Back	Non-Routine Fracrunng
Final Abandonment Notice	Casing Repair Altering Casing	Water Shut-Off
	Other Downhole Commingle	Conversion to Injection Dispose Water
		INole: Reponresults of multiple compition on Wdl Completion or Recompletion Report and Log form.)
give subsurface locations and measured and true vertical	pertinent details, and give pertinent dates, including estimated date of starting a al depths for all markers and zones pertinent to this work.)*	my proposed work. It well is directionally diffied.
file managed at the state of the state of		
It is proposed to downhole commingle the M	esaverdeand Dakota in this well upon drilling and comp	letion
		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
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	on the	and the state of t
Geol Geol	(i) the state of	
Surf		
Appv1 0784 4/30/98		
14. I hereby certify the foregoing is true and correct		
May Modde	Kay Maddox	2/24/98
	Title Regulatory Agent	Date 2/24/98
(This space for Pederki or State office dse).	Lands and Mineral Resources	MAY 1 1998
Approved by Conditions of approval if any	Title	Date MAY 1 1998

BLM(6), NMOCD(1), SHEAR, PONCA, COST ASST, FILE ROOM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its junsdiction.

#### DISTRICT

BITRICTII

e O Box 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

APPROVAL PROCESS:

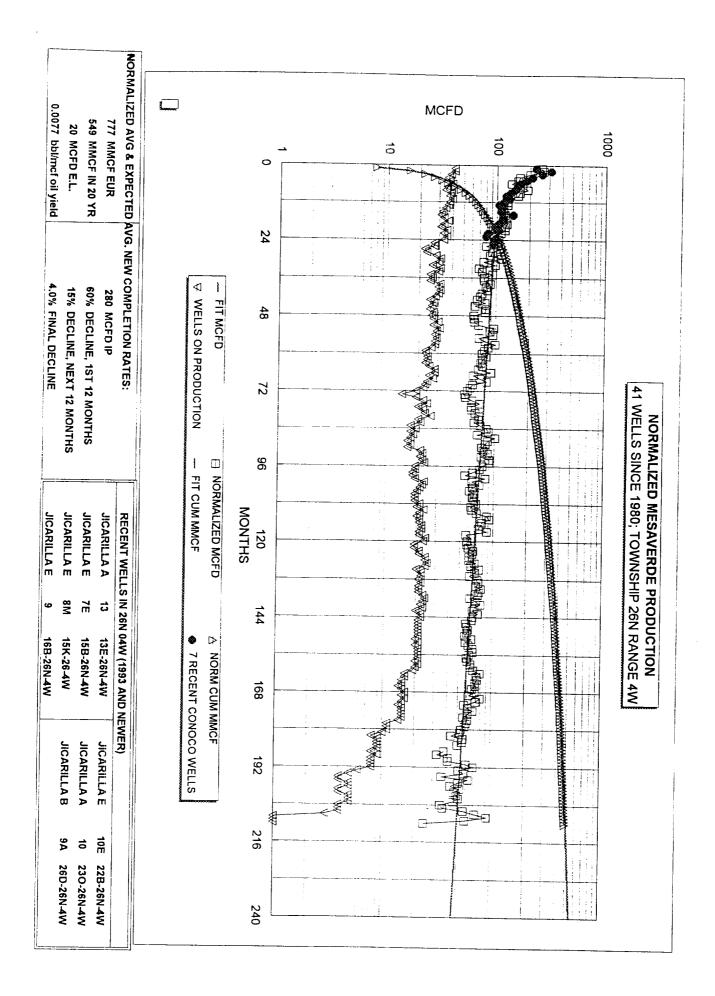
Administrative	Hearing
EXISTING W	ELLBORE

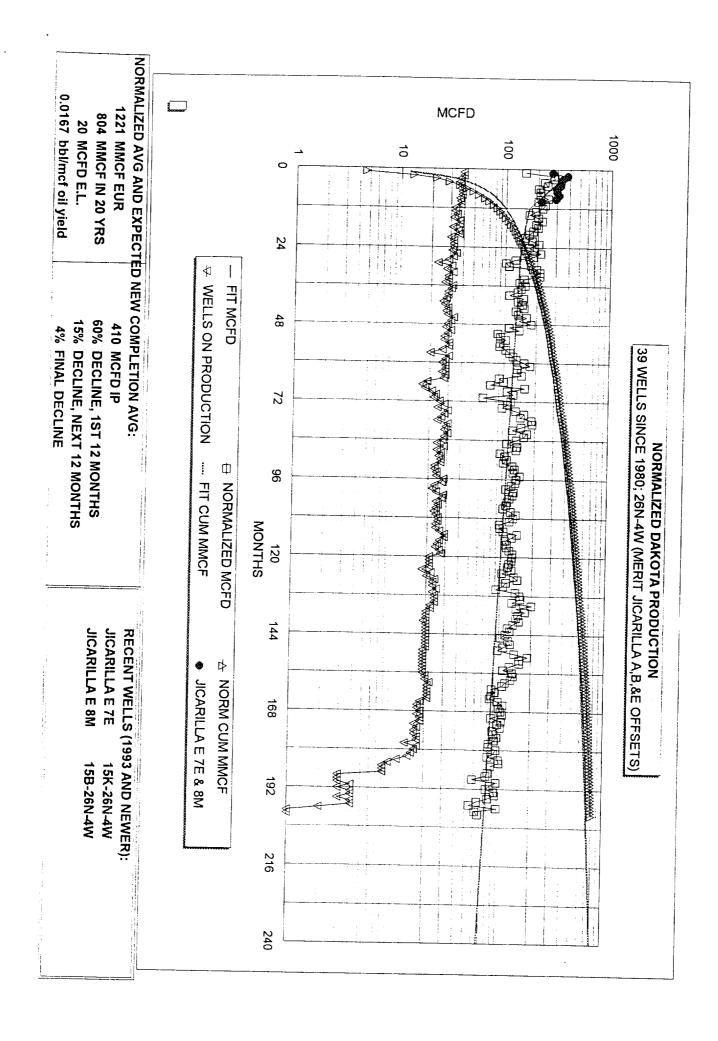
811 South First St. Artesia NM 88210 2835 <u>DISTRICT III</u> 1000 Rio Brazos Rd. Aztec. NM 87410 1693		S Pacheco Mexico 37505-6429 DWNHOLE COMMINGLING	EXISTING WELLBOR
Conoco Inc.	Add	10 Desta Dr. Ste 100W, Midla	nd, Tx. 79705-4500
Jicarilla B	#13M Wall No Uni	Section 36, T-26-N, R-4-W	, D Rio Arriba
OGRID NO 005073 Property Co	ode API NO	Spaci Federat	ing Unit Lease Types (check 1 or more) . State . (and/or) Fee
The following facts ate submitted in support of downhole commingiling	Upper Zone	intermediale Zone	Lower Zone
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4 Method of Production (Flowing or Artificial Lill)	To Flow		Gas
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Oil Zones - Artilicial Lift: Estimated Current	643	-	a
Gas & Oil - Flowing Measured Current	b(Original)	<del> </del>	1087
All Gas Zones. Estimated Or Measured Original	- '	b.	b
	1322		2477
6. Oil Gravity (*API) or Gas BT Content	1281		1308
7 Producing or Shut-In?	To be Completed		To be Country 1
Production Marginal? (yes or no)	Yes (expected)		To be Completed
· If Shut-In give date and oil/gas/	Date		Yes (expected)
water rates of isst production  Note had new rates with no production district applicant shad be required to allege moduling	Rates	Nation :	Date Rates
- If Producing date and oil/gas/	Oate Anticipated 1st Yr	Dale	Only Anticipated 1st Yr
water rates of recent test (within 60 days)	average 183 MCFD, 1.4 BOPD	Rates	Average 288 MCFD, 4.5 BOPD
Fixed Percentage Allocation Formula -% or each zone	345 %	Cas Cas	thi Gas
If allocation formula is based usubmit attachments with support of the submit attachments with support of the submit attachments with support of the submit attachment of t	royalty interests identical in a fing, and royalty interests beer given written notice of the propers. No If yes, are fluids cond, and will the allocation formulation commingled zones compatible	Il commingled zones? In notified by certified mail? osed downhole commingling? In patible, will the formations no la be reliable. X YesN	X Yes — No Yes — No Yes — No
Will the value of production be	decreased by commingling?	Yes X No. (If Ye	e attach ovalonation)
If this well is on, or communitize United States Bureau of Land I	ed with, state or federal lands Management has been notified	either the Commissioner of P I in writing of this application.	ublic Lands or the X Yes No
ATTACHMENTS  C-102 for each zone Production curve for For zones with no pre Data to support alloca Notification list of all	to be commingled showing its each zone for at least one year aduction history, estimated profited method of formula.	ORDER NO(S).  spacing unit and acreage dedit. (If not available, attach exploduction rates and supporting a	ication. anation.) data.
ereby certify that the information	above is true and complete to	the best of my knowledge and	d belief.
NATURE Tay		TITLE Regulatory Agent	
E OR PRINT NAME Kay Maddo	X	TELEPHONE NO. (S	/ 7

### 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.





COMMUNICATION CRIPCICATES

Other instructions on reverse side;

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

## OF THE INTERIOR

APPLICATION FOR PERMIT TO DRILL OR DEEPEN  APPLICATION FOR PERMIT TO DRILL OR DEEPEN  APPLICATION FOR PERMIT TO DRILL OR DEEPEN  TO STANDARD OF UPERALOW  CONCOLOR.  A COMMENT OF WELL INCOME.  Blanco MY/Basin Dakota  11 SECTION OF BEACH.  12 SECTION OF BEACH.  13 SECTION OF BEACH.  14 SOURCE OF AREA.  SEC. 36, T26N, R4W  SEC. 36, T26N, R4	5 LEASE DSIGNATION	AND SERIAL NO	
FYPE-DE WORK   DRILL   DEPEN   DRILL   DEPEN   DRILL   DOTHER   DEPEN   DRILL   DRIL	_		
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TARMOR LESS NAME WELL NO  A ACCESS AND REPPOSED CONCOC Inc.  A COMESS AND REPPOSE SEC ON THE POSE OF ACRES IN LEASE 17 NO OF ACRES ASSIGNED TO SHAREST MELL CALLED TO THIS WELL STATE (ALL) to nearest drift, unit line, if Any)  10 SISTANCE FROM PROPOSED TO SHAREST WELL CALLED	Jicaril	ıla	
SAME OF OPERATOR   COROCO Inc.   COROCO Inc.   Jicarilla B-13M	7 UNIT AGRREEMENT N	AME	
CONCOC INC.  A ACCRESS AND TREPPOSE NO  10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500  10 FIELD AND FOOL, OR WILDCAT At surface  1060' FNL & 1040' FWL  At proposed prod. zone  1060' FNL & 1040' FWL  At proposed prod. zone  1060' FNL & 1040' FWL  At proposed prod. zone  1060' FNL & 1040' FWL  4 DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE:  10 STANCE FROM PROPOSED:  11 STANCE FROM PROPOSED:  12 STANCE FROM PROPOSED:  13 STATE  14 NO OF ACRES IN LEASE  17 NO OF ACRES ASSIGNED  10 TO THIS WELL  10 STANCE FROM PROPOSED:  10 STANCE FROM PROPOSED:  10 STANCE FROM PROPOSED:  11 STANCE FROM PROPOSED:  12 STANCE FROM PROPOSED:  13 STATE  14 NO OF ACRES ASSIGNED  15 NO OF ACRES ASSIGNED  16 STANCE FROM PROPOSED:  10 STANCE FROM PROPOSED:  10 STANCE FROM PROPOSED:  11 STANCE FROM PROPOSED:  12 STANCE FROM PROPOSED:  12 STANCE FROM PROPOSED:  13 STATE  14 NO OF ACRES ASSIGNED  15 NO OF ACRES ASSIGNED  17 OO OF ACRES ASSIGNED  17 NO OF	3 FARM OR LEASE NAME WE	IL NO	
10 Desta Dr. Ste 430E, Midland, Tx. 79705-4500  10 FIELD AND POOL, OR WILDCAT ALTOCATION OF WELL IReport location clearly and in accordance with any State requirements ')  Alt proposed prod. zone  1060' FNL & 1040' FWL  Alt proposed prod. zone  1060' FNL & 1040' FWL  4 DISTANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE'  10 DISTANCE FROM PROPOSED LOCATION TO NEAEST THE LIGHT STATE PROPERTY ON LEASE LINE, FILLE, ILLUM, COMPLETED OR APPLIED POR, ON THIS LEASE, FT.  10 DISTANCE FROM WHORDED LOCATION' TO NEAREST WELL, DRILLING, COMPLETED OR APPLIED POR, ON THIS LEASE, FT.  12 ELEVATIONS (Show whether OF, RT, GR, etc.)  13 PROPOSED CASING AND CEMENTING PROGRAM  12-1/4" K-55, 9-18" 36# 300' 170 SXS, circ.  12-1/4" K-55, 7" 23# 3973' 555 SXS, circ.  6-1/4" K-55, 4-1/2" 11.6# 8132' 515 SXS, toc @ 3500'  1t is proposed to drill a vertical wellbore to be downhole commingled in the Blanco Messaverde 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 OCD prior to commingling. An NOS was filed 1/29/97. The well will be drilled and equipped according to the following additional strachments:  1. Well Location & Acreage Dedication Plat (C-102). 2. Proposed Well Plan Outline. 3. Cementing Plan. 4. Blowout Preventer Hookup.	Jicarilla B	-13M	
Blanco MV/Basin Dakota  1060' FNL & 1040' FWL  Al proposed prod. zone  1060' FNL & 1040' FWL  105TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*  105TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*  105TANCE FROM PROPOSED*  105TANCE IN MILES AND DIRECTION PROPOSED*  105TANCE IN MILES AND PROPOSED*  105TANC	2 API WELL NO		
Blanco MV/Basin Dakota  1060' FNL & 1040' FWL  Al proposed prod. zone  1060' FNL & 1040' FWL  105TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*  105TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*  105TANCE FROM PROPOSED*  105TANCE IN MILES AND DIRECTION PROPOSED*  105TANCE IN MILES AND PROPOSED*  105TANC			
At proposed prod. zone    1060' FNL & 1040' FWL   105TANCE FOR MEASAND DIRECTION FROM NEAEST TOWN OA POST OFICE*   12 COUNTY OR PARISH   13 STATE			
All proposed prod. zone  1060' FNL & 1040' FWL.  1051' FNL & 1040' FNL & 1050'			
1060' FNL & 1040' FWL  105TANCE IN MILES AND DIRECTION FROM NEAEST TOWN OR POST OFICE*  11 COUNTY OR PARISH RIO Arriba NM  12 COUNTY OR PARISH RIO Arriba NM  13 STATE RIO Arriba NM  15 NO OF ACRES IN LEASE 17 NO OF ACRES ASSIGNED TO THIS WELL TO THIS WELL 320  10 STANCE FROM PROPOSED. LOCATION TO NEAREST PROPERTY ON LEASE IN E. FT. 10 NEAREST WELL DRILLING. COMPLETED. OR APPLIED FOR, ON THIS LEASE, FT. 11 LEVATIONS (Show whether OF, RT, GR, etc.)  12 LEVATIONS (Show whether OF, RT, GR, etc.)  13 PROPOSED CASING AND CEMENTING PROGRAM  12-1/4" K-55, 9-5/8" 36# 300' 170 sax, circ. 8-3/4" K-55, 7" 23# 3973' 555 sax, circ. 6-1/4" K-55, 4-1/2" 11.6# 8132' 515 sax, toc @ 3500' It is proposed to drill a vertical 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 filled with the BLM and OCD prior to commingling. An NOS was filed 1/29/97. The well will be drilled and equipped according to the following additional attachments:  12 Well Location & Acreage Dedication Plat (C-102). 25 Proposed Well Plan Outline. 36 Cementing Plan. 37 BISCOUNTY OF PARISH RIO OF ACRES AND SHIELD RICH RIO OF ACRES IN LEASE RIO OF ACRES ASSIGNED RIO OF ACRES IN LEASE RIO OF AC			
S DISTANCE FROM PROPOSED.  LOCATION TO NEAREST PROPERTY OR LEASE LINE. FIT (Also to nearest dry. unit line. if Any.)  B DISTANCE FROM PROPOSED.  TO SEAREST WELL, DRILLING, COMPLETED. OR APPLIED FOR, ON THIS LEASE, FT.  TO NEAREST WELL, DRILLING, COMPLETED. OR APPLIED FOR, ON THIS LEASE, FT.  B 432'  PROPOSED DEPTH  20 ROTARY OR CABLE TOOLS ROTARY  212 APPROX DATE WORK WILL START*  1/1/98  PROPOSED CASING AND CEMENTING PROGRAM  SIZE OF HOLE  GRACE, SZECICASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT  12-1/4" K-55, 9-5/8" 36# 300' 170 sxs, circ. 8-3/4" K-55, 7" 23# 3973' 555 sxs, circ.  6-1/4" K-55, 4-1/2" 11.6# 8132' 515 sxs, toc @ 3500'  It is proposed to drill a vertical 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 OCD prior to commingling. An NOS was filed 1/29/97. The well will be drilled and equipped according to the following additional attachments:  Well Location & Acreage Dedication Plat (C-102). Proposed Well Plan Outline.  Cementing Plan.  B Blowout Preventer Hookup.	Sec. 36, T26	N, R4W	
RIO Arriba   NM	12 COUNTY OR PARISH	13 STATE	
16 NO OF ACRES IN LEASE   17 NO OF ACRES ASSIGNED TO THIS WELL   320	Rio Arriba	1	
19 PROPOSED LOSING AND CEMENTING PROGRAM   17/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/198   11/	OF ACRES ASSIGNED		
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5. 7.5" quandrangle Topo Map. 7. Wellsite Layout.			
o, Cut & Fill Diagram.			
3. Cut & Fill Diagram.			

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

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally Σ.

110 NED	Mil Mark	Mike L. Mankin Right of Way Agent	DATE	12/14/97
(This space	for Federal or State office us	e)	- <del> </del>	
PERMIT NO		APPROVAL DATE		

CONDITIONS OF APPROVAL, IF ANY

*See Instructions On Reverse Side

# 0. Hobbs, NM \$8241-1980

1000 Rio Brason Rd., Adee, NM 17410

14) But 2088. Santa Fe. NM 87504-2088

State of New Mexico
Exercy, Mineral 4 Natural Romanical Department

NOI

Form Co.22 Revised February 21, 1904 Instructions on back

Submit to Appropriate District Office
State Lease + 4 Comes

State Lease - 4 Copies Fee Lease - I Copies

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

AMENDED REPORT

		· WE	ELL LO	CATION	N AND A	.CR	REAGE DEDI	CA	TION PL	_AT		
	API Numb	er		' Pool Cod	·				1 Pool N	4 the		
				71599/7	72319		Basin Dakota/Blanco Mesaverde					rde
* Property	Code				امرع ,	×ui	Nause					Well Number
18018				J	icarill	a	В					1 3 M
OGRID.	No.				¹ Ope	relor	Nume					Elevation
05073				CC	ONOCO,	IN	C.					7089'
					10 Surfa	ice	Location					
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UL or lot so.	Soction	Township	Range	Lot Ida	Foct from t	3 €	Nanth/South line	Fe	et from the	EastWes	t line	County
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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

#### CONDITIONS OF APPROVAL FOR DOWNHOLE COMMINGLING

Operator	Conoco Inc.	Well Name	Ji <u>carilla B</u> #13	
Operacor		WCII Name	O T C C T T T T C T T T T T T T T T T T	

- 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:

Provide the allocation formula when it is determined.

Provide a well bore diagram when this well is completed.