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State of New Mexico
Energy Minerals and Natural Rasources Department

OIL CONSERVATION DIVISION

2040 S. Pacneco Santa Fe. New Mexico 87505-6429

Form C-107-A

311 South First St. Artesia NM 30210 2835 DISTRICT III 1001 Rio Brazos Rd. Aziec. NM 67410 1693

APPLICATION FOR DOWNHOLE COMMINGLING

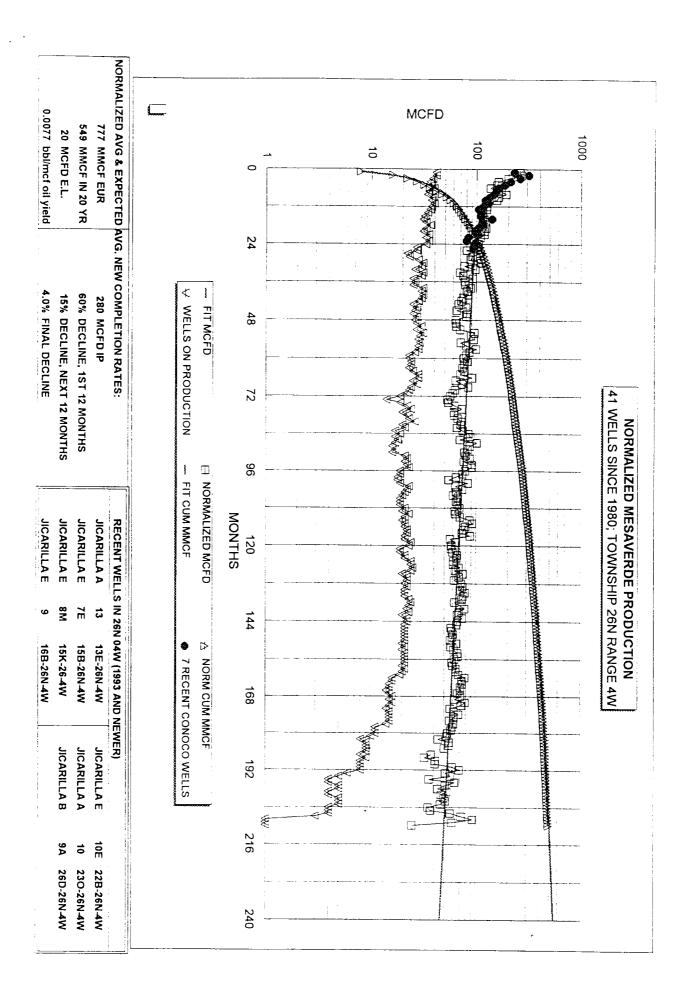
/	New 3-12-96
APPROVA	AL PROCESS
Administra	tive Hearing
EXISTIN	G WELLBORE
	YES 🛛 NO

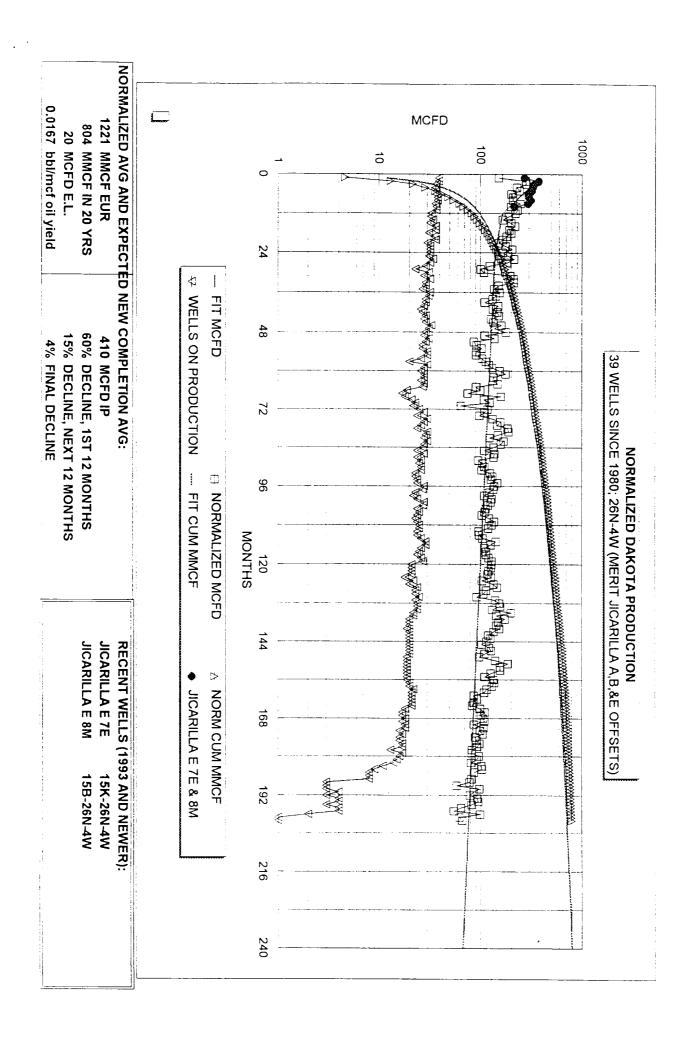
Conoco Inc	1C	Desta Dr. Ste 100W, Midland	d, Tx. 79705-4500
licarilla E	# 12M	Section 22, T-26-N, R-4-W,	
GRID NO 005073 Property Cod	10000	Spacing	County Unit Lease Types (check or more)
The following facts are submitted in support of downhole commingling	Upper Zone	intermediate Zone	Lower Zone
1 Pool Name and Pool Code	Blanco Mesaverde 72319		Basin Dakota 71599
2 TOP and Bottom of Pay Section (Perforations)	5590-6059'		7634-7868'
1 Type of production (Oil or Gas)	Gas		Gas
4 Method of Production (Flowing or Artificial Lift)	To Flow		To Flow
5 Bottomhole Pressure Oil Zones - Artificial Lift Estimated Current Gas & Oil - Flowing	a (Current) 640	a	a 1081
Measured Current All Gas Zones Estimated Or Measured Original	b(Original)	D	2463
6 Oil Gravity (*API) or Gas BT Content	1280		1332
7 Producing or Snut-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	Oate Kars	Date Rares
rule for new zones with no production history applicant shad be required to attach production istenales and supporting data.	Anticipated 1st Yr		Antiginated for Ve
If Producing date and oiligas/ water rates of recentles: within 60 days.	Rales average 183 MCFD, 1.4 BOPD	Daile Rates	Anticipated 1st Yr Raies Average 288 MCFD, 4.5 BOPD
5 Fixed Percentage Allocation Formula -95 or each zone	3.39	м 54s	On Gas
O Are all working, overriding, an If not have all working, overriding, overriding, overriding overriding overriding of the control of the con	offing data and/or explaining in differential manufacture. The properties of the properties of the properties. No If yes, are fluids control and will the allocation formulated by the properties of the properties. The properties of the properties	nethod and providing rate projection of the providing production rates and supporting production rates and supporting projects for uncommon interproposal projects for uncommon interprojects for uncommon interproduction rates and supporting production rates and supporting the projects for uncommon interpretable production rates and supporting the projects for uncommon interpretable production rates and supporting the projects for uncommon interpretable production rates and supporting the projects for uncommon interpretable projects for uncommon	X Yes No Yes No No Yes No No No No (If No, attach explanation) Public Lan Public Lan No Yes MAY dication.
hereby certify that the joformatio	n above is true and complete	to the best of my knowledge ar	nd belief.
GNATURE <u>Auy</u>	Mudder	TITLE Regulatory Agent	DATE 4/24/48
PPE OR PRINT NAME Kay Made	dox	TELEPHONE NO.	(915) 686-5798

APPLICATION FOR DOWNHOLE COMMINGLING

Jicarilla E 12M, Unit Letter O, Section 22-T26N-R4W Rio Arriba County, New Mexico

As shown in the attached production plot for offsets to the Jicarilla B 12M, 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.





Time In Term March

| Comparison | Com

AMENDED READAR

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18022					JIC	ARIL	LA E		12M					
005073	·c	'Operator Name CONOCO, INC.									evation			
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- UL or lot do	Section	Township	Farge	Lat Jan	SUNTS		LOCATION North/South 1	co l =	et from the					
: 3	22	26N	411		30		North	1	1150	East/wes:		E 10		
	¹¹ Bottom Hole Location If Different From Sur									<u> </u>		4EI SAA		
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ORM APPROVED CMB NO. 1004-0136 hispaces Fabruary 23, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR

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	BUREAU OF	LAND MANAC	SEMEN	IT		CONT 104			
APPLI	CATION FOR PE	RMIT TO E	DRILL	OR DEEPEN		SIE INDIAN ALLOTTEE OR TRIBE NAME			
Charles M. Archi						JICARILLA			
y J.	un 🗵					TOME AGREEMENT NAME			
With T	Sin 🖂 orner			705.6 705.6		+ FARM OR LEASE NAME WELLING			
I NAME OF OPERATOR				71,500;		JICARILLA E ≠12M			
	Conoco Inc.					3 APIWELL NO			
L. VLORESS VAD TELEPHONE YO									
10 Desta	19 FIELD AND POOL, OR WILDCAT								
Atturface	Report location clearly as	nd in accordance w 30' FNL &		•		Blanco MV/Basin Dakota			
		30 F.NL &	. 1130	r w L		11 SEC. T. R. M. OR BLK AND SURVEY OR AREA			
At proposed producen	:	30' FNL &	: 1150'	FWL		G 22 m2 0 / 2 / 11			
A SELIN MI BONATZIO 41	NO DIRECTION FROM NEA		_			Sec. 22, T26N, R4W			
						Rio Arriba NM			
5 DISTANCE FROM PROPO			16 NO	OF ACRES IN LEASE	17 NO OF	ACRES ASSIGNED			
LOCATION TO NEARES' PROPERTY OR LEASE (Also to nearest dri	LINE, FT				тотн	320			
1 DISTANCE FROM PROP	OSED LOCATION.		19. PR	POSED DEPTH	20 ROTAR	Y OR CABLE TOOLS			
OR APPLIED FOR, ON TH	RILLING, COMPLETED, IS LEASE, FT,			8168'		Rotary			
21. ELEVATIONS (Show wh	ether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START*			
-		6797' GR		<u></u>		4/15/98			
2 3		PROPOSED CASI	NG AND	CEMENTING PROGRAM	ſ				
SIZE OF HOLE	GRADE, SZE O' CASING	WEIGHT PER FO	тос	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#		7868'		1150 sxs,circ.			
acquisition of sufficie and NMOCD prior to attachments:	ent production test data in commingling. A NOS	for allocation pu was filed 10/31	irposes. /97. Ti	A downhole commin his well will drilled and	gling appli	in Dakota Pools following the cation will be filed with the BLM according to the following			
3. Cementing Plan.4. Blowout Prevente	r Hookup. with Production Facility	Layout.							
This application inclu	ides ROW's for the well	lpad 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

110 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mike L. Mankin Right-of-Way Agent	OAT	.∈ March 4, 1998
(This space for Federal or State office use)			
PERMIT NO	ADDROVAL DATE		
PERMIT NO	APPROVACUATE	·	
Application approval ages not warrant or certify that the applicant CONDITIONS OF APPROVAL, IF ANY			
Application approval does not warrant or certify that the applicant			

Jicarilla E #12M Section 22, T-26-N, R-4-W, O Rio Arriba, New Mexico

RE: Downhole Commingle C107A Application

Notification of Offset Operators:

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

Burlington Resources PO Box 4289 Farmington, NM 87499

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

CONDITIONS OF APPROVAL FOR DOWNHOLE COMMINGLING

Operator	Conoco	Inc.	Well	Name	_Jic.	104	E	#12M	

- 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.