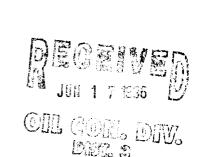


June 12, 1996

Mr. William J. LeMay, Director New Mexico Oil Conservation Division 2040 S. Pacheco Street P. O. Box 6429 Santa Fe, NM 87505

Application for Exception to Rule 303-C
Downhole Commingling
Jicarilla 155 #13 Well 2 13 m
Unit L Section 30-T26N-R5W
Otero Chacra, Blanco Mesaverde and Basin Dakota
Rio Arriba County, New Mexico



Southern

lockies

Business

Unit

Enclosed please find an administrative application form (C-107-A) and attachments for downhole commingling for the captioned well. By copy of this application by certified mail, return receipt requested, Amoco is notifying all offset operators in the formations captioned above as well as all affected interest owners if the ownership of those formations is not common. Amoco is the only offset operator in both formations. The Division Director may approve the proposed downhole commingling in the absence of a valid objection from any offset operator or any interest owner in those instances where ownership is not common in the zones to be commingled within 20 days after the receipt of the application if, in his opinion, waste will not result thereby, and correlative rights will not be violated.

Sincerely

Pamela W. Statey

Enclosures

cc:

Steve Smethie Patty Haefele

Wellfile

Proration file

Frank Chavez, Supervisor NMOCD District III 1000 Rio Brazos Road Aztec, NM 87410 Robert Kent Bureau of Land Management

435 Montano NE

Albuquerque, NM 87107

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

State of New Mexico
Energy, Minerals and Natural Resources Departs

Many UN 1 7 1996

APPROVAL PROCESS:

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

ONSERVATION DIVISION
DIST. 3

Administrative _ Hearing

DISTRICT II
811 South First !

1000 Rio Brazos Rd. Aztec, NM 87410-1693

SIGNATURE AMBANDA

TYPE OR PRINT NAME PAMELA W. STALEY

811 South First St., Artesia , NM 88210-2835

APPLICATION FOR DOWNHOLE COMMINGLING

riaminos darro __ ricamig

EXISTING WELLBORE <u>x</u> YES __ NO

Amoco Production Company		P.O. Box 800 Denver, CO 8020)1				
Jicarilla Contract #155	13E Unit L Section 30-T26N-R5W Rio Arriba						
OGRID NO000778 Property Code	Well No. Unit Lir Sec Twp - Rge County Spacing Unit Lease Types: (check 1 or more) 000741 API NO. 3003922347 Federal x 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	OTERO CHACRA 82329	BLANCO MESAVERDE 72319	BASIN DAKOTA 71599				
Top and Bottom of Pay Section (Perforations)	3827' - 3939'	5130' - 5254'	7166' - 7366'				
Type of production (Oil or Gas)	GAS	GAS	GAS				
Method of Production (Flowing or Artificial Lift)	FLOWING	FLOWING	FLOWING				
5. Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	(Current) 643 PSI	a. 880 PSI	^{a.} 969 PSI				
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated or Measured Original	(Original) 1156 PSI b. 1426 PSI b. 2944						
6. Oil Gravity (° API) or Gas BTU Content	1194 BTU	1200 BTU	1247 BTU				
7. Producing or Shut-in?	PRODUCING	PRODUCING	PRODUCING				
Production Marginal? (yes or no)	YES	YES NO					
If Shut-In, give data and oil/gas/water rates of last production	Date:	Date					
Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data	Rates:	Rates:					
If Producing, give date and oil/gas/water rates of recent test (within 60 days)	5/96 Date: 15 MCFD Rates: 01 BCPD 0 BWPD	5/96 Date: 160 MCFD Rates: 1.4 BCPD 1.34 BWPD					
Fixed Percentage Allocation Formula -% for each zone	Oil: 1 Gas 5 %	Oil: 98 %: Gas 46 %	Oil: 1 %: Gas 49 %				
 If allocation formula is based upon something other than current or past production, or is based upon some other method, submit attachments with supporting data and/or explaining method and providing rate projections or other required data. 							
10. Are all working, overriding, and royalty interests identical in all commingled zones? If not, have all working, overriding, and royalty interests been notified by certified mail? Have all offset operators been given written notice of the proposed downhole commingling? Z_Yes No							
11. Will cross-flow occur? _X_ Yes No If yes, are fluids compatible, will the formations not be damaged, will any cross-flowed production be recovered, and will the allocation formula be reliableX_Yes No (If No, attach explanation)							
12. Are all produced fluids from all commingled zones compatible with each other?X_Yes No							
13. Will the value of production be decreased by commingling? Yes _X_ No (If Yes, attach explanation)							
14. If this well is on, or communitized has been notified in writing of this		Commissioner of Public Lands or the Untie /es No					
15. NMOCD Reference Cases for Rule 303(D) Exceptions: ORDER NO(S)							
16. ATTACHMENTS: * 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.							

TITLE REGULATORY AFFAIRS REP DATE 6/12/96

____TELEPHONE NO. (__303___) __830-5344

Leavest	i	. All distant	es must be less	n the cuter	houndriles et 1	he Seetten		·	
Toward Liver Section Towards	Action	'		Leone				Well Ho.	
1. 1. 1. 1. 1. 1. 1. 1.	AMOCO PRODUCTI	ON COMPANY		JICA	RILLA CONT	RACT 15	., 2	13-E	
1560 feet from the South me and 790 feet from the South fine and 790 feet from the West from the County Lyrel clev. Producing Formation Dakota/Chacra Dasin Dakota/Otero Chacra 320/160 1. Outline the acceage dedicated to the subject well by colored pencil of hachine marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to we interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been contacted by communitization, unitization, force-pooling, etc? Yea No If answer is "yes," type of concolidation. If answer is "no," list the owners and truct descriptions which have actually been consolidated. (Use reverse a thin form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitizated-pooling, or otherwise) or until a non-atondard unit, climinating such interests, has been approved by the Casion. CERTIFICATION I hereby certify that the interests is used to be sold the well unity of the constant of the pooling of the constant of the interests of action such as the constant of the constant of the interests of action such as the constant of t	Unit Letter Sec	1				County			
1.500 Seet from the South	L.		1	5	<u>, </u>	Rio	Arriba		
Descriptions Producting Formation Post Basin Dakota/Otevo Chacra 320/160	100	C = L1.		,300			, ,		
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to winterest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been contacted by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse a this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitiz forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Consolidated (by communitization). CERTIFICATION I hereby certify that the information is an experiment of the property of the information of the complete beat of my homelydge and belief. Note of property of the complete beat of my homelydge and belief. ANGCO PRODUCTION COMP. Date SEPTERIBER 11, 1981 I hereby certify that the well shown on this plat was plotted for motes of socioul surveys made by under my superstain, and that it is true and converted to the best moderny superstains, and that it is true and converted to the best moderny superstains, and that it is the sond converted to the best moderny superstains, and that it is the sond converted to the best modern and converted to the convention of the second converted to the convention of the second converted to the convention of the second converted to the convention of the conventi					fee	t from the	West		
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to we interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been contained by communitization, unitization, force-pooling, etc? Yes No It answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse s this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitiz forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Consolidated been in true and complete best of my knowledge and belief. CERTIFICATION I hereby certify that the informative former best of my knowledge and belief. Sec. 1 30 I hereby certify that the informative former best of my knowledge and belief. Set Tertible Variety that the well shown on this plut var platted for notes of actual surveys made by under my superstation, and that it is true and convert to the best based on the first.		•			Dakota /ni	roro Cho	·	1	
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to we interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been contacted by communitization, unitization, force-pooling, etc? Yes No II answer is "yes," type of consolidation II answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse a thin form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, unitiz			l			· · · · · · · · · · · · · · · · · · ·			
deted by communitization, unitization, force-pooling, etc? Yes No II answer is "yes," type of consolidation II answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse station form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitiz forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Cosion. CERTIFICATION I hereby certify that the information to incidence in its true and complete best of my knowledge and belief, and the state of my knowledge and belief. By Sec. 1 Sec. 1 Jicarilli Tribal O Jicarilli Tribal O Jicarilli Tribal O Jicarilli Tribal O Jicarilli Tribal	2. Il more than a interest and ro	one lease is dedicated synlty).	to the well	, outline	each and ide	ntify the c	ownership t	hereof (both as to working	
this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, unitization). Seco. 1 I hereby certify that the information of the position	dated by comm	unitization, unitization No II answer is '	, force-poolii 'yes',' type ol	ig. etc? I c onsolid	ation				
I hereby certify that the informatival defined herein is true and complete best of my knowledge and belief. Company Name N. L. PETERSON	this form if nea No allowable w forced-pooling,	cessory.)	well until all	interests	have been c	onsolidat	ed (by con	nmunitization, unitization,	
toined herein is true and complete best of my knowledge and belief. Name N. L. PETERSON Position DISTRICT ENGINEER Company ANOCO PRODUCTION COMPA Date SEPTEMBER 11, 1981 1 hereby certify that the well is shown on this plat was plotted for notes of actual surveys made by under my supervision, and that it is true and correct to the best knowledge and belief.		1		: !				CERTIFICATION	
Position DISTRICT ENGINEER Company AMOCO PRODUCTION COMPA Date SEPTEMBER 11, 1981 I hereby certify that the well is shown on this plat was plotted for notes of actual surveys made by under my supervision, and that if is true and correct to the best knowledge and belief.	1 4.7		tion	; ; ;			toined h	crein is true and complete to the	
shown on this plat was plotted for notes of actual surveys made by under my supervision, and that it is true and correct to the best knowledge and belief.	cra Dedic	Sec.	Dedi	 			Position DISTRI Company AMOCO Date	CT ENGINEER PRODUCTION COMPANY	
	790'	•	ı Tribal				shown o notes of under my Is true	n this plat was plotted from field' factual surveys mode by me or y supervision, and that the some and correct to the best of my	
Dote Surveyed January 23/1/1980 Registered Philesatonal Emphaer and/or Panyl Surveyor Fred By Kerr Jr. Certificate 110 Certificate 110 3950	· W						Janua Registered and/or l/m Tie Fred Cettificate	B) Kerr Jr.	

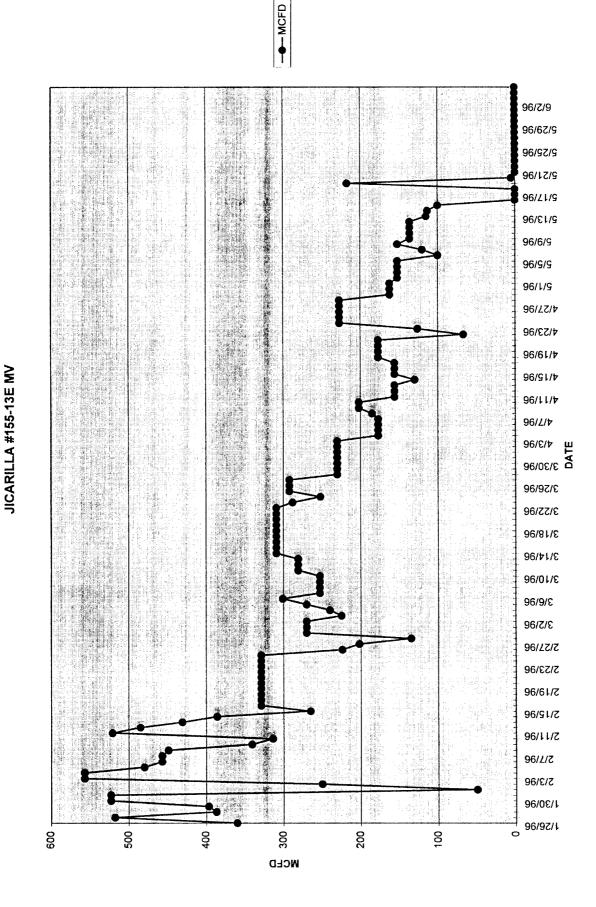
District I PO Box 1980, Hobbs, NM 88241-1980 District II Bill South First, Artesia, NM \$5210 District III 1000 Rle Brazos Rd., Axtec, NM 87410 District IV

State of New Mexico Energy, Minerala & Natural Resources Department

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 1 Copies

Total South Lack	eco, nania								SENDED REPORT	
	AM Num	WI	ELL LO			CREAGE DEDI	CATION P	LAT		
API Number ! Pool Code 30-039-22347 72319 Blanco Mesaver						Pool N	ame			
4 Property		<u>'</u>		2319		lanco Mesavero	le			
000741			Heart'	lla Con		Property Name * Well Num				
OGRID	Ne.		Jicarilla Contract 155 Operator Name				13m			
000778		Amoco	o Produ	ction C	•		' Flevatio			
		*	······································			ce Location ·			6619'	
UL or let mo.	Section	Township	Range	Lot Ida	Feet from the		Feet from the	F 4134 . II		
L	30	26N	5W		1560	South	790	East/West line West	Rio Arriba	
			ii Bot	tom Hole	Location	If Different Fro	ym Surface		The Milion	
UL er let so.	Section	Towaship	Range	Lot Idn	Feet from the		Feet from the	East/West line	County	
12 Dedicated Acr	ce '' Joint	er Infili	Consolidatio	- C-4. II O						
160			COMPONENT	n Code " ()	rder No.	,				
	VABLE '	WILL BE	ASSIGNE	D TO TH	COMPLE	TION UNTIL ALL				
		OR A	NON-ST	ANDARD	UNIT HAS	TION UNTIL ALL BEEN APPROVED	INTERESTS H	AVE BEEN CO	DNSOLIDATED	
16										
							OPER	KATOR CER	TIFICATION	
				İ			true and com	jy usat use informatio plete to the best of m	n consained herein is y knowledge and belief	
	-									
	i						'1			
_							- 12			
				 			-∥13	atty Ho	rekele	
							Signature	Patty Haef	ele	
				İ			Printed Name			
							Staff Assistant			
							Nov. 6, 199	1995		
							Date			
				1			18SURV	EYOR CER	FIFICATION	
	l						I hereby certif	y that the well locate	m shown on this plat	
							was plotted from or under n	om fleld notes of actu ny supervision, and ti	al surveys made by	
790'				-			and correct to	the best of my belief.		
7)]						9/1 Date of Survey	11/91		
				}			10	y Seal of Professional :		
5				l			11		ant sekel:	
560								on file		
'							158			
	l						٠,			
				1			395			
				ł			Certificate Nun	nber		



Engr: zhab0b

OFFSET OPERATORS

Meridian Oil, Inc. P.O. Box 4289 Farmington, NM 87499