DISTRICT !

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 S. Pacheco Santa Fe, New Mexico 875054-6429

Form C-107--A New 3-12-96 APPROVAL PROCESS: Administrative — Hearing

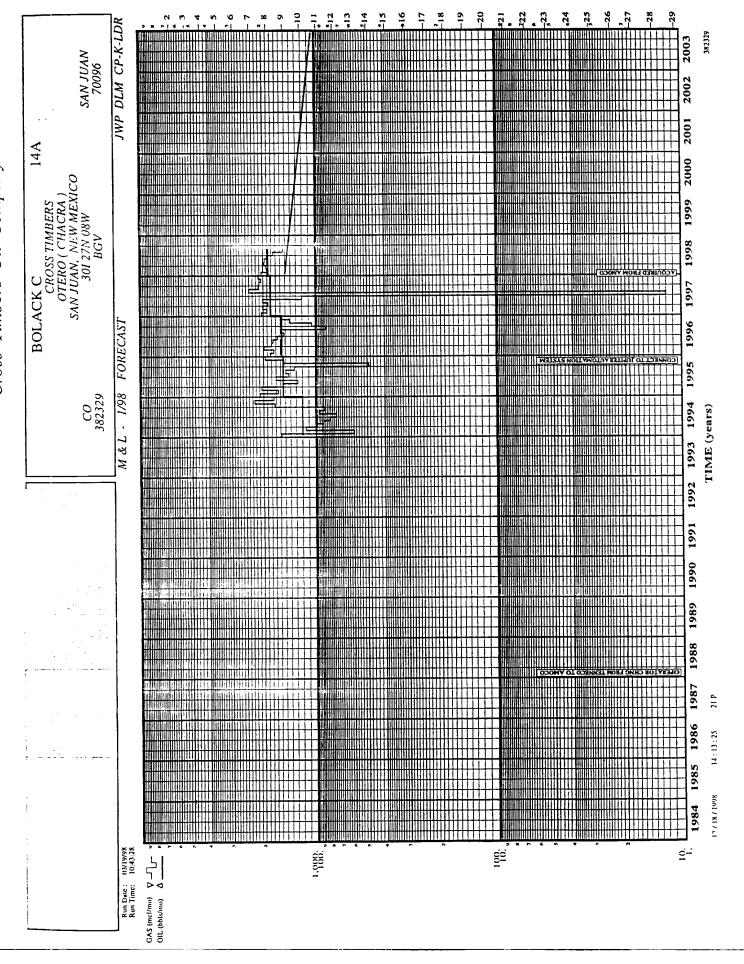
APPLICATION FOR DOWNHOLE COMMINGLING

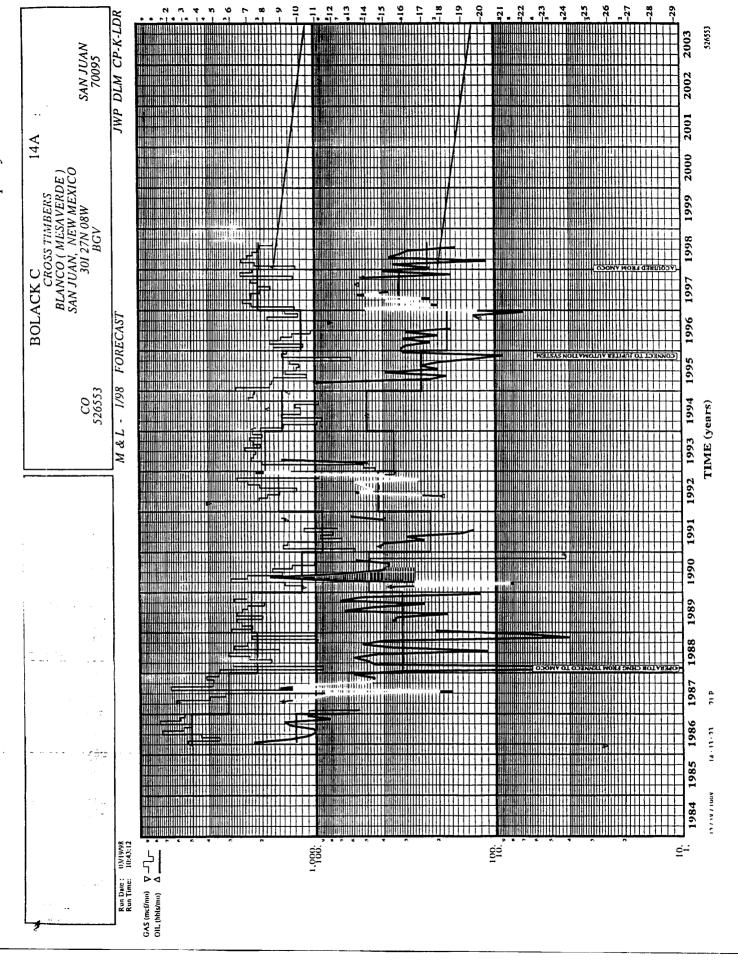
EXISTING WELLBORE XYES

Cross Timbers Operating Compa	any 2700 F	Farmington Ave., Bldg. K. S	te 1 Farmington, NM 87401		
Bloack "C" LS	#14A I	30 27N 08W	San Juan		
COGRID NO. 167067 Property Cod			Unit Lease Types: (check 1 or more)		
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		
Top and Bottom of Pay Section (Perforations)	3074'-3083' (perf'd)		4131'-4701' (perf'd)		
Type of production (Oil or Gas)	Gas		Gas		
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing		
Bottomhole Pressure Oil Zones - Artificial Lift: Estimated Current	a (Current) 295 psia (calc)	a. (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	554 psia (calc)		
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original) 935 psia (calc)	b. Prop Prop .	b. 820 psia (calc)		
Oil Gravity (^O API) or Gas BTÜ Content)	1147 btu		1342 btu / 46.4 API		
7 Producing or Shut-In?	Producing		Production		
Production Marginal? (yes or no)	yes		yes		
If Shut-In, give date and oil/gas/water rates of last production Note: For new zones with no production history, applicant shall be required to attach production	Date: Rates:	Date: Rates:	Date: Rates:		
* If Producing, give date and oil/gas/	Date: 02/09/99	Date:	Date: 02/09/99		
water rates of recent test (within 60 days)	Rates: 53 mcfpd 0 bwpd 0 bopd	Rates:	Rates: 62 mcfpd 0 bwpd 1 bopd		
Fixed Percentage Allocation Formula -% for each zone	Oil: Gas: 47 %	Oil: % Gas: %	Oil: Gas: 53 %		
If allocation formula is based submit attachments with supp	upon something other than currencting data and/or explaining i	rent or past production, or is b method and providing rate proj	pased upon some other method, ections or other required data.		
40. AIl working overriding and to		mingled zones?	X Yes — No Yes — No X Yes — No		
11. Will cross-flow occur? flowed production be recovered,			not be damaged, will any cross- No (If No, attach explanation)		
12. Are all produced fluids from all co	ommingled zones compatible with		Yes No		
13. Will the value of production be de		Yes _X_No (If Ye			
	anagement has been notified in wr	iting of this application. A res	NO		
15. NMOCD Reference Cases for Ru	le 303(D) Exceptions: ORI	DER NO(S)			
* Production curve for e * For zones with no pro * Data to support allocal * Natification list of all	to be commingled showing its spaceach zone for at least one year. (I be aduction history, estimated production method or formula. offset operators. Inking, overriding, and royalty interents, data, or documents required	t not available, attach explanation tion rates and supporting data.			
I hereby certify that the information a	above is true and complete to the	best of my knowledge and belief.			
SIGNATURE ////	Patto	TITLE	DATE <u>2/19/99</u>		
TYPE OR PRINT NAME	Patto-	TELEPHONE NO. (505) 324 -1090		

		All distances mu	Lease				Well No.
erator manniaco OTI.	COMPANY		BOL	ACK C LS		<u> </u>	11iA
101111	tion	Township	Range	_	County	Tuen	: -7
I	30	27N	<u>-</u>	8W	· San	Juan	
tual Footage Location	of Wellt			980 ,		East	line
	et from the		e and Pool	700 <u>f</u> e	et from the		ated Acreages
ound Level Elev:	Producing For Chacra/Me			CH/Blanco	MV	160/	320 Acres
6127 1. Outline the a	1 Chacra/he	Saverue	المسالة ما	ared nencil	or bachure m	arks on the pl	at below.
interest and r	one lease of o	•	nip is dedicated		- .		of (both as to working owners been consoli-
If answer is this form if no	No If a	owners and trac	type of consoli	which have	consolidate	d (by commun	. (Use reverse side of itization, unitization, proved by the Commis-
			M M M M M	-		CE	RTIFICATION
-	EII V E	D 1	o 	TENNECO CONOCO I I I I	50% 50%	sained herein best of my kno Scott McI	is that the information con- is true and complete to the owiedge and belief. Notice (inney
6 11111111	LAND MANAGEM	ENT		ł			
BUREAU OF FARMINGTO	N RESOURCE AR	Sec.	41	1	1 1 1	Sr. Regu Company Tenneco Date July 2,	
FARMINGTO	N RESOURCE AR	Sec.	30		980'	Sr. Reguing Company Tenneco Date July 2, I hereby ces shown on this notes of action under my sup	1985 Hilly that the well location plat was plotted from fie wal surveys made by me conversion, and that the san correct to the best of me

Cross Timbers Oil Company





Form 3160-5 (November 1994)

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureas, No. 1004-0135 Expires November 30, 2000

BUREAU OF LAND MANAGEMENT					5. Lease Serial No.			
SUNDRY NOTICES	SF 079232							
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					6. If Indian, Allottee or Tribe Name			
SUBMIT IN TRIPLICATE -	7. If Unit or CA/Agreement, Name and/or No							
Type of Well Oil X Gas Well Well Other	· · · · · · · · · · · · · · · · · · ·	Civilia		8. Well Name Bloack C	and No.	#14A		
. Name of Operator Cross Timbers Operating Company				1201.5				
a. Address	3b	. Phone No. (include area co	ode)	9. API Well N				
2700 Farmington Ave., Bldg. K. Ste			,	300452655 10. Field and		oratory Area		
Location of Well (Footage, Sec., T., R., M., or Survey Description of Well (Footage, Sec., T., R., M., or Survey Description)			•	Otero Cha Blanco Me	cra			
2,130' FSL & 980' FEL Sec 30, T27N, R08W					Parish, State			
				Sna Juan		NM		
12. CHECK APPROPRI	ATE BOX(ES) TO INDIC	CATE NATURE OF NOT	ICE, REPORT	, OR OTHER D	ATA			
TYPE OF SUBMISSION		TYPE	OF ACTION					
X Notice of Intent	Acidize	Deepen	Production	n (Start/Resume)	Water	r Shut-Off		
[F]	Alter Casing	Fracture Treat	Reclamation		☐ well I	ntegrity		
Subsequent Report		New Construction	Recomple		X Other			
	Casing Repair Change Plans	-	=		[N] Other	Unc		
Final Abandonment Notice		Plug and Abandon		ily Abandon				
	Convert to Injection	Plug Back	Water Dis	posai				
Cross Timber Operating Co. has apmentioned well. Enclosed is a co								
		***		្រាស់ ម៉ាក់ដូ				
			. P.18 -					
				54 *M** - P -				
4. I hereby certify that the foregoing is true and correct Name (Printed/Typed)		Title						
Myallon		Product	<u>ion Engine</u>	er				
/		Date 2/19/99						
	SPACE FOR FEDER	AL OR STATE OFFI	CE USE					
Approved by /S/ Duane W. Spencer		Title	.	D	MAK -	1 1999		
Conditions of approval, if any, are attached. Approval o certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations thereon	those rights in the subject	nt or Office						
Title 18 U.S.C. Section 1001, makes it a crime for any	person knowingly and will	fully to make to any depa	rtment or agend	ey of the United	States any	false, fictitious		
fraudulent statements or representations as to any matter withir	i its juitsuiction.							



Ms. Lori Wrotenbery New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Re: Administrative Approval to Downhole Commingle Cross Timbers Operating Co.

Bolack "C" LS #14A
2,130' FSL & 980' FEL Sec. 30, T27N, R08W San Juan County, New Mexico

Dear Ms. Wrotenbery,

Cross Timbers Operating Company hereby request administrative approval to downhole commingle the Blanco Mesaverde and Otero Chacra pools in the above mentioned well. The well was originally completed as a dual completion with the Mesaverde being produced under a packer and up the tubing and the Chacra being produced up the casing. Currently both the Mesaverde and Chacra are producing. Through internal analysis it appears that both zones have been under produced. Most wells in this area (primarily Mesaverde wells) are very susceptible to liquid loading problems. Therefore to improve the recovery of liquids and to improve the ultimate recovery of production, Cross Timbers Operating Company is certain that if both zone are approved for downhole commingle then the above objectives can be obtained.

To comply with New Mexico Oil Conservation Rules, Cross Timbers Operating Co is submitting the following data for your approval of the proposed commingling:

- 1. C-107A Application for Downhole Commingle
- 2. C-102 Well Location & Acreage Dedication Plat
- 3. Production curves for both the Mesaverde & Chacra Formation
- 4. Offset Operators Plat
- 5. Well Location Plat

In accordance to New Mexico Oil Conservation Division Rule 303C, all offset operators are being notified of this application. As an offset operator, if you do not have any objections to this application, you do not have to respond to this notification.

If additional information is needed, please feel free to contact Cross Timbers Operating Co.

Sincerely, Matta

Jeffery W. Patton Production Engineer

CC: NMOCD -Aztec, Offset Operators, BLM

State of New Mexico Energy, Minerals and Natural Resources Department Form C-107-A

P.C. Box 1980, Hobbs, NM 88241-1980

OIL CONSERVATION DIVISION

APPROVAL PROCESS: Administrative ___Hearing

Date: 02/09/99

Rates

DISTRICT II

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

DISTRICT III

1000 Rio Brazos Rd, Aztec, NM 87410-1693

water rates of last production

Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data

If Producing, give date and oil/gas/ water rates of recent test

Rates

Date: 02/09/99

2040 S. Pacheco Santa Fe, New Mexico 875054-6429 APPLICATION FOR DOWNHOLE COMMINGLING

 $\langle \dot{\dot{}}_{a} \dot{\dot{}}_{b} \rangle$ Existing Wellbore

X YES

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401 Cross Timbers Operating Company Operator San Juan W80 27N #14A Bloack "C" LS County Unit Ltr. - Sec - Twp - Rge Spacing Unit Lease Types: (check 1 or more) Lease Federal X . _ . (and/or) Fee State API NO. 3004526553 Property Code 022596 OGRID NO. 167067 Lower Intermediate The following facts are submitted in Upper Zane Zone Zone support of downhole commingling: Blanco Mesaverde Otero Chacra 1. Pool Name and 72319 Pool Code 82329 4131'-4701' (perf'd) 3074'-3083' (perf'd) Top and Bottom of Pay Section (Perforations) Type of production (Oil or Gas) Gas Gas Method of Production
 (Flowing or Artificial Lift) Flowing Flowing a (Current) а 5. Bottomhole Pressure 554 psia (calc) 295 psia (calc) Oil Zones - Artificial Lift: Estimated Current Gas & Oil - Flowing: b (Original) Measured Current b. 820 psia (calc) All Gas Zones: 935 psia (calc) Estimated Or Measured Original 6. Oil Gravity (OAPI) or Gas BTU Content) 1342 btu / 46.4 API 1147 btu Production Producing 7. Producing or Shut-In? yes Production Marginal? (yes or no) yes Date Date If Shut-In, give date and oil/gas/ Date Rates

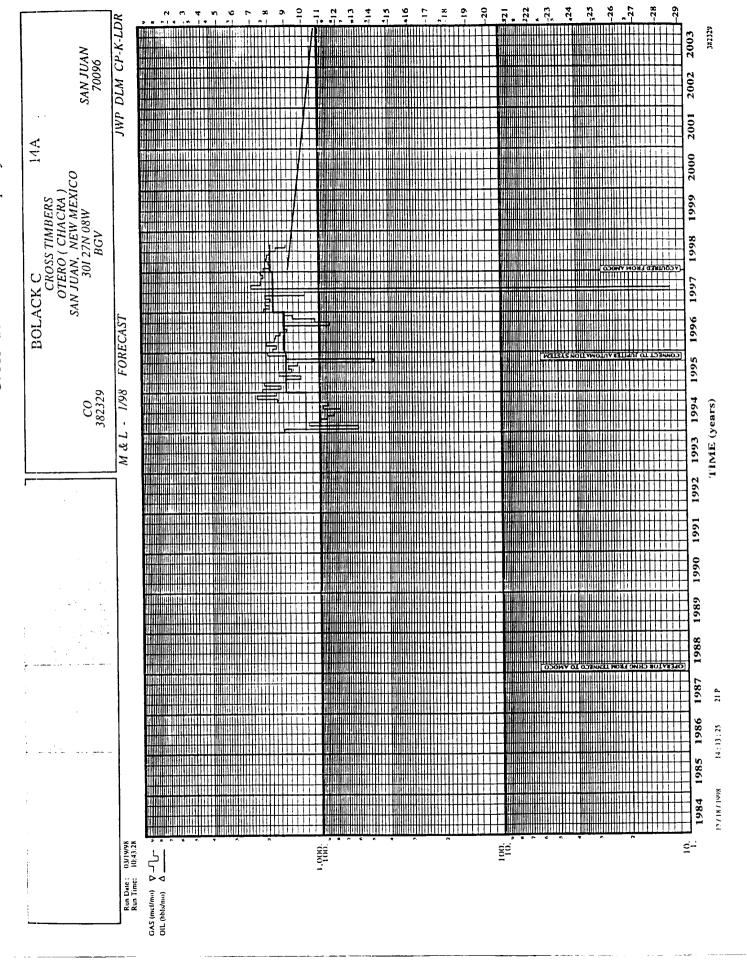
Rates

Date:

Rates

All distances must be from the outer boundaries of the Section. Well No. 1LA Operator BOLACK C LS TENNECO OIL COMPANY Township Section Unit Letter San Juan 8W 27N 30 Actual Footage Location of Wellt c **Eāst**23 980 South feet from the line and 2130 feet from the Dedicated Acreages Producing Formation Ground Level Elev: 160/320 Undes. CH/Blanco MV Chacra/Mesaverde 6127 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 working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc? If answer is "yes," type of consolidation __ Yes N₀ N₀ If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION TENNECO 50% I hereby certify that the information con-CONOCO 50% tained herein is true and complete to the knowledge and belief. RECEIVED AUG 29 1985 Scott McKinney Position Sr. Regulatory Analyst BUREAU OF LAND, MANAGEMENT FARMINGTON RESOURCE AREA Tenneco Oil Co. July 2, 1985 Sec. I hereby certify that the well location 30 shown on this plat was platted from field 980' is true and correct to the best of my knowledge and belief. 30 Scale: 1"-10001

Cross Timbers Oil Company



Cross Timbers Oil Company

