DHC 3/11/99



Ms. Lori Wrotenbery New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505 2931

Re:

Administrative Approval to Downhole Commingle

Cross Timbers Operating Co.

Bolack "C" LS #12

820' FNL & 990' FEL Sec. 29, 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 South Blanco Pictured Cliffs 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 Pictured Cliffs being produced up the casing. Currently both the Mesaverde and Pictured Cliffs 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 & Pictured Cliffs 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

Jeffery W. Patton

Production Engineer

CC: NMOCD -Aztec, Offset Operators, BLM

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Please return this letter or a letter of objection to Mr. David Catanach at the address listed.

Mr. David Catanach New Mexico Oil Conservation Division 2040 South Pacheco Street Santa Fe, New Mexico 87505

Cross Timbers Oil Co sincerely appreciate your prompt response concerning this approval.

Burlington Resources Oil & Gas	Signature:
Greystone Energy	Signature:
Roddy Productions	Signature. Senneth E. Jasky

Bolack "C" LS #12

Offset Operator / Ownership Plat Blanco Mesaverde / South Blanco Pictured Cliffs Downhole Commingle

Township 27 N, Range 08 W

- Burlington Resources Oil & Gas Company 3535 E. 30th St. Farmington, NM 87402
- Greystone Energy
 5802 Hwy 64
 Farmington, NM 87401
- Roddy Productions
 P.O. Box 2221
 Farmington, NM. 8749
- 4. Cross Timbers Operating Co. 6001 E Hwy 64
 Farmington, NM 87401

Cross Timbers Operating Company

> Township 27N, Range 08W

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

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Sincerely,

Jeffery W. Patton Production Engineer

CC: NMOCD -Aztec, Offset Operators, BLM

DISTRICT I

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

State of New Mexico Energy, Minerals and Natural Resources Department

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

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

DISTRICT III

OIL CONSERVATION DIVISION

APPROVAL PROCESS: ___Administrative ___Hearing

2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401

Cross Timbers Operating Company

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

1000 Rio Brazos Rd, Aztec, NM 87410-1693	APPLICATION FOR DOWNHOLE COMMINGLING

EXISTING WELLBORE <u>X</u> YES ___ NO

Bloack "C" LS	#12 A	29 T27N 08W	San Juan County
OGRID NO. <u>167067</u> Property Cod	·	Spacing	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	S. Blanco Pictured Cliff 72439		Blanco Mesaverde 72319
Top and Bottom of Pay Section (Perforations)	2284'-2306' (perf'd)		4554'-4688' (perf'd)
3. 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) 179 psia (calc)	a.	a 617 psia (calc)
Gas & Oil - Flowing: Measured Current All Gas Zones: Estimated Or Measured Original	b. ^(Original) 830 psia (calc)	b.	b. 1076 psia (calc)
6. Oil Gravity (^o API) or Gas BTU Content)	11 4 7 btu		1303 btu
7. Producing or Shut-In?	Producing		Producing
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/ water rates of recent test (within 60 days)	Date: 02/10/99 Rates: 15 mcfpd 0 bwpd 0 bopd	Date: Rates:	Date: 02/10/99 Rates: 77 mcfpd 0 bwpd 0 bopd
Fixed Percentage Allocation Formula -% for each zone	Oii: O % Gas: 24 %	Oil: Gas: %	Oil: Gas: 76 %
If allocation formula is based submit attachments with supp	upon something other than cur porting data and/or explaining	rrent or past production, or is b method and providing rate proj	ased upon some other method, ections 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? X Yes — No			
11. Will cross-flow occur?Yes X_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 reliableYesNo (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 in on, or communitized with, state or federal lands, either the Commissioner of Public Lands or the United States Bureau of Land Management has been notified in writing of this application. X YesNo			
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.			
SIGNATURE ////	Hillon	TITLE	DATE
TYPE OR PRINT NAME SEFFERY W FATTON TELEPHONE NO. (505) 324-1090			

Well Location and Acreage Dedication Plan

Sect	i	- 1
2000	, HOI	

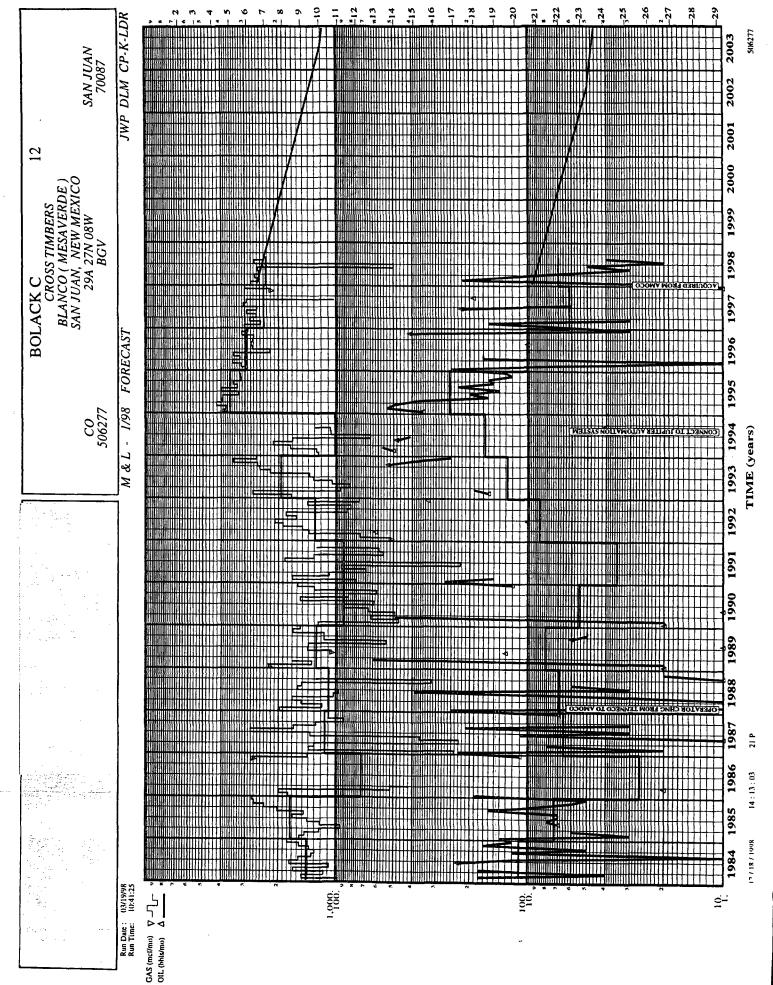
JANUARY 31, 1958

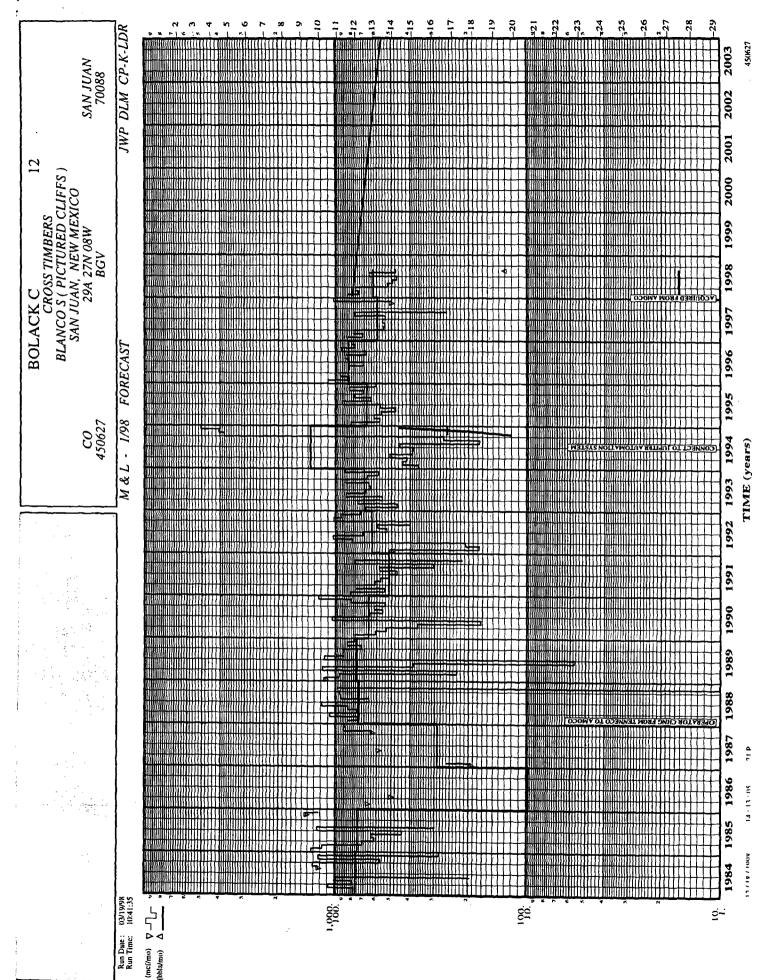
Operator RL PASO NATURAL GAS COM- Well No. 12-C (PM) init Letter A Sect Located 820 Feet From NORTH	10n 29	BOLACK Township 2 Feet Fr	SF 079232 7 N Rimgs 8 W NMI Tom EAST Lie
County SAN JUAN G. L. Elevatio	_n 6231	Dedicated Acre	•
Name of Producing Formation MESA VERDE 6			EXT. MV-SO. BLANCO PC.
 Is the Operator the only owner in the dedicate Yes XNo 	ed acreage outlined on	the plat below?	
2. If the answer to question one is "no", ha	ve the interests of all	the owners bee	n consolidated by communitizati
agreement or otherwise? YesNo			
3. If the answer to question two is "no", list	all the owners and the	ir restoctive inte	oroste Lulaur
Owner	All the Cancie and the	Land Des	
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		,	
			TO THE SECTION OF THE
			图数数数据控制 电管扩张器
Section B.	Note: All distances	müsr be freezen	\$\$\$\$ \$\$\$\$\$\$\$\$\$\$
This is to certify that the information.			
'n Section A above is true and complete		% /,	\sim \sim
to the best of my knowledge and belief.	* · · · · · · · · · · · · · · · · · · ·	X /2 ***	990'
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El Paso Hatural Gas Company		₩ ,	· · · · · · · · · · · · · · · · · · ·
Original Signed D. C. Johnston		X	
Representative		% //	*
Box 997		% /	SF 079232
(Address)			
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This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my superviction and that the same are true and correct to the best of my knowledge and belief.

(Seal)

Farmington, New Mexico





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