

Getty Oil Company | P. O. Box 730, Hobbs, New Mexico 88240

505/397-3571

Central Exploration and Production Division

August 9, 1984

Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attn: Mr. Joe D. Ramey

Re: Application for Statewide Rule #303-C
Downhole Commingle Production
Tubb-Drinkard and Fusselman
A. B. Coates "C" #12 Unit K
Section 24, T-25-S, R-37-E
Lea County, New Mexico

Gentlemen:

Getty Oil Company respectfully requests administrative approval to downhole commingle Tubb-Drinkard and the Fusselman production in A. B. Coates "C" #12 which is located 1980' FSL and 1650' FWL Unit K, Section 24, T-25-S, R-37-E, in Lea County, New Mexico.

The Justis Tubb-Drinkard, which is perforated 5794-5867', last tested on 7/4/84, 21 BO, 76 BW and 280 MCF, in 24 hrs. The Justis Fusselman Zone, which is perforated 6656-6702', last tested on 2/16/84, 2.5 BO, 7 BW and 3 MCF in 24 hrs. The Fusselman interval has been shut-in in March 1984 due to mechanical problems.

The following facts are submitted in support of the above request which is an extension of Statewide Rule 303, Paragraph "C":

1. Both zones are classified as oil zones.
2. Total production from both zones are expected to be less than the 40 BOPD which is the maximum allowable for this depth bracket.
3. Sufficient artificial lift equipment exist on the well to lift the commingled production.
4. The fluids from each zone are compatible with fluids from each other. The zones are multiply completed in various combinations in this and other wells on the lease and no fluid incompatibility between the fluids has been found.
5. The total valve of crude will be increased by commingling in that the Fusselman Zone will be returned to production from a shut-in status.
6. Ownership of both zones is common, including working and royalty interest.
7. Commingling will not jeopardize future Secondary Recovery Operations, as no secondary operations are being conducted at the present time.
8. Attached are decline curves for each of the zones, along with current productivity tests (C-116) for the Tubb-Drinkard and



Fusselman zones.

9. The BHP of the zones are low. The Fusselman is shut-in below a packer and the Drinkard BHP is estimated at 850 psi.
10. The produced water from these and all other zones on the lease are handled through one system. There have been no incompatibility problems. The zones have been in communication when these and other wells were pulled and no detrimental effects have ever been found on this eight multi-zone lease.
11. The price of the Fusselman oil will be reduced 27.9 cents per barrel. Production will increase 2.5 BO or \$87 per day-the expected production from the NIO Fusselman zone.
12. All offset operators and the Bureau of Land Management have been furnished with copies of this request.

Certain economic considerations make the request for downhole commingling the only viable solution to recover the remaining Fusselman reserves. The downhole commingling will ultimately reduce the excessive corrosion problems encountered in dual completions and thus reduce the operating expense. This request is in the interest of conservation.

Respectfully,

GETTY OIL COMPANY

A handwritten signature in cursive script, reading "Donald J. Steinnard".

for Dale R. Crockett
Area Superintendent

JIM/cp

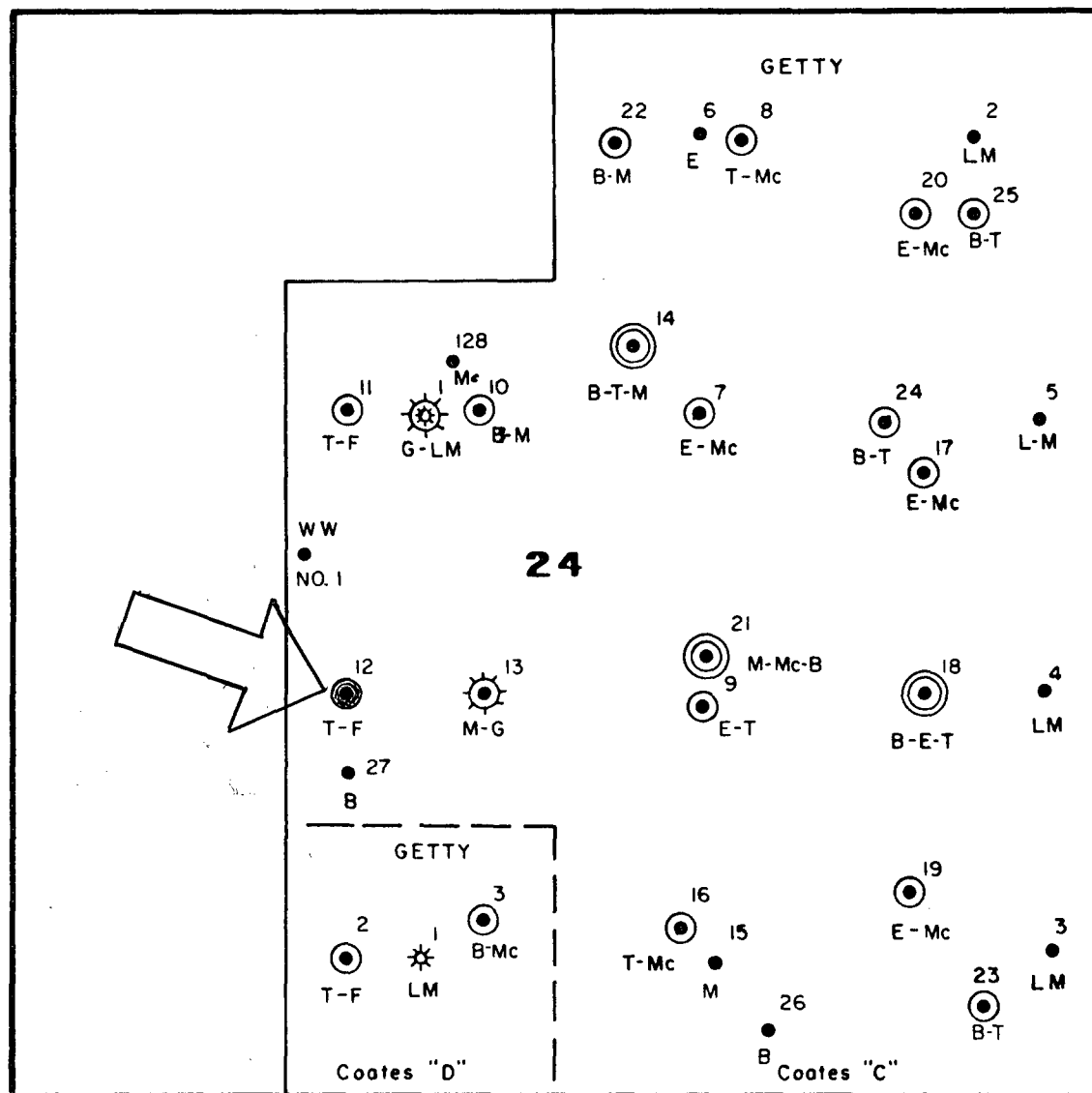
Attachments

Jim or MICIKAS
BRAD or BURKES



R 37 E

T
25
S



Application For Downhole
Commingling

A. B. Coates "C" #12

Justis Tubb-Drinkard Pool
Justis Fusselman Pool

WW - WATER WELL	900
LM - LANGLEI MATTIX	3300
G - GLORIETA	4900
B - BLINEBRY	5300
T - TUBB - DRINKARD	5700
F - FUSSELMAN	6800
M - MONTOYA	6900
Mc - McKEE	7300
E - ELLENBURGER	8100

GETTY OIL COMPANY
A.B. COATES "C" & "D" LEASES
JUSTIS POOLS
LEA COUNTY, NEW MEXICO

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-110
Revised 1-1-65

Operator Getty Oil Company		Pool Justis Tubb-Drinkard		County Lea	
Address P. O. Box 730; Hobbs, New Mexico 88240				Type of Test - (X) <input checked="" type="checkbox"/> Scheduled <input type="checkbox"/>	
Lease Name A. B. COATES "C"		Well No. 12		Location K 24 25-S 37-E	
		U		S	
		T		R	
		DATE OF TEST 7/4/84		CHOKE SIZE ---	
		TBG. PRESS. ---		DAILY ALLOW-ABLE 40	
		LENGTH OF TEST 24		WATER BLS. 76	
		PROD. DURING TEST 351		OIL BLS. 21	
		GAS M.C.F. 280		GAS-OIL RATIO 13,333	
		APPLICATION FOR DOWNHOLE COMMINGLING			

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 361 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Dale R. Crockett, Jr., P.E. Superintendent

COPIES TO:

U. S. Geological Survey
Carlsbad Resource Area
P. O. Box 1778
Carlsbad, New Mexico 88220

Texaco, Inc.
P. O. Box 728
Hobbs, New Mexico 88240

Amerada-Hess
Drawer "D"
Monument, New Mexico 88265

Union of Texas
1300 Wilco Building
Midland, Texas 79701

Atlantic Richfield
P. O. Box 1710
Hobbs, New Mexico 88240

Gulf Oil Company
P. O. Box 670
Hobbs, New Mexico 88240

W. K. Byrom
P. O. Box 147
Hobbs, New Mexico 88240

The above received one complete copy of the downhole commingling request.

**NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS**

C-116
Revised 1-1-55

Operator Getty Oil Company		Pool Justis Fusselman		County Lea												
Address P. O. Box 730, Hobbs, New Mexico 88240		Type of Test - (X) <input checked="" type="checkbox"/> TEST - (X)		Scheduled <input type="checkbox"/> Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	SIZE	CHOKES	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL.
		U	S	T	R							WATER BBL.	CRAV. OIL	OIL SEC.	GAS M.C.F.	
A. B. COATES "C"	12	K	24	25-S	37-E	2/16/84	P	---	---	3	24	7	36.9	2.5	3	1200
APPLICATION FOR DOWNHOLE COMMINGLING																

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 During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowable when authorized by the Commission.

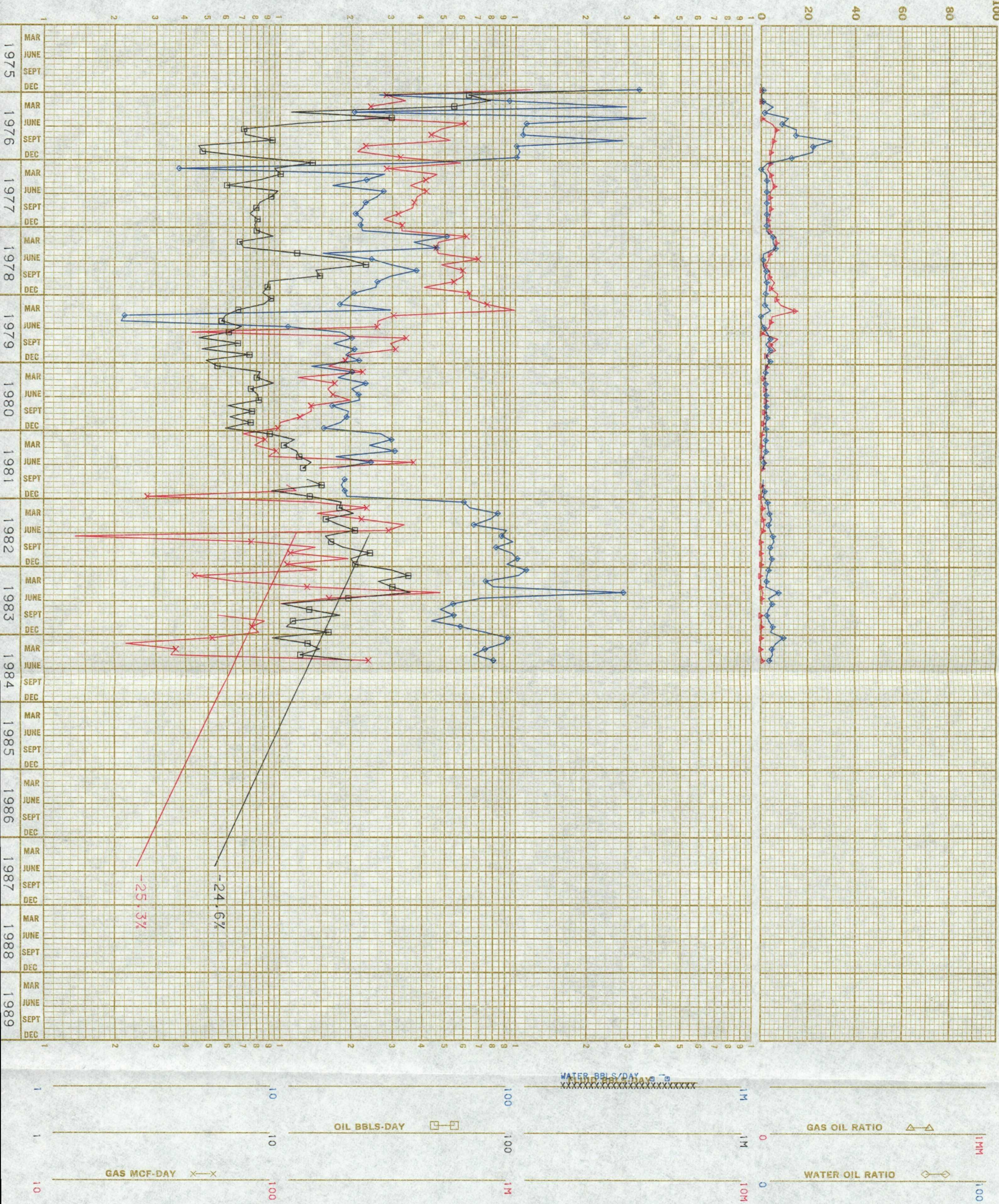
Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

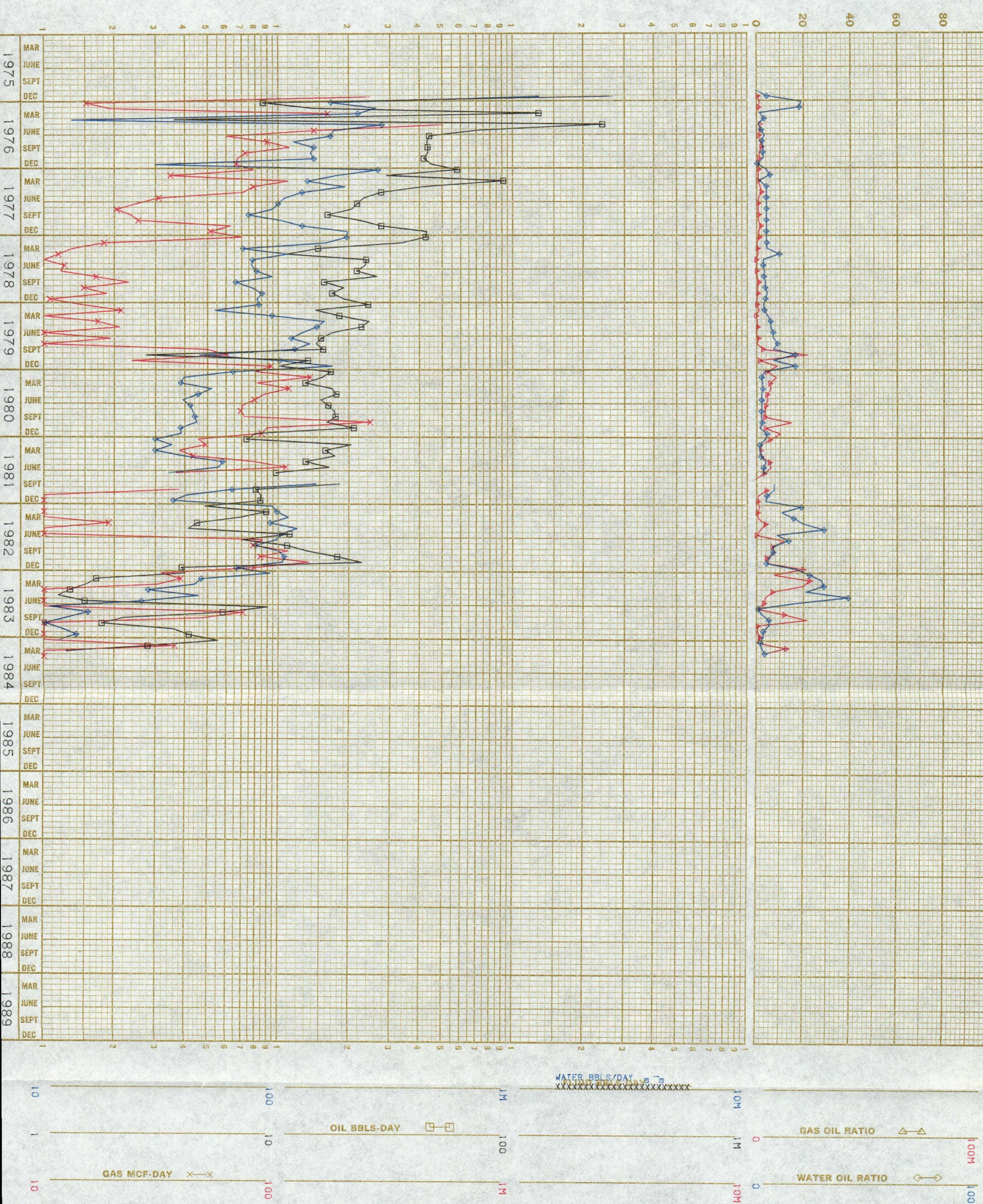
Report casing pressure in lieu of tubing pressure for any well producing through casing.

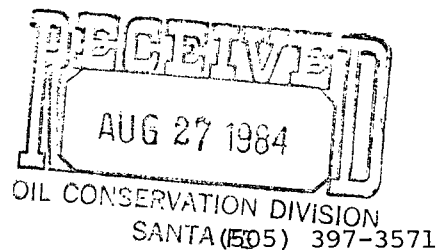
Well original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 303 and appropriate pool rules.

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

Dale R. Crockett, Area Superintendent







Getty Oil Company | P.O. Box 730, Hobbs, New Mexico 88240

Central Exploration and Production Division

August 23, 1984

New Mexico Oil Conservation Commission
P.O. Box 2088
Santa Fe, New Mexico 87501

RE: SUPPLEMENT INFORMATION APPLICATION
FOR DOWNHOLE COMMINGLING - A.B.
COATES "C" NO. 12, UNIT K, SECTION
24, T-25-S, R-37-E, Lea County, NM

ATTENTION: MR. GILBERT QUINTANA

Gentlemen:

As requested Getty Oil Company is submitting calculated bottom hole pressure data as obtained from A.B. Coates "C" No. 10 (Fusselman producer) and A.B. Coates "C" No. 11 (Drinkard producer). These two wells are in the adjacent proration unit to the North.

Well Nos. 10 and 11 were shut in for four days prior to obtaining static fluid levels and shut-in casing pressures. The following is the calculation of bottom hole pressures:

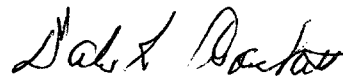
	Fluid above midpoint of Perfs		Gradient	SICP	BHP
			psi		
<u>Drinkard:</u>	[492 ft. x		.4205 ft]	+234 psi =	441 psi
			psi		
<u>Fusselman:</u>	[194 ft. x		.4274 ft]	+300 psi =	383 psi


Also attached is a well diagram of A.B. Coates "C" No. 12.

If you have any further questions, please do not hesitate to call.

Yours very truly,

GETTY OIL COMPANY


Dale R. Crockett
Area Superintendent


JIM/cb
cc: File w/att.

WELL DIAGRAM
A.B. COATES "C" NO. 12

All measurements 14' AGL

PRESENT

PROPOSE to remove parallel tubing strings and packer. Tubing will be set @ ±6600' open-ended, and well placed on production.

13 3/8" csg. set @ 542' w/550 sx. cement circulated

9 5/8" 36 & 32.3#/ft csg. set @ 3348' w/1200 sx. DV tool @ 833' cmt. 90' from surface

Drinkard 5890-5940' (7/16/58) 4 spf - 500 gal mud & 500 gal reg.
(4/13/66) 2000 gal 15%
(5/11/76) 3000 gal 15%

Drinkard 5794', 97', 5801', 02', 07', 09', 11', 27', 32', 39', 40', 44', 53', 60', 66', 67' - 1 spf (3/24/72) 3500 gal 15%
Model D pkr @ 6597'

Fusselman 6656', 60', 66', 68', 74', 76', 81', 84', 94', 98' & 6702' 1 spf (5/11/76) 1000 gal 15%

CIBP @ 6735' PBD 6725'

Fusselman 6742'-47', 50'-54', 57'-62', 72', 74'-79', 82'-87' 1 spf (3/24/72) 1000 gal 15% - (6/12/74) 2500 gal 15%

CIBP @ 6813' w/10' cement

Fusselman 6827'-38' & 46'-57' 2 spf (4/7/64) 1000 gal acid 15%
(2/17/66) 1500 gal acid 15%

CIBP @ 6888' PBD 6873'

Fusselman 6930'-6975' 4 spf 500 gal mud and 500 gal reg. (7/16/58)

7" 23#/ft J-55 & N-80 csg set @ 7137' w/850 sx. DV tool @ 5504' cement top @ 1880'