

Gulf Oil Company - U.S.

PRODUCTION DEPARTMENT

HOBBS AREA

June 20, 1974

C. D. Borland
AREA PRODUCTION MANAGER

P. O. Box 670
Hobbs, New Mexico 88240

Mr. A. L. Porter
New Mexico Oil Conservation Commission
Post Office Box 2088
Santa Fe, New Mexico 87501

Dear Sir:

Gulf Oil Corporation requests your administrative approval for downhole commingling of the Vacuum San Andres and North Vacuum Abo production in its Ritts State No. 2, located 2080' FNL and 560' FEL, Section 21, 17-S, 34-E, Lea County, New Mexico.

We believe this well qualifies for administrative approval in accordance with Statewide Rule 303, Paragraph C, and in support of this application the following facts are submitted:

1. The attached plat shows the Ritts State lease outlined in red and is described as the NE/4, Section 21, 17-S, 34-E, Lea County, New Mexico, with subject well outlined in red.
2. The well was completed on February 27, 1972 in the North Vacuum Abo pool, flowing 118 BOPD thru perforations 8853' to 8881'. Pumping equipment was installed in March, 1972 and production steadily declined to an average of 25 BOPD and 1 BWPD in April 1974. See attachment for production decline curve for this zone.
3. On May 19, 1974 a retrievable bridge plug was set in 5-1/2" casing at 4797' and the Vacuum San Andres zone perforated with 2, 1/2" JHPF at 4696-98', 4702-04', 4709-11' and 4722-24'. This zone was treated with 4,000 gallons of 15% NE acid and frac treated with 17,000 gallons of gel water. Well was then swab tested at approximately 15 BOPD plus 3 BWPD.
4. The commingling will not result in any appreciable reduction of oil value, and both zones are compatible.
5. Each zone would require artificial lift, therefore, in view of the marginal production and the problems involved in dual completing in 5-1/2" casing, would not be economically feasible to operate as a conventional dual completion.
6. The ownership of the two zones to be commingled are common.
7. Copies of this application have been furnished all offset operators.

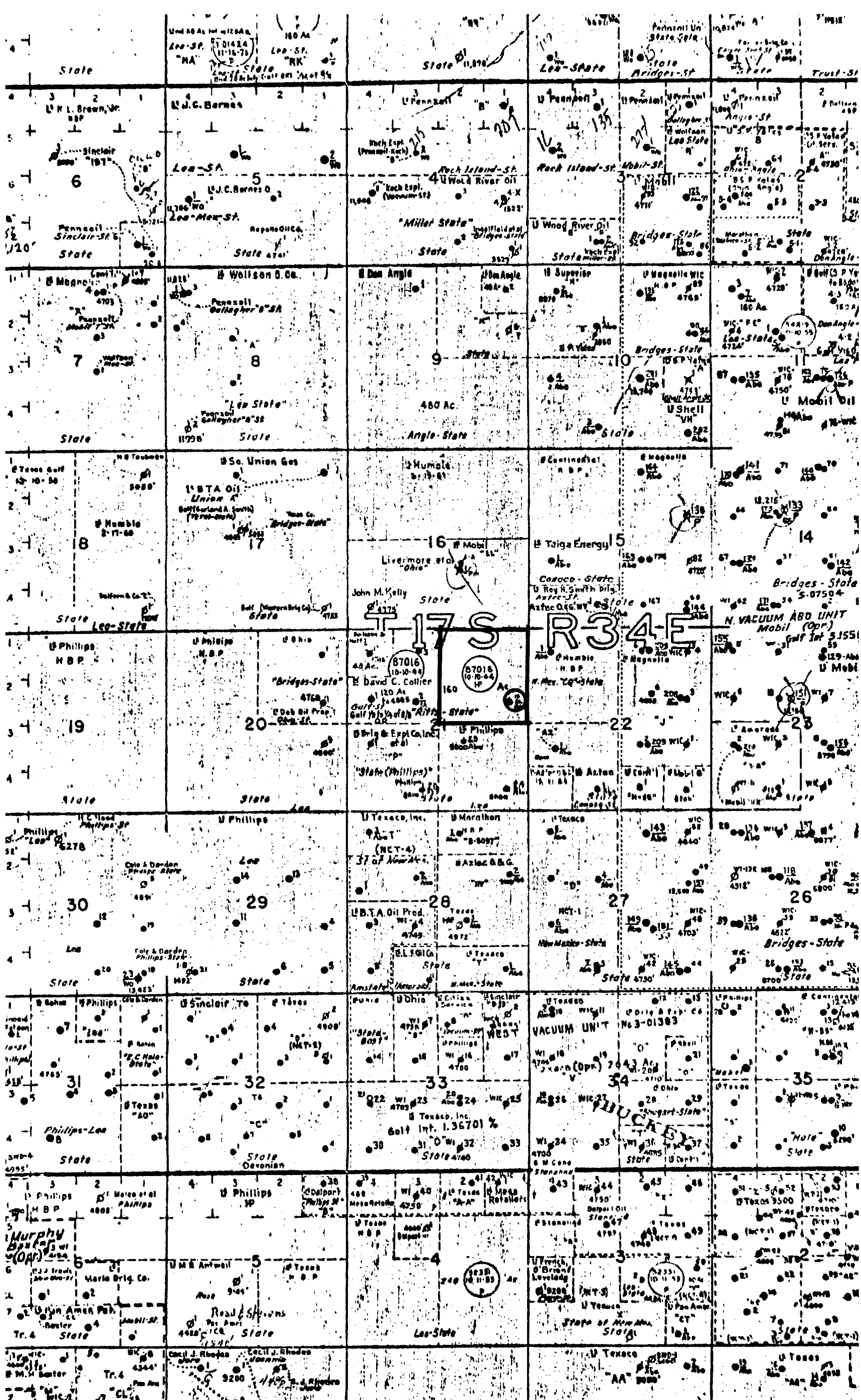
Your early consideration in this matter will be appreciated.

Yours truly,

C. D. Borland
C. D. BORLAND

lwd:
Att'd.
cc: NMOCC, Hobbs
All Offset Operators
J. L. Pike

A DIVISION OF GULF OIL CORPORATION



RITS STATE #2 N. VACUUM ABO POOL



NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Gulf Oil Corporation		Pool Vacuum San Andres		County Lea									
Address Box 670, Hobbs, New Mexico 88240		TYPE OF TEST - (X)		SCHEDULED ☐ SPECIAL ☒									
LEASE NAME Ritts State	WELL NO. 2	LOCATION U S T R			DATE OF TEST 5-22-74	CHOKE SIZE 2"	T.B.G. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS 24	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL
		The estimated bottom hole pressure of this zone does not exceed 200#											

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 301 and appropriate pool rules.

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


(Signature)

Area Engineer

(Title)

June 21, 1974

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Gulf Oil Corporation		Pool North Vacuum Abo		County Lea										
Address Box 670, Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Completion ☐ Spec'd ☒										
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT./BBL	
		U	S	T						R	WATER BBLs.	GRAV. OIL BBLs.		GAS M.C.F.
Ritts State	2	H	21	17S	34E	4-26-74	P 2"	--	35	24	1	36.3	25	--
		The estimated bottom hole pressure of this zone does not exceed 200#												

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 301 and appropriate pool rules.

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


(Signature)

Area Engineer

(Title)

June 21, 1974

(Date)