

Gulf Oil Company - U.S.

EXPLORATION AND PRODUCTION DEPARTMENT
ROSWELL DISTRICT

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P. O. Drawer 1938
Roswell, New Mexico 88201

June 3, 1970

DHC - 48

New June 25

Oil Conservation Commission
State of New Mexico
Post Office Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. A. L. Porter, Jr.

Re: Application for Downhole Commingling,
Arnott-Ramsay (NCT-F) Well No. 11,
Justis Blinebry and Justis Tubb-Drinkard
Pools, Lea County, New Mexico

Gentlemen:

Gulf Oil Corporation respectfully requests administrative approval for downhole commingling in its Arnott-Ramsay (NCT-F) Well No. 11, located 1980' FNL and 1980' FWL of Section 36-25S-37E, Justis Blinebry and Justis Tubb-Drinkard Pools, Lea County, New Mexico.

This well qualifies for administrative approval in accordance with State-wide Rule 303, Paragraph C, and in support thereof the following facts are submitted:

- (1) The attached plat shows the Arnott-Ramsay (NCT-F) Lease outlined in red and Well No. 11 circled and colored in red.
- (2) The well is dually completed in the Justis Blinebry and Justis Tubb-Drinkard Pools approved by Commission Order No. MC-1133 dated January 2, 1962.
- (3) Attached is a copy of Commission Form C-116 showing productivity tests for each zone. The total production is less than 30 BOPD, which is within the limits prescribed in Rule 303, Paragraph C(b).
- (4) Neither zone produced more water than the combined oil limit as determined in Rule 303, Paragraph C(b).
- (5) The fluids have been commingled on the surface for several years and no problems have been encountered to indicate incompatibility; therefore, there will be no damage to the reservoir.

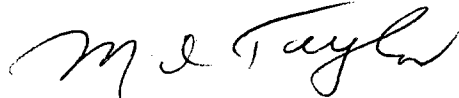


June 3, 1970

- (6) The commingling on the surface resulted in no reduction of oil value; therefore, downhole commingling will not result in a lesser value for the crude.
- (7) The ownership of the two zones is common.
- (8) Attached is a production decline curve showing the monthly production of oil for each zone since 1966. The Tubb-Drinkard zone in this well has been shut-in since July, 1968 because it is uneconomical to produce.
- (9) The bottom hole pressure for each zone is estimated. The Justis Blinbry estimated pressure is 144 psig and the Tubb-Drinkard is 177 psig.
- (10) The mechanics for commingling in the well bore will allow the two zones to again be separated in the event secondary recovery operations should be instigated in the future.
- (11) Copies of this application have been furnished to all offset operators.

Respectfully submitted,

GULF OIL CORPORATION



M. I. Taylor

Attachments
JHH:sz

cc: New Mexico Oil Conservation Commission
Post Office Box 1980
Hobbs, New Mexico 88240

Tenneco Oil Company
Post Office Box 1031
Midland, Texas 79701

West State Petroleum Corporation
Post Office Box SS
Jal, New Mexico 88252

Pan American Petroleum Corporation
Post Office Box 68
Hobbs, New Mexico 88240

Union Texas Petroleum
1300 Wilco Building
Midland, Texas 79701

Atlantic Richfield Company
Post Office Box 1978
Roswell, New Mexico 88201

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

C-116
Revised 1-1-65

Operator		Gulf Oil Corporation				Pool	Justis Blinbry				County	Lea			
Address		P. O. Box 980, Kermit, Texas 79745				TYPE OF TEST - (X)		Scheduled ☐		Completion ☐		Special ☒			
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	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 BBLs.	GRAV. OIL BBLs.	GAS M.C.F.			
Arnott Ramsey NCT-F	11	F	36	25S	37E	5-22-70	F -	40	22	24	8	37.0	20	1.31	6,550
Commingled in well-bore survey.															

No well will be assigned an allowable greater than the amount of oil produced on the official test.

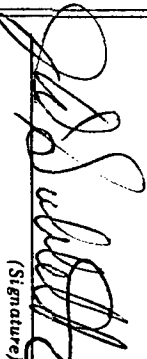
During gas-oil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized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

Area Engineer (Title)

June 3, 1970 (Date)

(Date)

