

ARCO Oil and Gas Company
Permian District
Post Office Box 1610
Midland, Texas 79702
Telephone 915 684 0100



August 10, 1979

Mr. Joe D. Ramey
Oil Conservation Division
New Mexico Department of Energy & Minerals
P. O. Box 2088
Santa Fe, New Mexico 87501

RE: Jal Federal No. 3
Section 11-25S-37E
Lea County, New Mexico
Application to Downhole
Commingled the Blinebry and
Tubb-Drinkard Zones

Dear Sir:

ARCO Oil and Gas Company requests administrative approval under the provisions of Rule 303-C to downhole commingle Blinebry and Tubb-Drinkard production in the Jal Federal No. 3. This well is located in Section 11, T25S, R37E of Lea County, New Mexico.

Production from the Blinebry and Tubb-Drinkard zones has been commingled in the surface lease facilities (Order #PC-164) with no indication of fluid incompatibility. Since the crudes are commingled at the battery before sale, no difference in value will result from commingling the production downhole. Ownership of both zones is common, and correlative rights will not be violated.

Producing from a maximum depth of 6100', this well is allowed a commingled production rate of 40 BOPD. The water production limit is 40 BWPD from each zone.

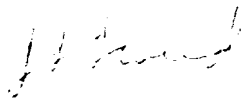
The Jal Federal #3 produces 16 BOPD + 27 BWPD + 400 MCFPD from the Blinebry and 16 BOPD + 7 BWPD + 15 MCFPD from the Tubb-Drinkard. Current bottom hole pressures were measured to be 613 psig for the Blinebry and 1029 psig for the Tubb-Drinkard. Both zones are producing by natural flow.

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Joe D. Ramey

Additional information, such as decline curves, Form C-116-A, List of Offset Operators, and lease and well information is included as required by Rule 303-C. Offset Operators and the U. S. Geological Survey are being notified by registered mail with a copy of this application.

Thank you for your consideration.

Very truly yours,



J. L. Tweed

KG:ad

cc: Offset Operators
NMOCC Area Supervisor
P. O. Box 1980
Hobbs, New Mexico 88240

JAL FEDERAL #3

1. Operator: ARCO Oil and Gas Company
P. O. Box 1610
Midland, Texas 79702
2. Lease, Well, and Location:

Jal Federal No. 3
990' FNL & 990' FEL
Section 11-25S-37E
Lea County, New Mexico
3. Producing Zones:

Blinebry by natural flow.
Tubb-Drinkard by natural flow.
Bottom-most perforation at 6145'.
4. Commission Order No. Authorizing Dual Completion:

MC-1601
5. Decline Curves: attached
6. Bottom Hole Pressures: Blinebry - 613 psig
Tubb-Drinkard - 1029 psig
7. Fluid Incompatibility:

Production from these zones is being
commingled in the surface facilities
No evidence of fluid incompatibility
has been found. (PC-164)
8. Value of Commingled Fluids:

Production from these two zones is
already being commingled in the surface
facilities before sale, therefore
downhole commingling will not affect
the current pricing.
9. Current Production: See attached C-116.
10. All Offset Operators and the United States
Geological Survey are being notified by
copy of this application.

LIST OF OFFSET OPERATORS

Gulf Oil E&P Company
P. O. Box 1150
Midland, Texas 79702

Exxon
P. O. Box 1600
Midland, Texas 79702

Texas Pacific Oil Company
P. O. Box 4067
Midland, Texas 79702

Continental Oil Company
P. O. Box 460
Hobbs, New Mexico 88240

Union Texas Petroleum Corp.
1300 Wilco Bldg.
Midland, Texas 79701

Cities Service
Box 1919
Midland, Texas 79701

United States Geological Survey
P. O. Drawer U
Artesia, New Mexico 88210

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-55

Operator		Well		County		Lea									
ARCO Oil & Gas Company		Justis Blinberry													
Division of Atlantic Richfield Company															
Address		P.O. Box 1710, Hobbs, New Mexico 88240		Type of Test - (X)		Scheduled ☐ Special ☒									
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - RATIO CU.FT/	
		U	S	T	R						WATER BLS.	GRAV. OIL BLS.	GAS M.C.F.		
Jal	3	A	11	25	37	7-11-79	P	80	20	24	27	37.7	16	260	16,2
Above test is 24 hr. productivity test preparatory to comingling downhole w/Justis Tub Drinkard zone.															

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 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 301 and appropriate pool rules.

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

W. S. Shuckelard
(Signature)
Engr. Tech. Spec.
(Title)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-118
Revised 1-1-55

Operator ARCO OIL & GAS COMPANY		Pool		County		Lea									
Division of Atlantic Richfield Company		Justis Tubb Drinkard													
P.O. Box 1710, Hobbs, New Mexico 88240		TYPE OF TEST - (X)		Scheduled ☐		Completion ☐									
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - RATIO CU.FT/	
		U	S	T	R						WATER BOLS.	GRAV. OIL BOLS.	GAS M.C.F.		
Jal	3	A	11	25S	37E	7-30-79	F 48/64"	60	10	24	7	38.0	16	34	2125
Above is a 24 hr. productivity test preparatory to commingling down hole with the Justis Blinberry.															

No well will be assigned an allowable greater than the amount of oil produced on the official test.
During test-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 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)
Energy Tech. Spec.
(Title)

AR3B-657-A