

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



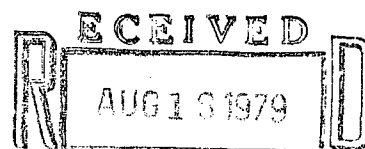
August 10, 1979

DHC - 288

Duc - 9/5/79

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



OIL CONSERVATION DIVISION
SANTA FE

Dear Sir:

*Justis - Blinebry
Justis Tubb-Drinkard*

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.

Page 2
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,

A handwritten signature in cursive script, appearing to read "J. L. Tweed".

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:

Blaine 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: Blaine - 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 1-1-65

Operator ARCO Oil & Gas Company Pool Justis Blinberry County Lea
Division of Atlantic Richfield Company
Address P.O. Box 1710, Hobbs, New Mexico 88240

P.O. Box 1710, Hobbs, New Mexico 88240										TYPE OF TEST - (X)		Scheduling ☐		Completion ☐		Special ☒	
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/BSU		
		U	S	T	R						WATER BBL.S.	GRAV. OIL BBL.S.	GAS M.C.F.				
Jal	3	A	11	25	37	7-11-79	P	80	20	24	27	37.7	16	260	16,250		
Above test is 24 hr. productivity test preparatory to commingling 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 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.
Keep 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. Shuckford
(Signature)
Engrg. Tech. Spec.
(Title)

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

C-116
Revised 1-1-55

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

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

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Keep 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.

A. S. MacFarland
(Signature)

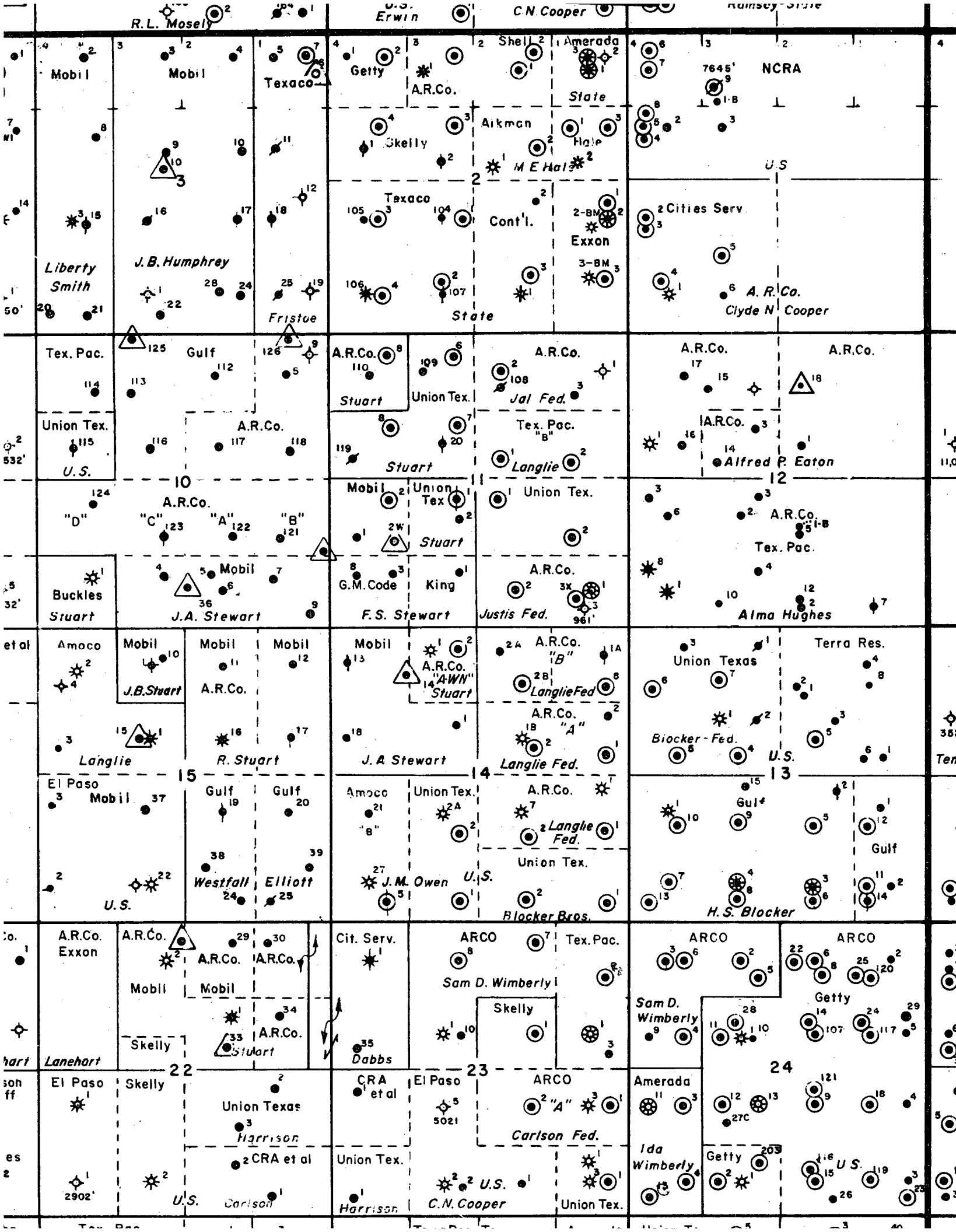
Engr. Tech. Spec.

(Title)

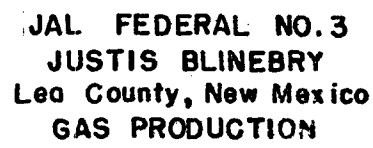
To Special Projects Joe Hastings
State Field, (Formation)

Lease and well number	Date of	Well
New Mexico, Justice Blind		

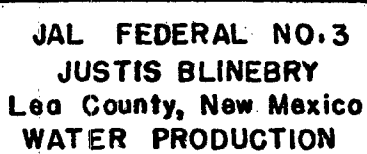
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KEUFFEL & ESSER CO.



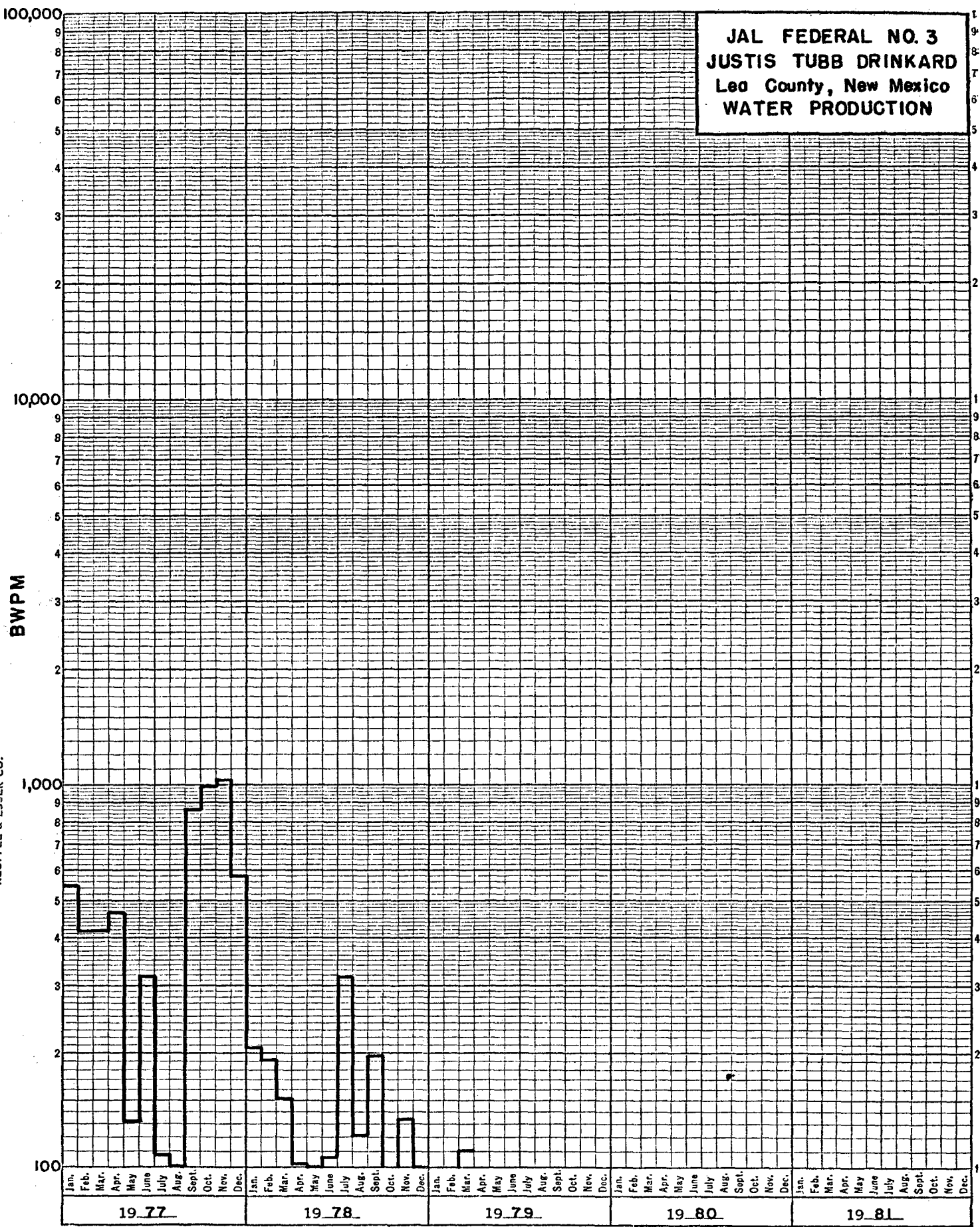
46 6693
MADE IN U. S. A. •



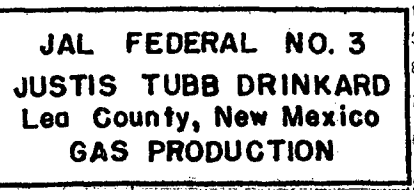
KEUFFEL & ESSER CO.

JAL FEDERAL NO. 3
JUSTIS TUBB DRINKARD
Lea County, New Mexico
OIL PRODUCTION
GUM. PROD.: 65190 bbl.
FLOWING

K&W 5 YEARS BY MONTHS 46 6693
MADE IN U.S.A.
KEUFFEL & ESSER CO.



WARS BY MONTHS LOG CYCLES



OIL CONSERVATION COMMISSION
Hobbs DISTRICT

*Hearing? no
6685 oct 18*

OIL CONSERVATION COMMISSION
BOX 2088
SANTA FE, NEW MEXICO

DATE August 16, 1979

RE: Proposed MC _____
Proposed DHC X _____
Proposed NSL _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

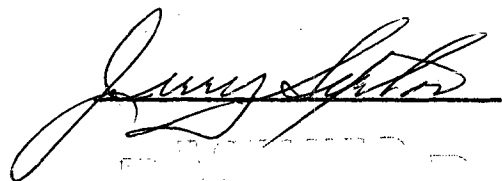
Gentlemen:

I have examined the application dated _____
for the ARCO Oil & Gas Co. Jal No. 3 A 11-25-37
Operator Lease and Well No. Unit, S-T-R

and my recommendations are as follows:

O.K.--J.S.

Yours very truly,



RECEIVED
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
AUG 21 1979