

SUN OIL COMPANY 901 W. WALL, POST OFFICE BOX 1861, MIDLAND, TEXAS 79701 (915) 682-8271

December 17, 1976

DHC - 211 Due-1/10/17

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

Attn: Mr. Joe D. Ramey Secretary-Director

RE: DOWN HOLE COMMINGLING APPLICATION J. G. RANDLE - WELL NUMBER 1

Gentlemen:

Sun Oil Company respectfully request an exception to Rule 303-A in order to permit commingling within the well bore, production from the Blinebry and Uninkard Oil Pools in Sun's J. G. Randle #1. This well is located in Unit E, and is 1980' FNL and 660' FWL of Section 20, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico.

Administrative Order No. MC-1606, approving multiple completion in the Blinebry and Drinkard Oil Pools, was granted for the J. G. Randle #1 on March 17, 1965. However, the Blinebry Pool was never dually completed with the Drinkard, and was not perforated until 11-6-76, when 24 holes were shot from 5687-5874. The Drinkard zone, producing from an open hole interval 6642-6679 and from perforations 6576-6620, was isolated on 11-5-76 behind a retrievable bridge plug set at 6560. Subsequent treatment of the Blinebry perfs included acidizing with 3600 gallons of 15% NE FE HCL and fracing with 20,000 gallons gelled lease oil and 26.000# 20-40 sand.

Based on previous production test, Sun is anticipating commingled production to be 22 barrels of oil per day and 308 MCF of gas per day, as the Blinebry perfs in 24 hours produced 13 barrels of oil, no water, and 200 MCF of gas, while production from the Drinkard perfs tested 9 barrels of oil, 1 barrel of water, and 108 MCF of gas. Sun request that 59% of the oil production and 65% of the gas production be allocated to the Blinebry Pool with the remainder credited to the Drinkard.

Estimated bottom hole pressure in the Blinebry Pool is 923# based on fluid level data following an 18 hour shut-in. Bottom hole pressure in the Drinkard Pool is estimated to be 400# based on extrapolating previous pressure data versus the current cumulative production. As the pumping equipment installed on the well is capable of keeping the fluid pumped down, there should be no crossflow between producing intervals.

Page 1

Compatibility of fluids within the well bore is assured due to a minimum of produced water. The Drinkard tested one barrel of water in 24 hours and the Blinebry produced none. Crude API gravities for the Blinebry and Drinkard zones respectively, were 34.5° and 35.4° at 60° F. Value of the commingled production will not be less than the sum of the values of the individual streams, as the value received for the 34.5° crude is \$13.78 and the value received for the 35.4° crude is \$13.80.

Listed below are the offset operators who have been notified in writing of the proposed commingling. Also, the Hobbs District Office of the New Mexico Oil Conservation Commission has been furnished a copy of this application.

Approval of this application will insure that waste has been avoided and that the practice of good conservation will aid in the recovery of additional hydrocarbons without the violation of correlative rights.

If additional information is required, please advise.

Very truly yours, SUN OIL COMPANY

Charles A. Gray

Charles A. Gray Proration Analyst

CAG/g cc: NMOCC - Hobbs attachments

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\frac{B0}{Bl} & \underline{McFpac} \\
\frac{Bl}{13(599)} & \underline{200(559)} \\
\overline{Dn} & - & \underline{9(419)} \\
22 & \underline{108(359)} \\
308
\end{array}$

Bottom pf - 6679 max prod = 40 BOPD

OFFSET OPERATOR LIST

Atlantic Richfield Company Box 1610 Midland, Texas 79701

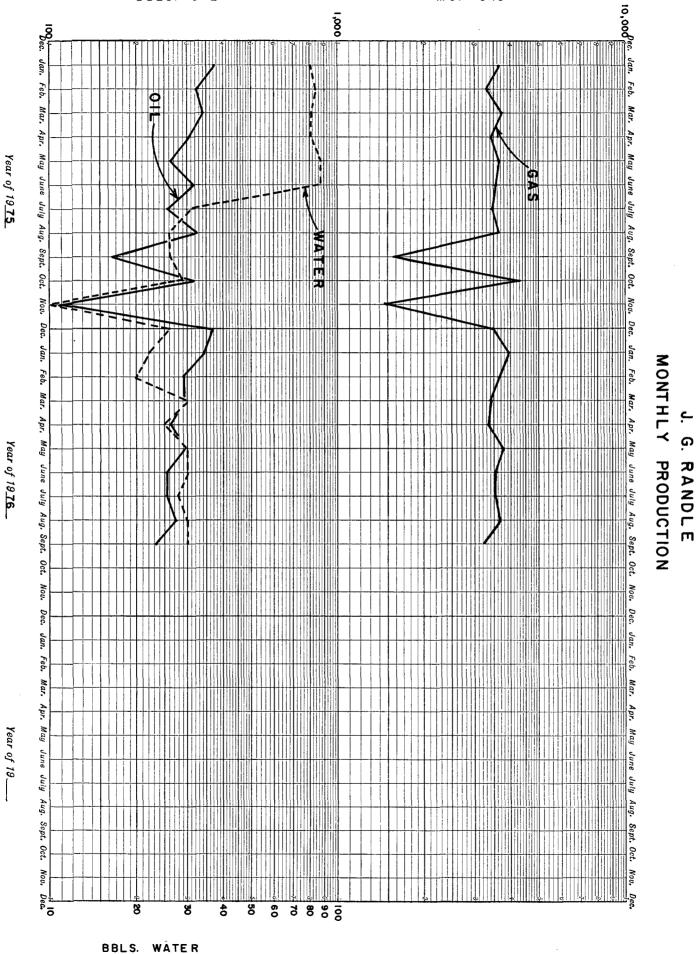
Gulf Oil Corporation Box 1150 Midland, Texas 79701

J. W. Peery Box 401 Midland, Texas 79701 Campbell and Hedrick Box 401 Midland, Texas 79701

Marathon Oil Company Box 2409 Hobbs, New Mexico 88240

Petro-Lewis Corporation Box 2250 Denver, Colorado 80201

Page 2



BBLS. OIL

NO. 3267. THREE YEARS BY MONIHS X 2 3-INCH LYLLES KAILU

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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116 Revised 1-1-65

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•	Rule		will	locat					Address	Operator
•	Rule 301 and appropriate pool rules.	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	Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° will be 0.60.	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.		J. G. RANDLE	LEASE NAME		P. O. BOX 1861, MJ	SUN OIL COMPANY
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(Date)

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C-116 Revised 1-1-65

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(Date)

OIL CONSERVATION COMMISSION Hobbs DISTRICT

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OIL CONSERVATION COMMISSION	
BOX 2088	
SANTA FE, NEW MEXICO	

DATE	Decembe	r 20,	1976
RE :	Proposed Proposed Proposed Proposed Proposed Proposed	DHC NSL SWD WFX	X
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Gentlemen:

I have examined the application dated_____

for	theSun Oil Co.	J. G. Randle	#] -E	20-21-37
	Operator	Lease	and Well No.	Unit, S-T-R

and my recommendations are as follows:

0.K.---J.S.

Yours very truly,

Junjette