



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
PHILLIPS BUILDING

NATURAL RESOURCES GROUP
Exploration and Production

January 13, 1976

Application for Exception to
Statewide Rule No. 303-C to
Down-Hole Commingle Production
from the Drinkard and Wantz
Granite Wash Pools, Sims Well No. 7,
Lea County

File: W4-Ta-11-76

New Mexico Oil Conservation Commission - 2
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. Joe D. Ramey,
Secretary-Director

Gentlemen:

We respectfully request administrative approval, subject to the twenty day waiting period, to down-hole commingle production from the Drinkard and Wantz Granite Wash Pools in our Sims Well No. 7, located in Unit C, 380 feet from north and 2310 feet from west lines, Section 24, Township 22 South, Range 37 East, Lea County, as provided by Statewide Rule No. 303-C. Pertinent well data follows:

1. Both zones are classified as oil zones and require artificial lift.
2. The combined total daily production from these zones before commingling does not exceed 50 BOPD as allowed for the deepest perforations in the lower zone.
3. The productive capacity of the Granite Wash zone has been established by segregated testing at 13 BOPD, 1 BHPD with a GOR of 1190/1. The combined producing capacity of both zones has been established as 18 BOPD, 24 BHPD and GOR of 8482/1. By the deduction method, the Drinkard zone production capability is established at 5 BOPD, 22 BHPD, GOR of 12546/1. The oil and/or water production is compatible one zone with another and there should be no undue formation of precipitates from combined production.

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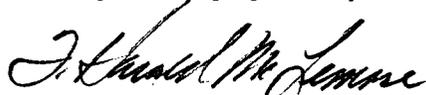
4. Crude gravities are: Drinkard-40.8°; Granite Wash-38.6°. These crudes are classified as intermediate sweet with a current price limitation of \$11.28 per barrel. There would be no difference in the price of the combined crude over that of the crudes produced and sold seperately. Royalty and working interest are common throughout and there is no overriding royalty interest.
5. Bottom hole pressures are estimated at 525# for the Drinkard and 650# for the Granite Wash.
6. Completion perforations (selective) are: Drinkard = 6415-7115 feet; Granite Wash = 7184-7421 feet. A schematic drawing of down-hole equipment and completion intervals is attached.
7. A production decline curve is attached for your information.

We propose allocation of the combined production be based on the cited zone capacity tests which are: Granite Wash-13 BOPD, 1 BWPD, GOR 1190/1; Drinkard-5 BOPD, 22 BWPD, GOR 12546/1.

Offset operators are hereby notified, with the request that their original waivers of objections be mailed directly to your attention, and a copy directed to this office. Mr. Gary Krieger will answer questions on this application if any arise.

Your consideration and advice will be appreciated.

Very truly yours,



T. Harold McLemore
PHILLIPS PETROLEUM COMPANY

THM:dm

cc: New Mexico Oil Conservation Commission
Box 1980
Hobbs, New Mexico

Offset Operators (List Attached)

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Attachment

OFFSET OPERATORS

John H. Hendricks, 403 Wall Towers West, Midland, Texas 79701

✓ Gulf Oil Corporation, Box 1150, Midland, Texas 79701

Texas Pacific Oil Company, Box 4067, Midland, Texas 79701

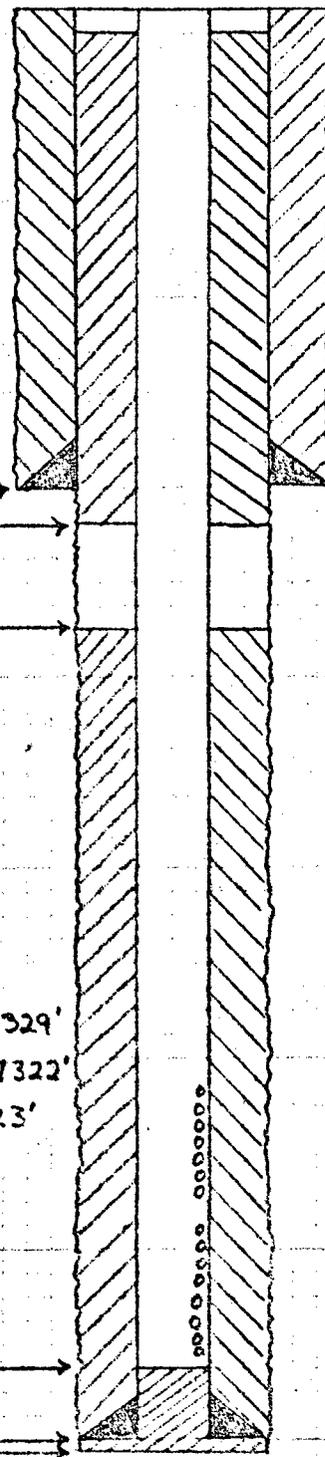
Skelly Oil Company, Box 1351, Midland, Texas 79701

Samedan Oil Corporation, 2207 Wilco Bldg., Midland, Texas 79701

Crown Central Petroleum Corporation, Suite 1002, Wilco Bldg., Midland,
Texas 79701

Marathon Oil Company, Box 552, Midland, Texas 79701

11" HOLE
 8 5/8" CASING
 400 SX CMT. CIRC.



← 100' *

1161' →
 * 1262' →
 7 7/8" HOLE
 * 2330' →
 5 1/2" CASING

1 1/2" PERFORATION AT
 6415; 6417; 6419; 6544; 6633; 6635;
 6637; 6758; 6760; 6762; 6771; 6881;
 6883; 6885; 6931; 7001; 7092; 7115;
 7184; 7214; 7222; 7230; 7244; 7268;
 7294; 7304; 7316; 7353; 7356;
 7370; 7376; 7382; 7391; 7400;
 7407; 7419; 7421.

TUBING ANCHOR @ 6329'
 2 3/8" TUBING SET @ 7322'
 SEATING NPL. @ 7323'

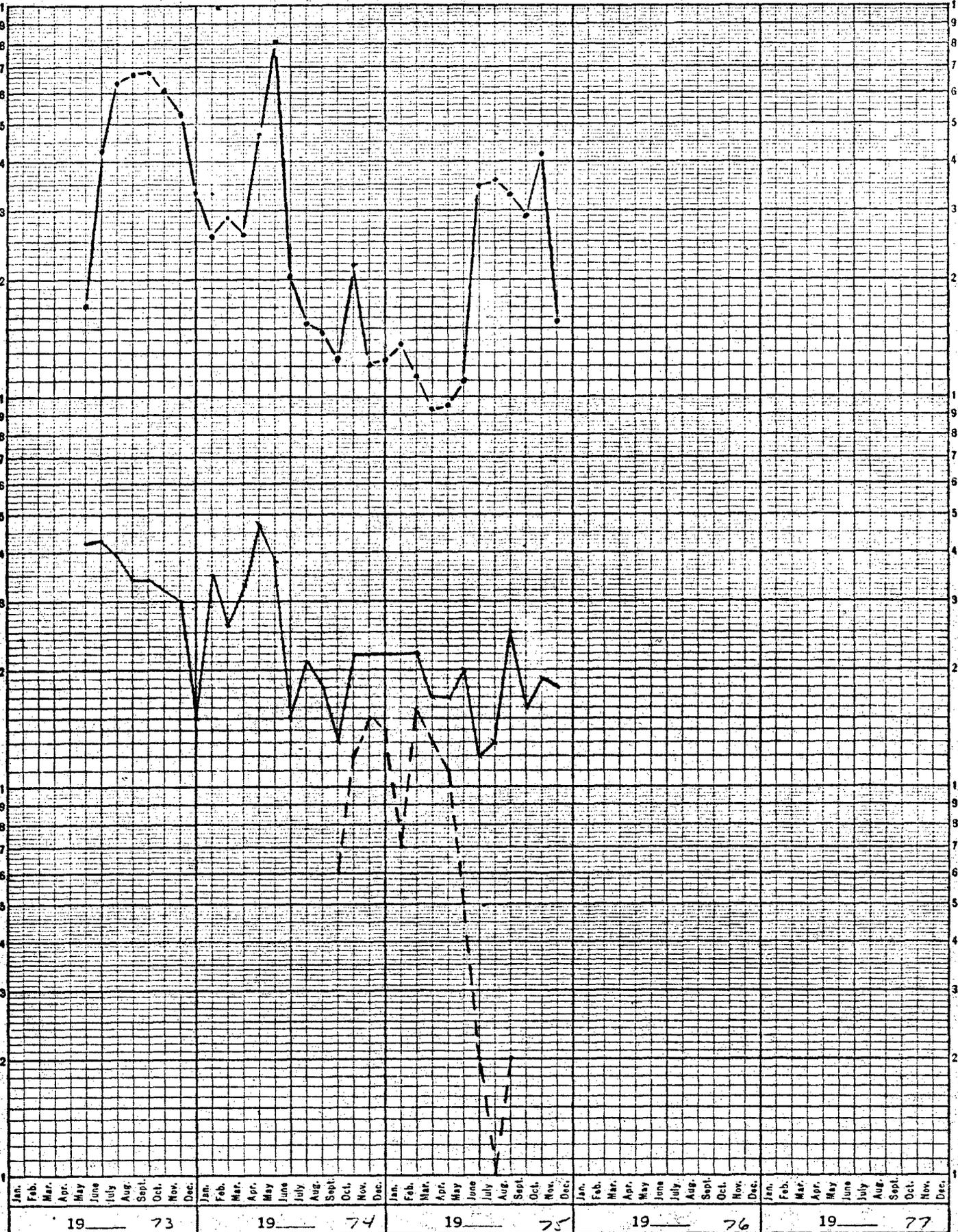
7437' →
 7478' →
 7479' →

* BY TEMPERATURE SURVEY

NO.	REVISION	BY	DATE	CHKD	APP'D
FOR BIDS	PHILLIPS PETROLEUM COMPANY			AFE NO.	FILE CODE
FOR APPR	BARTLESVILLE, OKLAHOMA			SCALE NONE	
FOR CONST	<p>SIMS NO. 7</p> <p>SEC. 24; TWP 22-S; R-37-E; LEA CO.; N.M.</p>			UNLESS OTHERWISE NOTED	
DESIGN				OWG NO.	
DRAWN G.S.H.				SH NO.	
CHECKED					
APP'D					

Phillips Petroleum Company Sims No. 7
 Unit C, 24, 225, 37E, Lea County

PRODUCTION DECLINE CURVE



K&E 3 YEARS BY MONTHS 46 6693
 X 3 LOG CYCLES MADE IN U.S.A.
 KEUFFEL & ESSER CO.

BOPD _____
 BWPD _____
 MCPD _____

DHC - 186
Due - 2/5/76



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
PHILLIPS BUILDING

NATURAL RESOURCES GROUP
Exploration and Production

RECEIVED
JAN 16 1976
OIL CONSERVATION COMM.
Santa Fe

January 14, 1976

Sims No. 7
Unit "C", Section 24,
T-22-S, R-37-E,
Lea County

File: W4-Ta-12-76

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

Attention: Mr. Joe D. Ramey
Secretary-Director

Gentlemen:

It has recently been called to our attention that some operators in the immediate area of the subject well are dually completing wells in the Drinkard and Wantz Granite Wash Pools in the respective intervals of approximately 6400-7100 feet and 7180-7425 feet with the correlative interpretations that these zones are separate.

At the time our subject well was completed in May of 1973, correlation of these zones as being separate was indeterminate, and we completed the well as a single completion in the Drinkard Pool. However, due to the dual status of some of the area completions, it may now be interpreted that the zone perforated between approximately 6415 and 7115 feet be classified as the Drinkard, and that perforated approximately 7184 and 7421 feet be classified as the Wantz Granite Wash. Therefore, we request authority to down-hole commingle the Drinkard and Wantz Granite Wash zones in the well bore of our Sims No. 7 as per the attached letter request with its support data attachments.

We trust this proposal will be acceptable to the Commission, and routine administrative action can be taken on our proposal to down-hole commingle.

Yours very truly,

T. Harold McLemore
PHILLIPS PETROLEUM COMPANY

THM:dm

cc: New Mexico Oil Conservation Commission
Box 1980
Hobbs, New Mexico

80% - 62,600 mcf ——— 12,546 ———
20% - 15,500 .. ——— 1,190 ———
78,100 mcf/day

Bottom Pf 7421 - Max prod: 50

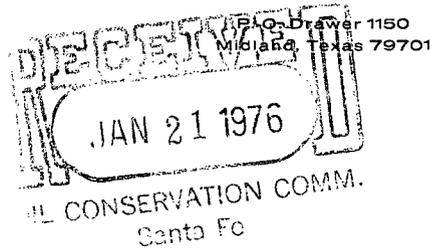
Dr - 5 BOPD = 28%
G+W - 13 " = 72%
18

Gulf Energy and Minerals Company - U. S.

PRODUCTION DEPARTMENT
MIDLAND DISTRICT

B. L. Choate
DISTRICT PRODUCTION MANAGER
R. F. Ward, Jr.
DISTRICT OPERATIONS MANAGER
C. E. Fields
DISTRICT SERVICES MANAGER
A. J. Evans, Jr.
DISTRICT ENVIRONMENTAL & SAFETY MANAGER
J. C. Howard
DISTRICT EMPLOYEE RELATIONS MANAGER

January 16, 1976



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

Attention: Mr. Joe D. Ramey

Re: Exception to Statewide Rule 303-C

Gentlemen:

This is to advise that Gulf Oil Corporation has been given due notice that Phillips Petroleum Company has made application to down-hole commingle production from the Drinkard and Wantz Granite Wash Pools in the well bore of their Well No. 7, Sims Lease, Lea County, New Mexico.

We hereby waive any objection to the granting of this application for the above well located:

380' FNL and 2310' FWL
of Section 24, T-22S, R-37E,
Lea County, New Mexico

Executed this 16th day of January, 1976.

Yours very truly,

Gulf Oil Corporation

By W. C. Palmer
W. C. Palmer
District Engineer

CVB/cab

