



## 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 BWPD with a GOR of 1190/1. The combined producing capacity of both zones has been established as 18 BOPD, 24 BWPD and GOR of 8482/1. By the deduction method, the Drinkard zone production capability is established at 5 BOPD, 22 BWPD, 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.

New Mexico Oil Conservation Commission  
W4-Ta-11-76  
January 13, 1976  
Page 2

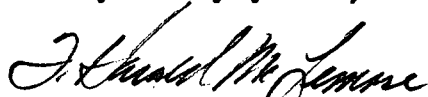
4. Crude gravities are: Drinkard-40.8°; Granite Wash-38.6°. These crudes are classified as intermediate sweet with a current price limitation of \$11.28 per barrel. There would be no difference in the price of the combined crude over that of the crudes produced and sold separately. Royalty and working 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 BWP, GOR 1190/1; Drinkard-5 BOPD, 22 BWP, 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)

New Mexico Oil Conservation Commission  
W4-Ta-11-76  
January 13, 1976  
Page 3

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

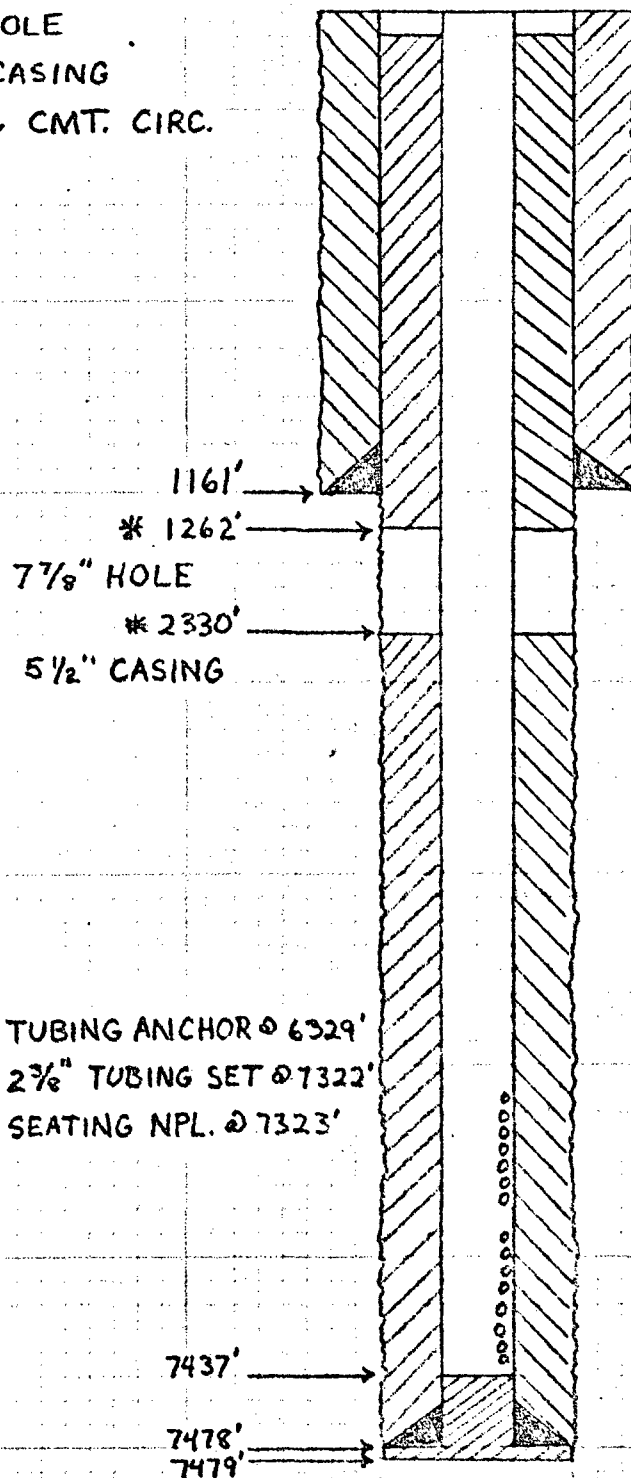
Skelly Oil Company, Box 1351, Midland, Texas 79701

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'

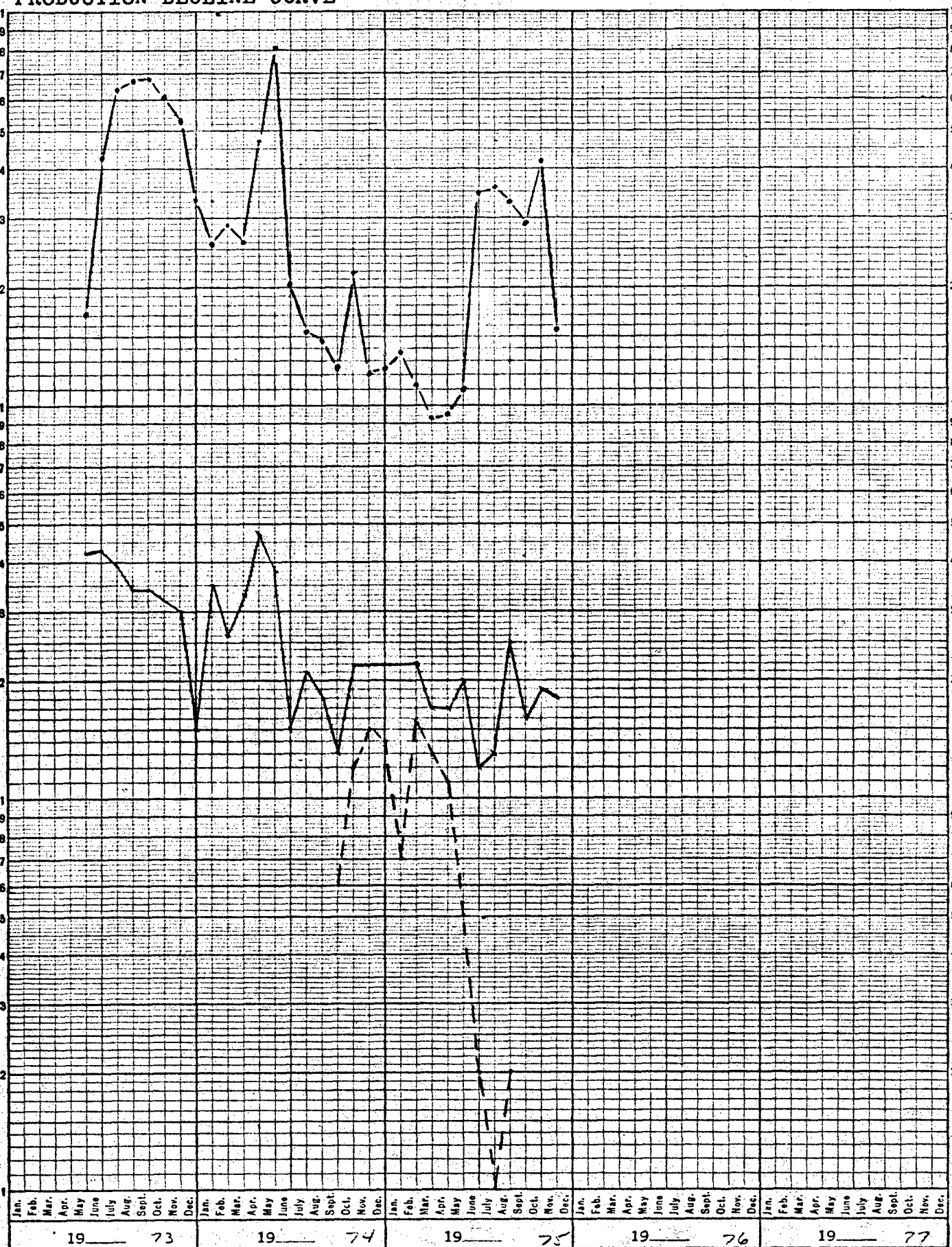
7437'  
7478'  
7479'

\* BY TEMPERATURE SURVEY

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

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

PRODUCTION DECLINE CURVE



BOPD \_\_\_\_\_  
BWPD \_\_\_\_\_  
MCED \_\_\_\_\_

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

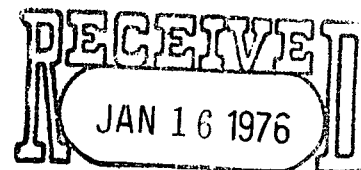


**PHILLIPS PETROLEUM COMPANY**

ODESSA, TEXAS 79761  
PHILLIPS BUILDING

NATURAL RESOURCES GROUP  
Exploration and Production

DHC - 186  
Due - 2/5/76



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

20% - 15,500 mcf

78,100 mcf/day

12,546

1,190

Bottom Pf 7421 - Max prod: 50

Dr - 5 BOPD = 28%

GrW - 13 " = 72%

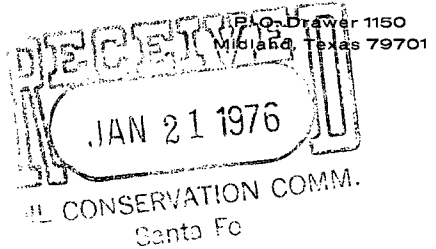
18

# 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

