



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
PHILLIPS BUILDING

NATURAL RESOURCES GROUP
Exploration and Production

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



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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.

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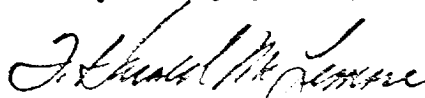
4. Crude gravities are: Drinkard-40.8°; Granite Wash-38.6°. These crudes are classified as intermediate sweet with a current price limitation of \$11.28 per barrel. There would be no difference in the price of the combined crude over that of the crudes produced and sold separately. Royalty and working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

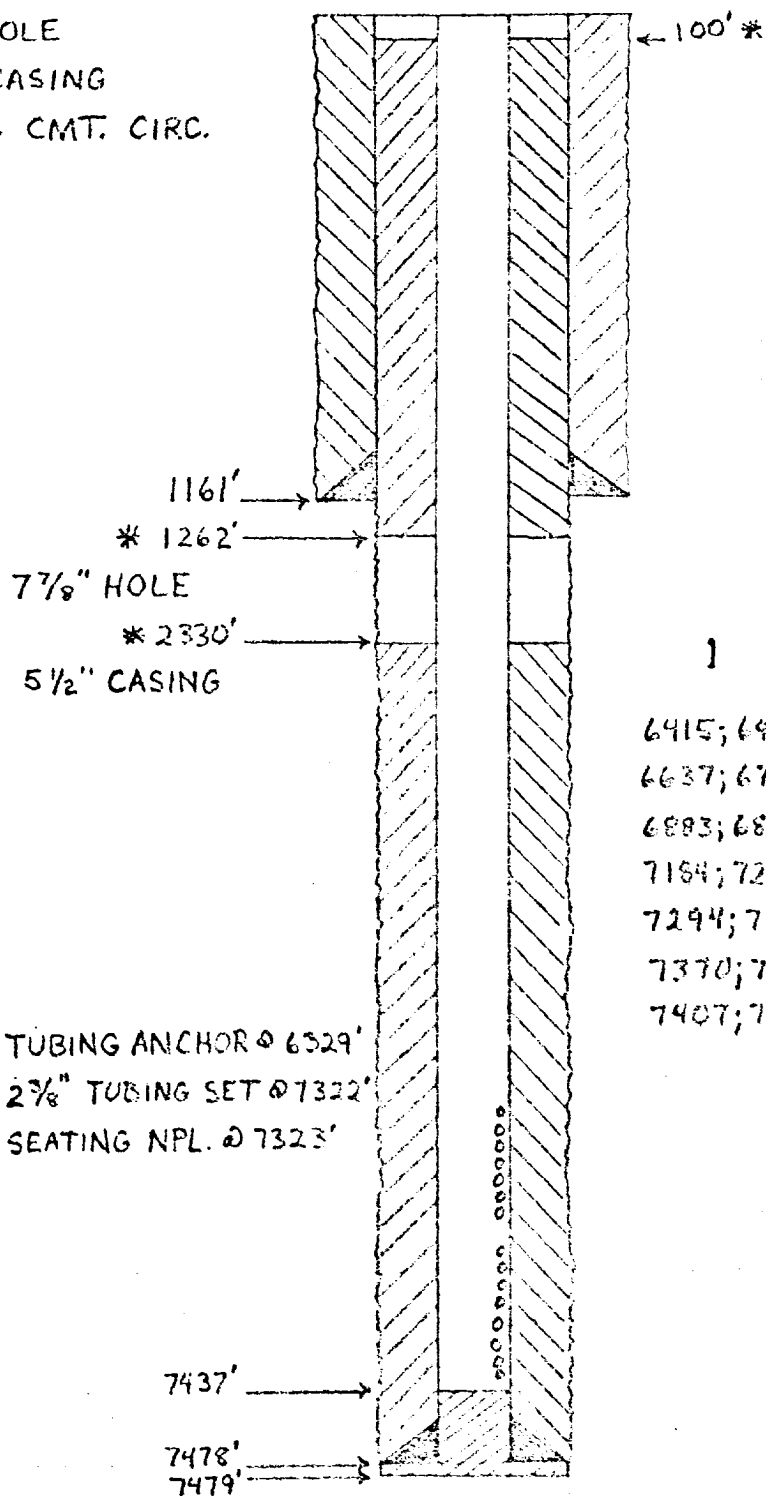
Skelly Oil Company, Box 1351, Midland, Texas 79701

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 $\frac{5}{8}$ " CASING
400 SX. CMT. CIRC.





1 $\frac{1}{2}$ " 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 $\frac{3}{8}$ " TUBING SET @ 7322'
SEATING NPL. @ 7323'

* BY TEMPERATURE SURVEY

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

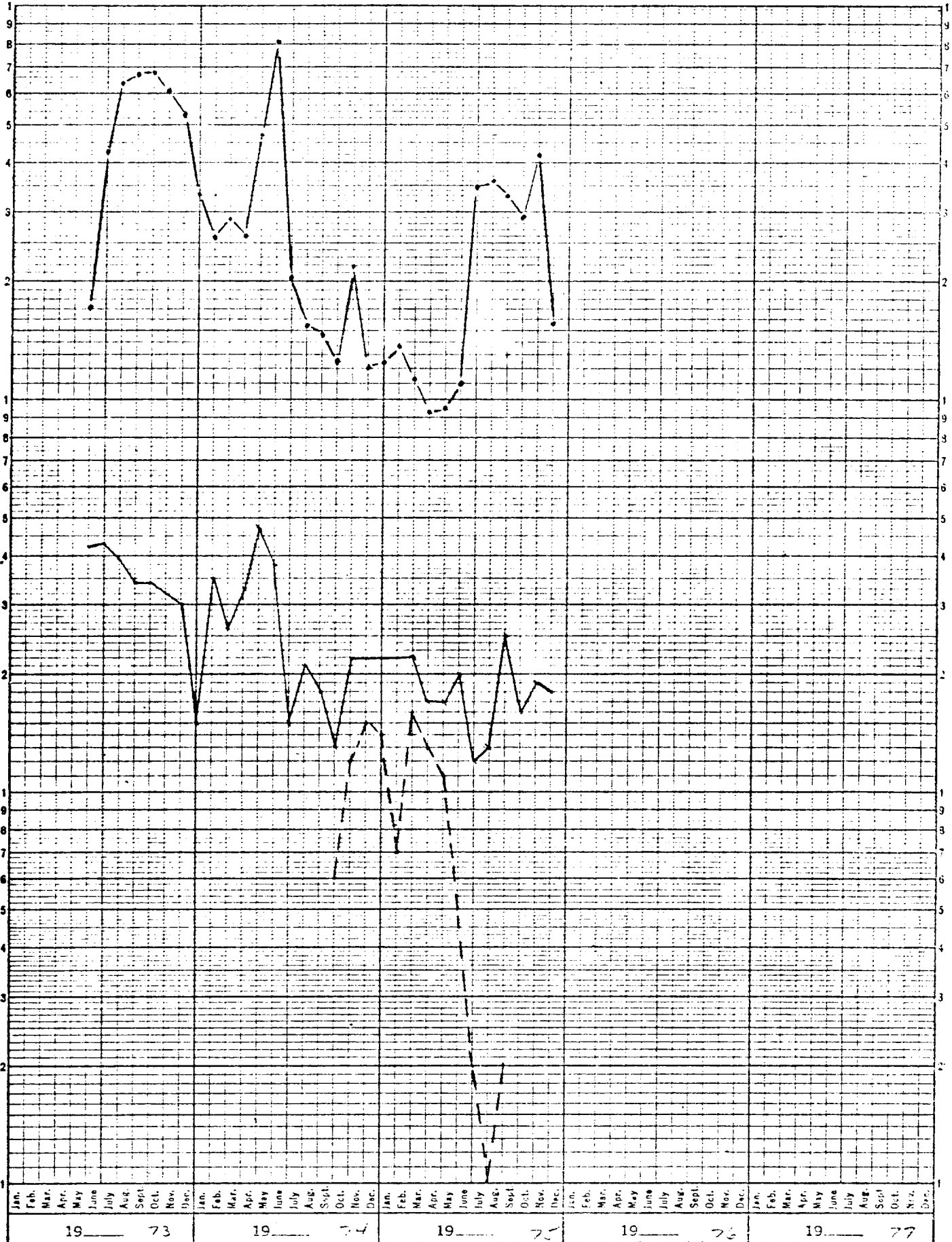
Phillips Petroleum Company Sims No. 7
Unit C, 24, 225, 37 Lea County

PRODUCTION DECLINE CURVE

1000

100

K-E 5 YEARS BY MONTHS 46 6693
X 3 LOG CYCLES
KREUPPEL & ESSER CO.



BOPD _____
BWPD _____