



SOUTHWESTERN DISTRICT

SUN PRODUCTION COMPANY

901 W. WALL, POST OFFICE BOX 1861, MIDLAND, TEXAS 79702 (915) 685-0300

July 17, 1981

Mr. Joe D. Ramsey
Energy and Minerals Dept.
Oil Conservation Division
P. O. Box 2088
Santa Fe, N.M. 87501

RE: Application of Sun Production Company for
approval of downhole commingling of production
in the Walter Lynch Well No. 1 (Unit K, Sec 1,
T-22-S, R-37-E), Drinkard and Wantz Granite
Wash Pools.

Dear Mr. Ramsey:

Sun Production requests your administrative approval for an exception to Rule 303-A to permit down hole commingling of production in the subject well from the Drinkard and Wantz Granite Wash Pools.

Currently this is a dual completed well flowing from both the Drinkard and Wantz Granite Wash formations. Both zones are classified as oil zones. Ownership of the two zones is common. The total daily oil production from both zones before commingling does not exceed 50 barrels per day, and neither zone produces more water than the combined oil limit. Please note that our Walter Lynch No. 2L (Unit L, Sec 1, T-22-S, R-37-E) is already commingled in the Drinkard and Wantz Granite Wash as per Administrative Order DHC-272.

The additional information concerning this application as outlined in Rule 303-C is attached for your consideration.

Yours truly,

A handwritten signature in cursive script, reading "David G. Mendoza".
David G. Mendoza

DGM/nc
cc: F. Brandes
J. McLean
D. A. Kemp
A. Omar
Well File

A DIVISION OF SUN OIL COMPANY (DELAWARE)

7/22/81

RULE 303-C-2 Information

- A. OPERATOR:
Sun Production Company
P. O. Box 1861
Midland, Texas 79702
- B. LEASE:
Walter Lynch Well No. 1
Unit K, Sec 1, T-22-S, R-37-E
Lea County, New Mexico
- C. Well is completed in the Drinkard and Wantz Granite Wash as a dual completion as per Order No. R-4993.
- D. The C-116 for both zones is attached.
- E. Production decline curves for both the Drinkard and Wantz Granite Wash Zones are attached.
- F. BOTTOM HOLE PRESSURE DATA:*
No recent BHP's are available
Drinkard, SIP 650
Wantz Granite Wash, SIP 500
- G. FLUID CHARACTERISTICS:
There is no evidence of incompatibility in fluids. Sun's Walter Lynch #1L is already commingled in the Drinkard and Wantz Granite Wash Pools.
- H. VALUE OF COMMINGLED FLUIDS:
Because Drinkard and Granite Wash production is already surface commingled as per Administrative Order PC-481, the value of both crudes will not be affected by downhole commingling in Well #1.
- I. ALL OFFSET OPERATORS HAVE BEEN NOTIFIED BY A COPY OF THIS APPLICATION:
- | | | | |
|----------------------|----------------|-------------|-------|
| Marathon Oil Co. | P. O. Box 2409 | Midland, TX | 79702 |
| Exxon Corp. | P. O. Box 1600 | Midland, TX | 79702 |
| Gulf Oil Co. | P. O. Box 670 | Hobbs, NM | 88240 |
| Arco Oil and Gas Co. | P. O. Box 1710 | Hobbs, NM | 88240 |
| Getty Oil Co. | P. O. Box 730 | Hobbs, NM | 88240 |
| Sohio Oil Co. | P. O. Box 3000 | Midland, TX | 79702 |

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County													
Sun Oil Company		Wantz Granite Wash Pool		Lea													
Address		TYPE OF TEST - (X)		Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>													
P.O. Box 1861, Midland, TX 79702		Scheduled <input type="checkbox"/>															
LEASE NAME	WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU. FT./BBL.			
		U	S	T							R	WATER BBLs.	GRAV. OIL BBLs.		OIL BBLs.	GAS M.C.F.	
Walter Lynch	1	K	1	22	37		6-12-81	F	24	25	39	24	0	37.7	20	98	4900

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.
Mail 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.

Don Kemp
(Signature)

Accounting Assistant I

(Title)

July 15, 1981

(Date)

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator		Pool		County											
Sun Oil Company		Drinkard		Lea											
Address P.O. Box 1861, Midland, TX 79702				TYPE OF TEST - (X) <input checked="" type="checkbox"/> TEST - (X)											
LEASE NAME				Completion <input type="checkbox"/> Special <input checked="" type="checkbox"/>											
WELL NO.	LOCATION			DATE OF TEST	STATUS	CHOKE SIZE	TBG. PRESS.	DAILY ALLOW-ABLE	LENGTH OF TEST HOURS	PROD. DURING TEST			GAS - OIL RATIO CU.FT/BBL.		
	U	S	T							R	WATER BBLs.	GRAV. OIL BBLs.		GAS M.C.F.	
1	K	1	22	37	6-12-81	F	32	30	7	24	0	37.7	9	101	11222

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.
Mail 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.

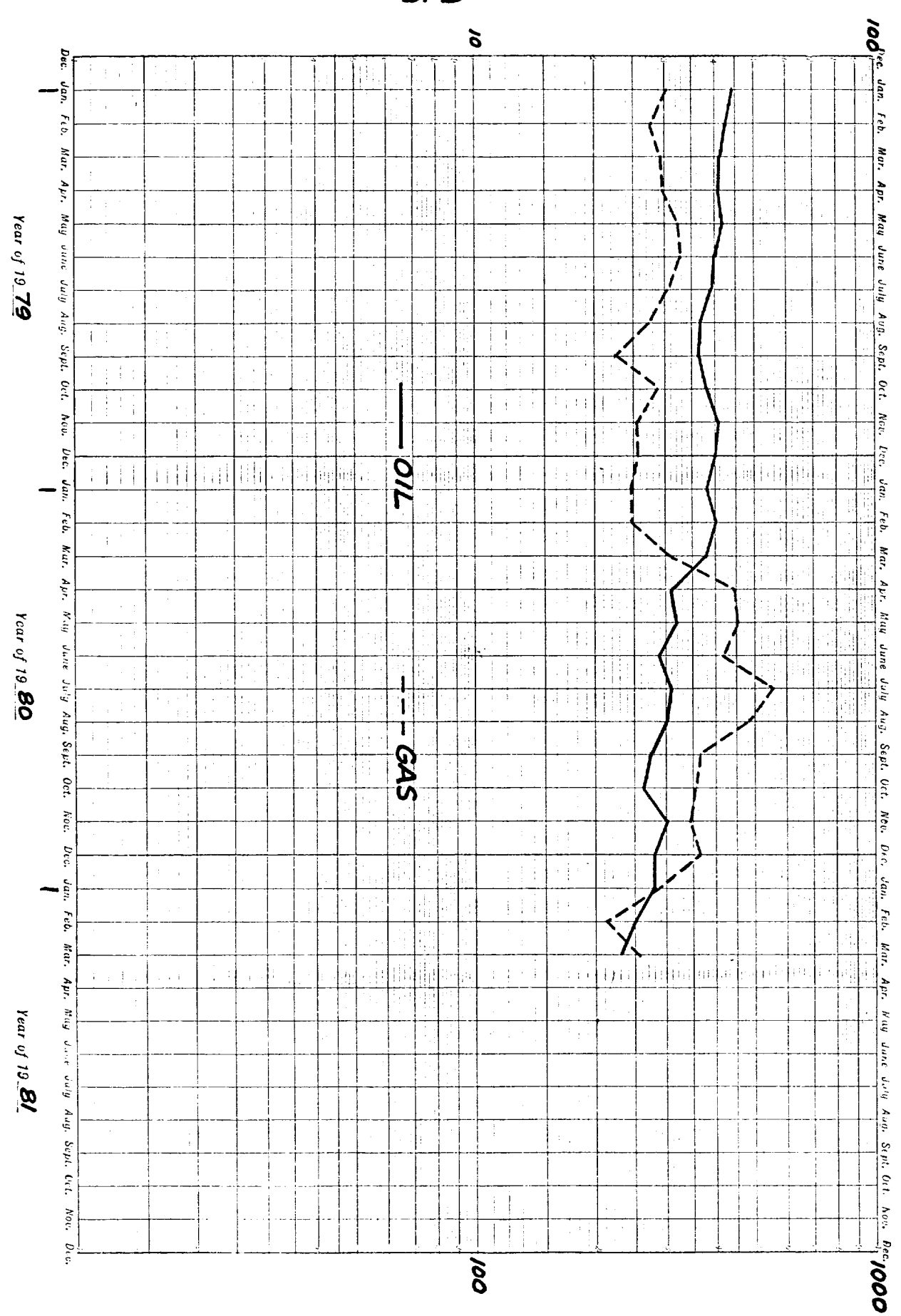
I hereby certify that the above information is true and complete to the best of my knowledge and belief.

DeAnn Kemp
(Signature)

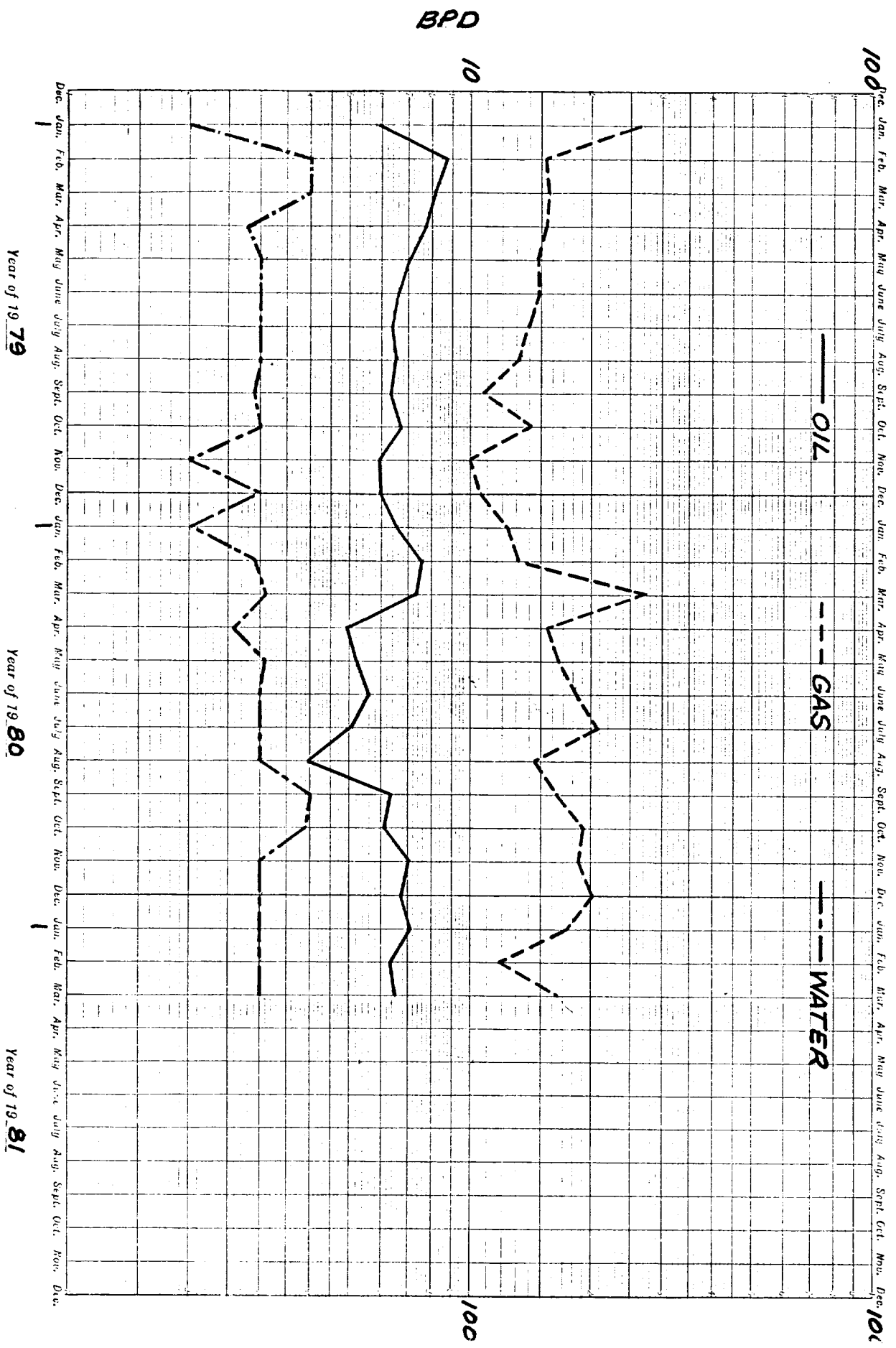
Accounting Assistant I

July 15, 1981
(Date)

W. LYNCH #1 GRANITE WASH. PRODUCTION



W. LYNCH #1 DRINKARD PRODUCTION



WELL

12/28/76

DATE _____

☐ ORIGINAL COMP.

WELL CLASS

DATA ON THIS COMPLETION

13 $\frac{3}{4}$ " , 40# C.S 338' , limit
w/350 lbs

9 5/8", 36", H-40 C.S. 2871'

Ent'd w/2500 sha

T.O.C. 3700' by TS.

OTIS RDH-23 p/n © 4982

T.O.L. 5116'

T.W. Type 'L' chr T "J" hanger
Rev 25 shs off top of liner.

UT: 0-4927' 2 $\frac{1}{16}$ " OD. thg,
SN, J-Lth, RDH phs,
Telescoping gl, N-nippl,
4998-6803' 1" Kals thg,
Langer shak.

DRINKARD PERFS: 6840, 75,
81, 6900, 00, 35, 37, 51 + 56
(9 holes)

Otis Puma - Int. ph. C-7143'

^o WHITE WASH PERFS

Paddock perf 5070-90, 5123-35, 5141-56 + 5185-5215'
sized w/200 shs to 3000 #.
7", 23", J-55 C.S. 5254'.
tmd w/350 shs in 3 $\frac{3}{4}$ " hole

LT. 0-4984. $2\frac{3}{8}$ " ~~thick~~
RDH pkr, 4992-6807'
 $2\frac{3}{8}$ " 10 Rd N4, longer slice,
6807-7132 $2\frac{3}{8}$ " 10 Rd N4,
SN, OS SD, Permian-Intal
pkr w/ 'N' nipsals.

F.C. 7480'