



SUN OIL COMPANY

~~XXXXXXXXXXXXXXXXXXXX~~ MIDLAND, TEXAS 79701

P. O. Box 1861

April 28, 1970



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

Re: Application to Commingle
Eva Owens Lease Drinkard and
Blinebry-Tubbs Pools,
Lea County, New Mexico

Dear Sir:

Sun Oil Company hereby requests permission to commingle the Drinkard oil production with the condensate production from the Blinebry and Tubbs gas pools on the Eva Owens Lease located in Units "C" and "D" of Section 3, T-22-S, R-37-E, Lea County, New Mexico.

In compliance with Rule 303, the following data is submitted for your approval:

- 1) Plat of subject lease.
- 2) Schematic drawing of present facility and proposed facility.
- 3) Daily production from each pool (60 days).
- 4) Drinkard oil gravity; Blinebry-Tubbs condensate gravity.
- 5) Commingled gravity.
- 6) Value of commingled oil as compared with individual pool production.

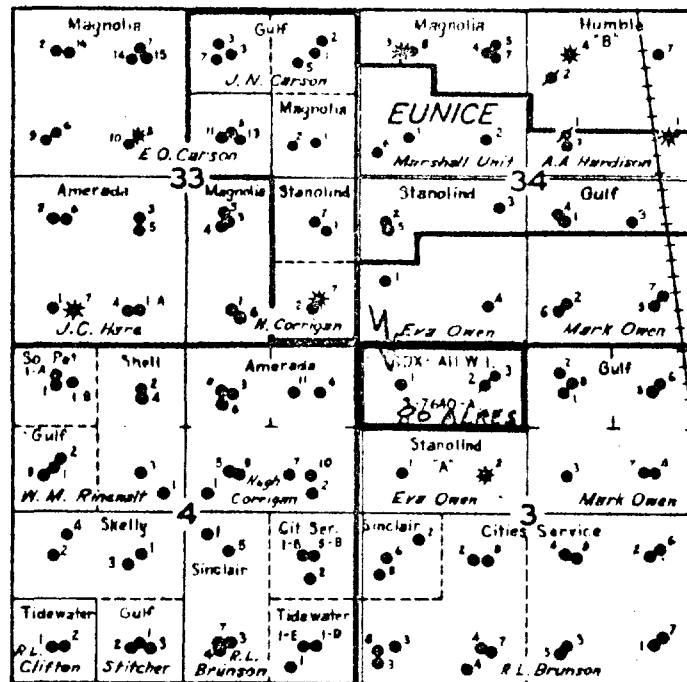
Yours truly,

SUN OIL COMPANY

J. B. Hille

JBH:lh
Attachments

R - 37 - E



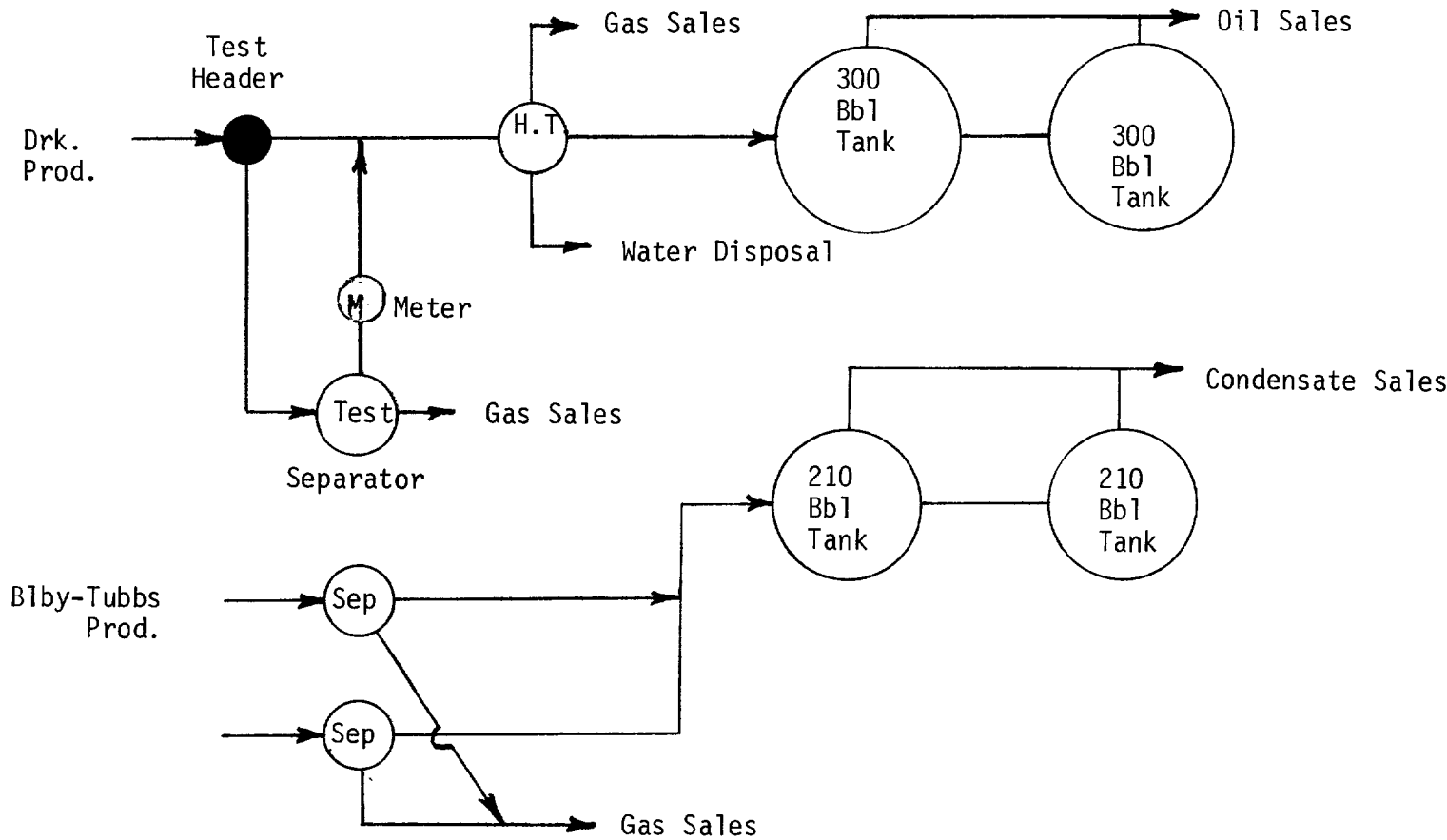
T
S
-
22
T
S

E. OWEN LEASE

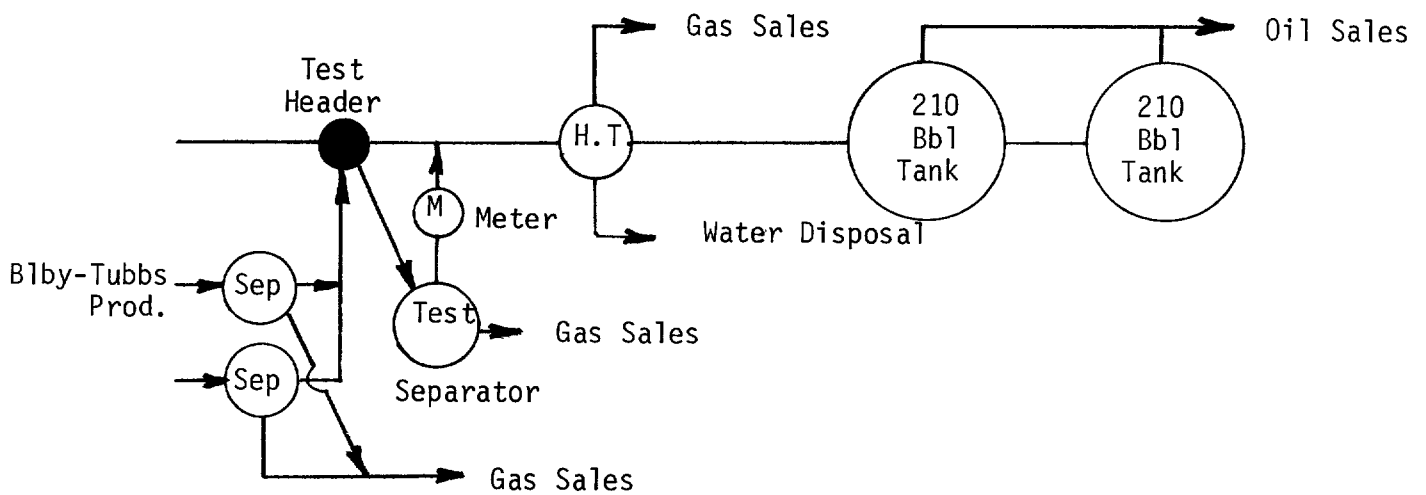
Well	Dual Zones
#1	Drinkard & Tubbs (Gas)
#2	Drinkard & Blinebry (Gas)

PRODUCING FORMATION		SUN	OIL COMPANY	PRODUCING LEASES
NAME	AVERAGE DEPTH	FIELD: DRINKARD, BLINEBRY & TUBB		OWEN, E.
		DISTRICT: NEW TEX. GROUP: EUNICE		
		COUNTY: LEA STATE: NEW MEX.		
		SCALE		
		3000 1500 0 1500 3000 6000		
		FEET		

E. OWENS LEASE
Schematic of Present Installation



Schematic of Proposed Installation



Note:

No well on the lease is capable of top allowable production, therefore, we propose to allocate production on basis of periodic well tests.

PRODUCTION TABULATION

	<u>Drinkard BOPD</u>	<u>Blinebry-Tubbs BCPD</u>
February 1	18	1
2	15	0
3	15	0
4	Well shut-in for packer leakage test	
5	1	2
6	Well shut-in for packer leakage test	
7	14	8
8	20	0
9	16	0
10	18	1
11	18	0
12	17	0
13	18	1
14	17	1
15	18	0
16	19	0
17	16	1
18	18	0
19	19	1
20	21	0
21	19	1
22	19	1
23	19	0
24	20	1
25	21	0
26	19	0
27	18	0
28	19	1

12 B/D

4 B/D

and 4 B/D

per month

PRODUCTION TABULATION (Continued)

		<u>Drinkard BOPD</u>	<u>Blinebry-Tubbs BCPD</u>
March	1	13	0
	2	15	0
	3	11	1
	4	10	0
	5	11	0
	6	10	0
	7	11	0
	8	11	1
	9	9	1
	10	10	0
	11	11	1
	12	10	0
	13	8	0
	14	11	1
	15	13	0
	16	9	0
	17	12	0
	18	14	1
	19	13	0
	20	12	0
	21	12	0
	22	13	0
	23	10	1
	24	10	0
	25	14	0
	26	13	0
	27	10	0
	28	13	1
	29	12	0
	30	13	0
	31	12	0
April	1	10	1

DRINKARD PRODUCTION

12 BOPD @ 36.2° API

BLINEBRY-TUBBS CONDENSATE

0.5 Barrels Condensate/Day @ 46.5° API

$$\begin{aligned}\text{COMMINGLED GRAVITY} &= \frac{(\text{Drk. Prod.})}{(\text{Total Prod.})} (\text{°API}) + \frac{(\text{Cond.})}{(\text{Total Prod})} (\text{°API}) \\ &= \frac{(12)}{(12.5)} (36.2) + \frac{(0.5)}{(12.5)} (46.5) \\ &= 34.8 + 1.9 \\ \text{COMMINGLED GRAVITY} &= 36.7 \text{ °API}\end{aligned}$$

COMMERCIAL VALUE OF OIL PRIOR TO AND AFTER COMMINGLING

$$\frac{\text{DRINKARD}}{\text{Day}} \times \frac{12 \text{ Bbl}}{\text{Day}} \times \frac{30 \text{ Day}}{\text{Mo.}} \times \frac{\$3.23}{\text{Bbl.}} = \$1,162.80 \text{ per month @ } 36.2^\circ \text{ API}$$
$$\frac{\text{BLINEBRY-TUBBS}}{\text{Day}} \times \frac{0.5 \text{ Bbl}}{\text{Day}} \times \frac{30 \text{ Day}}{\text{Mo.}} \times \frac{\$3.31}{\text{Bbl}} = \$ 49.65 \text{ per month @ } 46.5^\circ \text{ API}$$

TOTAL INCOME	<u>\$1,212.45</u>
--------------	-------------------

COMMINGLED PRODUCTION @ 36.7°

$$\text{TOTAL INCOME} \quad \frac{12.5 \text{ Bbl.}}{\text{Day}} \quad \times \quad \frac{30 \text{ Day}}{\text{Mo.}} \quad \times \quad \frac{\$3.23}{\text{Bbl.}} = \underline{\underline{\$1,211.25}}$$