



MIDLAND PRODUCTION DISTRICT

SUN PRODUCTION COMPANY 901 W. WALL, POST OFFICE BOX 1861, MIDLAND TEXAS 79702 (915) 682-8271

May 30, 1978

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

Attention: Mr. Joe Ramey, Secretary-Director

Dear Sir:

Sun Oil Company respectfully requests administrative approval to commingle production from its U. D. Sawyer #5 (Crossroads Pennsylvanian) with production from the U. D. Sawyer Lease (Crossroads Siluro-Devonian). In support of this request, we are submitting the following information as outlined by Rule 309-B of the Oil Conservation Commission, Rules and Regulations.

1. The U. D. Sawyer Lease has four active producing wells and three TA'd producers from the Crossroads Siluro-Devonian Field while the U. D. Sawyer #5 has one producing well from the Crossroads Pennsylvanian Field. The U. D. Sawyer Devonian lease produces approximately 630 BOPD with an allowable of 716 BOPD. The U. D. Sawyer Penn. well produced top allowable for the Pennsylvanian which is 275 BOPD. The value of the produced crude will not change due to commingling. Gravity of the Devonian hydrocarbon liquid is 44° API, while that of the Pennsylvanian is 43° API.
2. The present tank battery on the U. D. Sawyer Devonian lease consists of three heater-treaters, one water knock-out, two 1500 barrel stock tanks, two 500 barrel test tanks, and one 1500 barrel water tank. The proposed battery, to handle commingled production, would require the addition of one heater-treater with a dump meter for production from the U. D. Sawyer #5. This would allow direct metering of the production from the Penn. well. U. D. Sawyer lease production would then be total production in the stock tanks minus U. D. Sawyer #5 production.

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Per well production on the U. D. Sawyer would be allocated on the basis of well tests as is current practice. A schematic diagram of the proposed battery is attached.

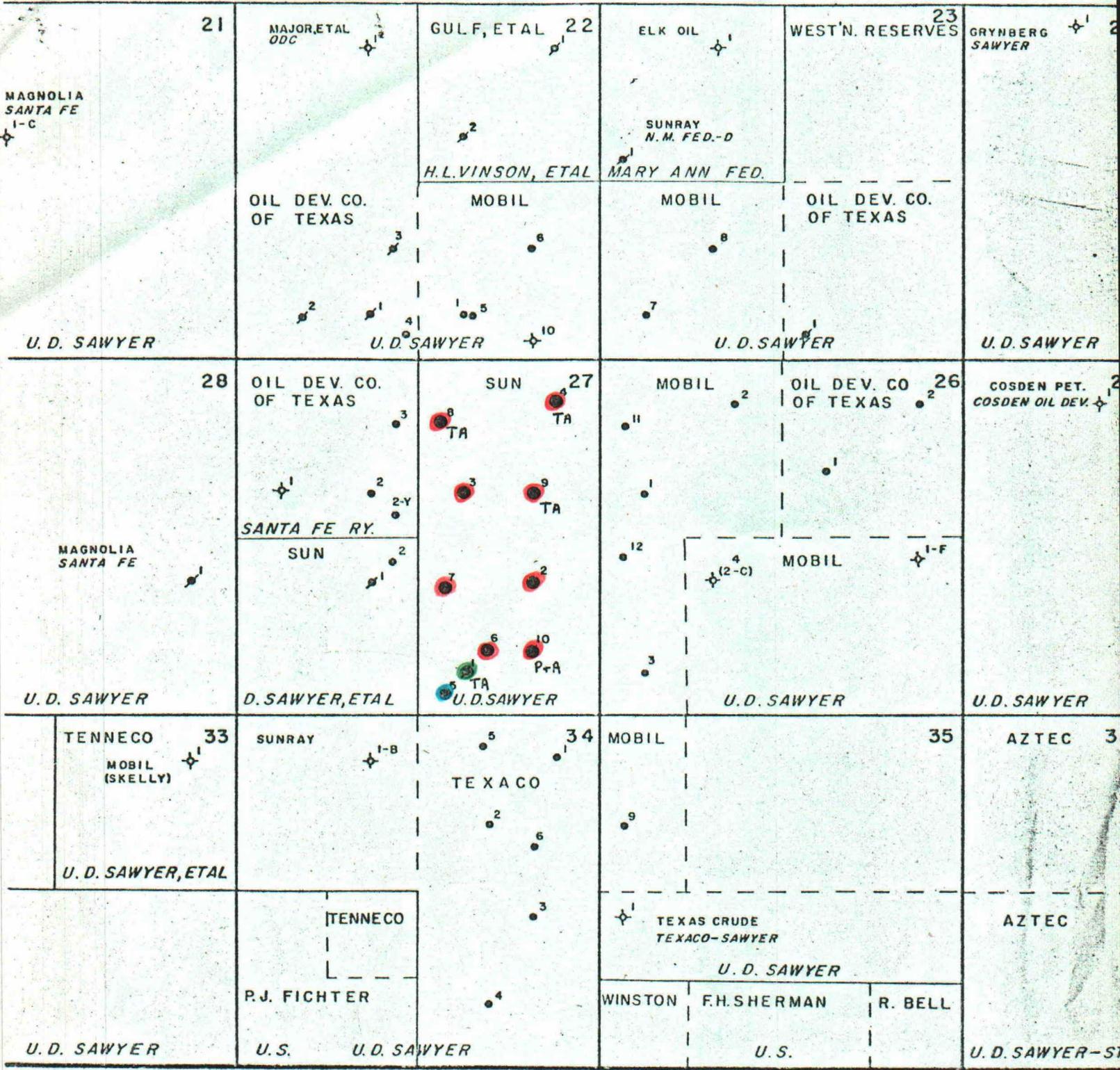
If any additional information is needed, please contact me at Sun's Midland Office. Your consideration in this matter is appreciated.

Sincerely yours,

SUN OIL COMPANY

JMM/bts

Joseph M. Martin
Prod. Engineer



- DEVONIAN
- PENNSYLVANIAN
- SAN ANDRES

SUN OIL COMPANY
 CROSSROADS FIELD
 LEA CO., NEW MEXICO

U. D. SAWYER BATTERY
 Proposed Penn Commingled Storage

③ - Dump Meter

