



Central Division-Permian Basin District
7200 I-40 West
Amarillo, Texas 79106
806/359-2000
TWX 910-898-4111

July 12, 1982

JUL 15 1982

Secretary-Director
New Mexico Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

*Comment
PC-552 to
include
undesignated Abo*

Re: Request for Additional
Surface Commingling
Authority
Carlson B-25 Lease
Covering the S/2 SE/4
Section 25-25S-37E
Lea County, New Mexico

Gentlemen:

The tank battery serving the subject lease presently has authority to surface commingle production from the Justis Blinebry, Justis Tubb-Drinkard, and Justis Fusselman Pools by Commingling Order PC-552.

Due to a recent recompletion of one of the wells within this lease to an undesignated Abo pool, we request administrative approval to extend the surface commingling authority to include this undesignated Abo pool. To this end, the following information is submitted for your consideration:

1. Enclosed plat which shows the locations of all wells and producing pools on the subject lease. The undesignated Abo pool is presently shut-in, pending commingling approvals by your office.
2. Schematic diagram of present commingled facility with proposed modifications shown as dotted lines. The only modifications proposed to existing facility is the addition of an indirect heater separator for the Abo zone, and a separate gas line and meter for the Abo zone. Allocation of liquid production is proposed to be on the basis of periodic individual well tests.
3. Statement from the U.S.G.S. (now Minerals Management Service) consenting to this proposed commingling.
4. Comment statement on oil gravities, values and volumes as follows:

Interests in all pools is common within the subject lease. The proposed commingling involves surface mixing of the following oils to yield the following estimated results.



| <u>Zone</u> | <u>Justis Blinebry Tubb-Drinkard, Fusselman</u> | <u>Undesignated Abo</u> | <u>Combined</u> |
|---------------|---|-------------------------|-----------------|
| Volume | 54.06 BOPD | 5 BOPD | 59.06 BOPD |
| Gravity | 36.2 | 35.7 | 36.15 |
| Price | \$31.930/BO | \$31.850/BO | \$31.9225/BO |
| Value (Gross) | \$1726.14/day | \$159.25/day | \$1885.34 |

The above estimates are made using current production, prices and gravities where applicable, and adjusting crude oil prices by the current posted adjustment of \$0.015 per 1/10° gravity change. A linear gravity change is assumed.

The sum of the individual values is \$1726.14 plus \$159.25 or \$1885.39 per day. The estimated combined value is \$1885.34 per day, thus the combined value, allowing for rounding, is identical to the sum of the individual values.

If further information is required to process this application, please advise.

Sincerely,



Anthony J. Welker
Production Engineer

AJW/lcs
enclosures



United States Department of the Interior

MINERALS MANAGEMENT SERVICE

ROSWELL DISTRICT OFFICE
POST OFFICE DRAWER 1857
ROSWELL, NEW MEXICO 88201

JUL 15 1982
July 1, 1982

Santa Fe Energy Company
7200 I-40 West
Amarillo, Texas 79106

Attention Anthony J. Welker

Gentlemen:

Your letter application of June 14, 1982, requests approval to commingle Abo oil produced from well No. 3 Federal B-25 with commingled Blinebry, Tubb-Drinkard and Fusselman from the same lease, which was approved by our letter of July 8, 1977.

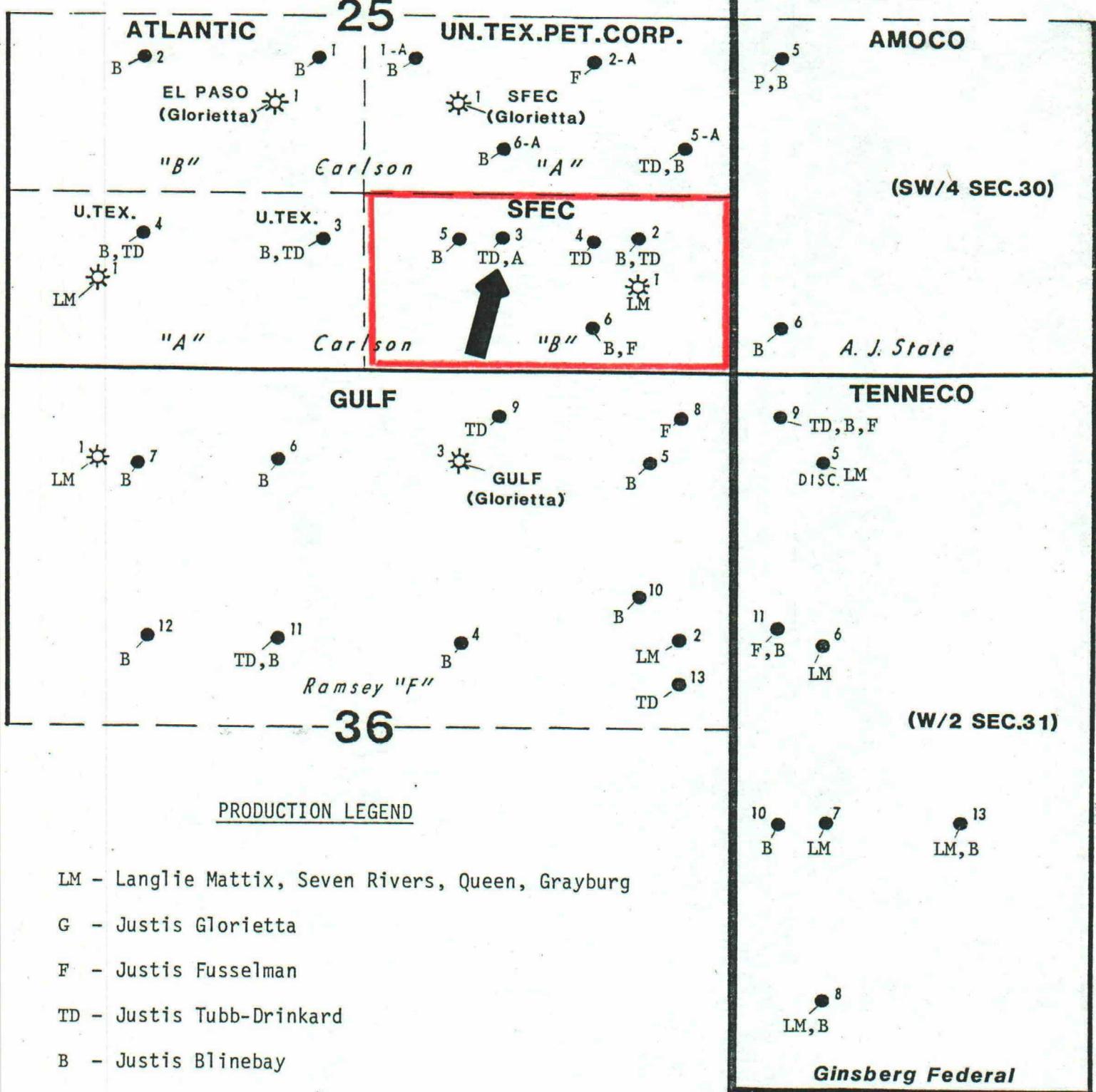
Commingling of Abo production from the subject well with Blinebry, Tubb-Drinkard and Fusselman production is hereby approved subject to like approval by the New Mexico Oil Conservation Division. Production is to be allocated to the well on the basis of individual well test.

Sincerely yours,

James A. Gillham
7a James A. Gillham
District Supervisor

Enclosure

R 37 E ↔ R 38 E



PRODUCTION LEGEND

- LM - Langlie Mattix, Seven Rivers, Queen, Grayburg
- G - Justis Glorietta
- F - Justis Fusselman
- TD - Justis Tubb-Drinkard
- B - Justis Blinebay
- P - Justis Paddock
- A - Undesignated Abo

Note: Plugged Wells Not Shown
 Plat Shows S/2 Section 25-25S-37E
 N/2 Section 36-25S-37E
 SW/4 Section 30-25S-38E
 W/2 Section 31-25S-38E

SANTA FE ENERGY COMPANY
 PERMIAN BASIN DISTRICT
 AMARILLO, TEXAS

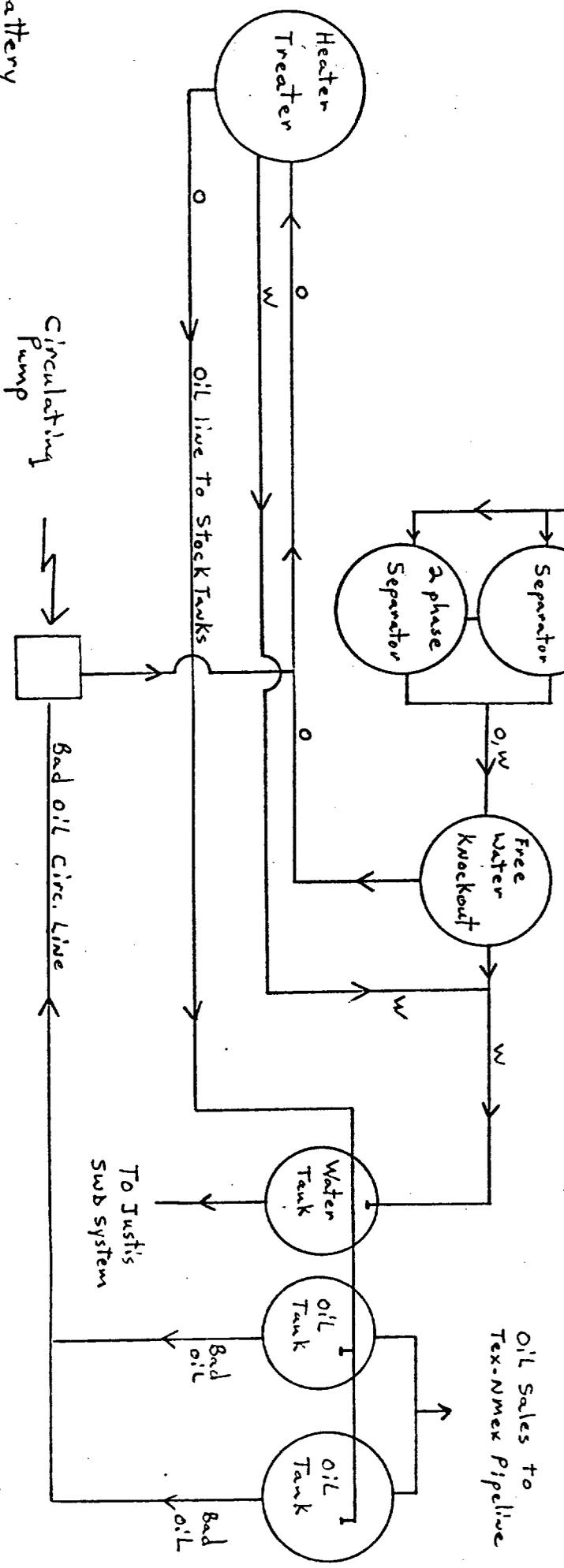
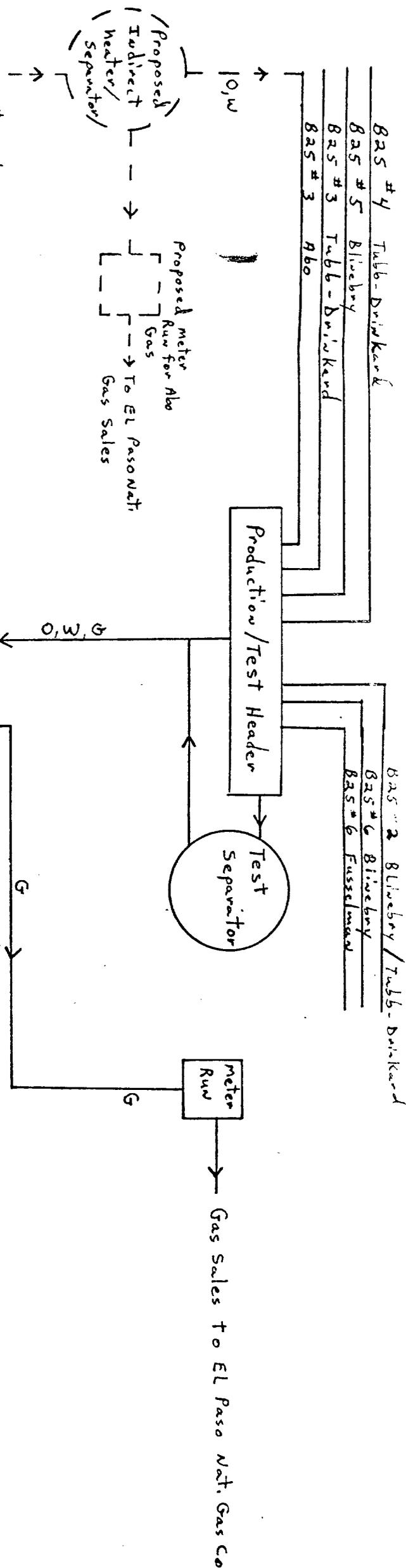
LANGLIE-MATTIX AREA
 Lea Co., New Mexico

OFFSET LEASES TO CARLSON B-25 NO. 3
 AND COMPLETION POOLS 1-1-82

Scale: 1" = 1000'
Date: 5-82

T
25
S

From B2S #3 Abo well



CARLSON B-25 Battery

Proposed Battery Facility Modifications to Commingle Abo liquids with existing facility.
 (Modifications are shown as dotted lines, using old B2S #3 Fusselman Flowline)

5/82
 AJW