

# Santa Fe Energy Company



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

*Amended  
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.



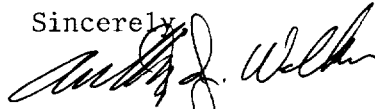
<u>Zone</u>	<u>Justis Blinebry Tubb-Drinkard, Fusselman</u>	<u>Undesignated Abo</u>	<u>Combined</u>
Volume	54.06 BOPD	5 BOPD	59.06 BOPD
Gravity	36.2	35.7	36.15
Price	\$31.930/BO	\$31.850/BO	\$31.9225/BO
Value (Gross)	\$1726.14/day	\$159.25/day	\$1885.34

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:

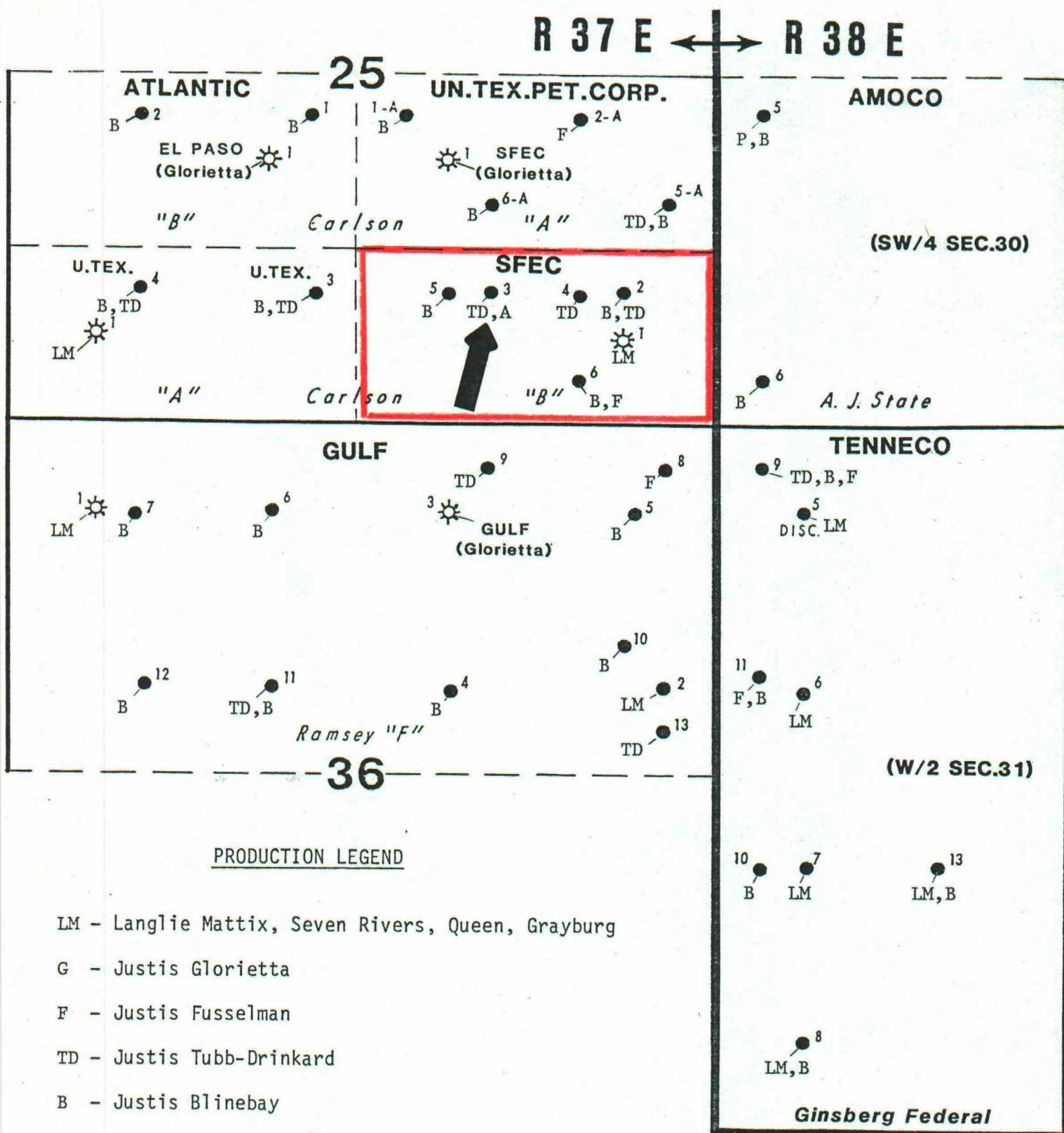
Your letter application of June 14, 1982, requests approval to commingle Abo oil produced from well No. 3 Federal B-25 with commingled Blinebry, Tubb-Drinkard and Fusselman from the same lease, which was approved by our letter of July 8, 1977.

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



**SANTA FE ENERGY COMPANY**

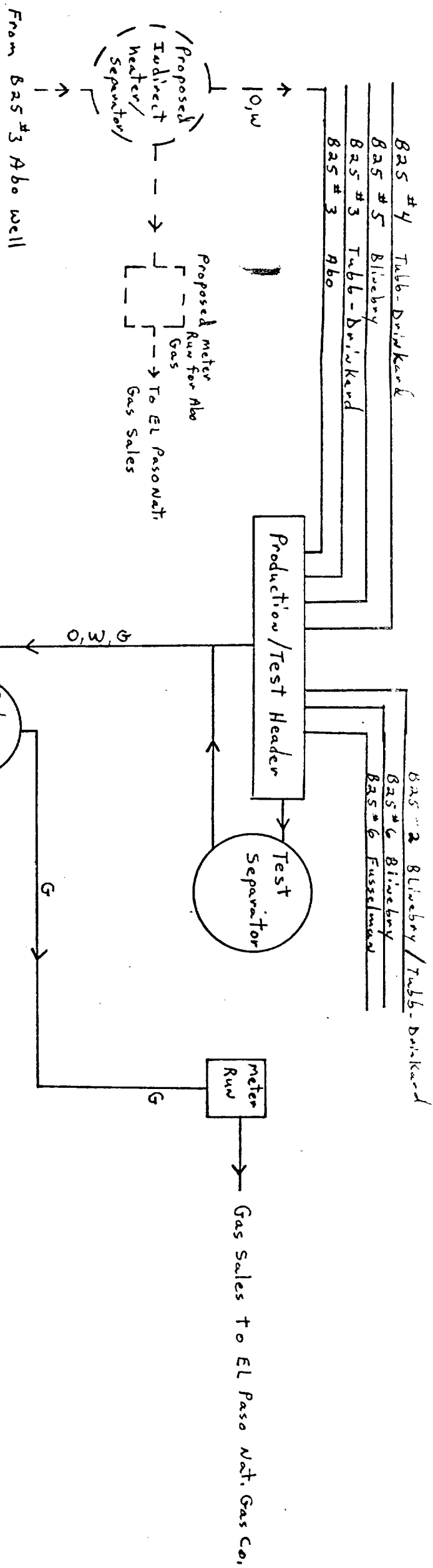
PERMIAN BASIN DISTRICT  
AMARILLO, TEXAS

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



CARLSON B-25 Battery

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

5/82  
 AJW