



THE ATLANTIC REFINING COMPANY
INCORPORATED - 1870
PETROLEUM PRODUCTS

DOMESTIC PRODUCING DEPARTMENT
NEW MEXICO DISTRICT

BOONE MACAULAY, DISTRICT MANAGER
R. F. CHAMPION, DISTRICT LANDMAN
W. T. EASTES, DISTRICT GEOPHYSICIST
E. R. DOUGLAS, DISTRICT GEOLOGIST
A. D. KLOXIN, DISTRICT DRG. & PROD. SUP'T.
W. P. TOMLINSON, DISTRICT ENGINEER
B. R. WARE, ADMINISTRATIVE SUPERVISOR

MAILING ADDRESS
P. O. BOX 1978
ROSWELL, NEW MEXICO

August 30, 1961

New Mexico Oil Conservation Commission
Post Office Box 871
Santa Fe, New Mexico

ATTENTION: Mr. A. L. Porter

File

Re: Revision No. 1 For Commingled
Production, Carlson Federal
"A" Lease in Justis Field,
Lea County, New Mexico

Gentlemen:

On July 10, 1961, we were granted permission to commingle the production from three separate pools (Paddock, Blinebry & Tubb/Drinkard) on our Carlson Federal "A" Lease. This lease consists of the N/2 SE/4 of Section 23, Township 25-S, Range 37-E. Permission was granted by Administrative Order PC-34.

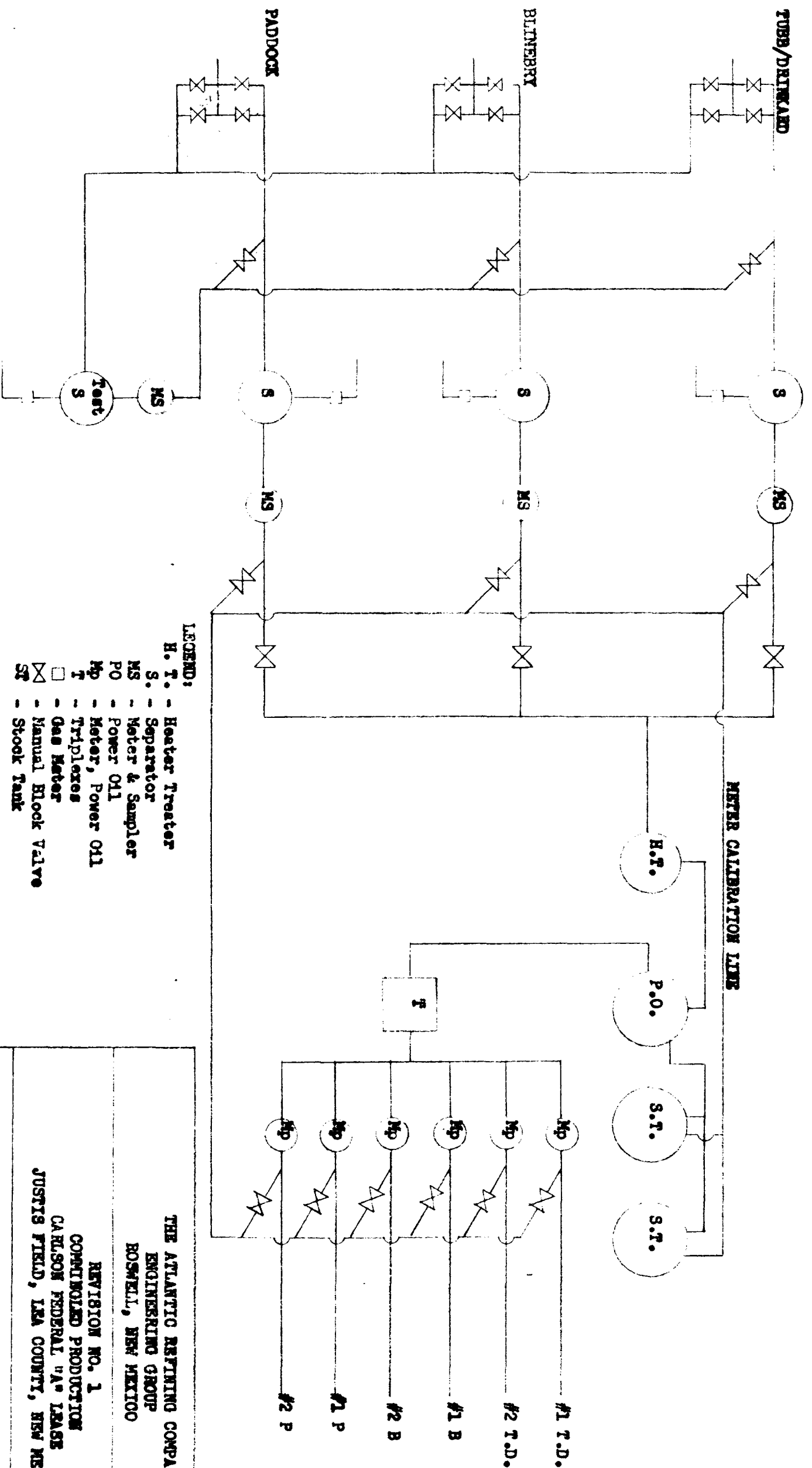
We are in the process of adding another well to the above-named lease, which will also produce from the Paddock, Blinebry and Tubb/Drinkard pools. With the addition of this well we will install testing facilities as shown on attached schematic. This installation will permit the testing of individual wells.

We realize that the Commission's decision in Case No. 2356 may require a change in our hook-up. However, it is necessary that we proceed with the installation of enough additional equipment at this time in order to produce our new well. Our proposed installation is designed to require a minimum of revision at a later date.

Yours very truly,

A. D. Kloxin
A. D. Kloxin,
District Production and
Drilling Superintendent

LT:pam
Enclosure



THE ATLANTIC REFINING COMPANY
ENGINEERING GROUP
ROSWELL, NEW MEXICO

REVISION NO. 1
CONTINUED PRODUCTION
CARLSON FEDERAL "A" LEASE
JUSTIS FIELD, LISA COUNTY, NEW MEXICO

DATE: August 29, 1961



THE ATLANTIC REFINING COMPANY
INCORPORATED 1870
PETROLEUM PRODUCTS

June 14, 1961

DOMESTIC PRODUCING DEPARTMENT

ADDRESS REPLY TO:
P. O. BOX 1038
DENVER CITY, TEXAS

New Mexico Oil Conservation Commission
P. O. Box 871
Santa Fe, New Mexico

Attn: Mr. A. L. Porter

Re: Permission to commingle the production
from three separate pools and to use a
common power oil supply for artificial
lift on the Carlson Federal "A" Lease
in Justis Field, New Mexico.

Gentlemen:

The applicant, The Atlantic Refining Company, requests permission to commingle the production from three separate pools (Paddock, Blinebry, and Tubb-Drinkard) into a common tank battery on the Carlson Federal "A" Lease in Justis Field. Applicant seeks permission as per Revised Rule 303, Case No. 1850, Order No. R 1957. Also applicant requests permission to use a common power oil supply for artificial lift when needed when the wells quit flowing.

The applicant is the operator of the Carlson Federal "A" Lease which consists of the N/2 SE/4 of Section 23, Township 25-S, Range 37-E. Each pool will be produced as a single common source of supply. The completed wells will be maintained and operated so as to prevent communication within the wellbore and before marketing. The liquid hydrocarbon production from each zone will be determined prior to commingling. The gravities of the hydrocarbons and the values thereof from each pool and the expected gravity and value of the commingled hydrocarbon are as follows:

	Gravity	BOPD	Value
Paddock	37.1	34	\$ 100.30
Blinebry	37.5 (est.)	47	138.65
Tubb-Drinkard	37.1	47	<u>138.65</u>
		Total	\$ 377.60
Commingled	37.2	128	\$ 377.60

Cont. on Page 2

There should not be any loss in value due to commingling. If the intermediate hydrocarbons from any of the zones is sour, separate tankage will be installed for that zone.

Attached is a schematic drawing of the proposed tank battery for this lease with the additional equipment for artificial lift. Without the need for artificial lift the hydrocarbons will go directly from the treating system to the storage tanks. This proposal will permit the use of common storage tanks with the liquid hydrocarbons determined separately prior to commingling with meters equipped with non-reset totalizers. Samplers will be installed on each zone so as to attribute the bad oil to the proper zone. After commingling, the water will be removed in a common treating system. The net liquid hydrocarbons will be determined from the metered volumes and the samples obtained. At such time as the water production from any pool becomes too large for accurate metering, a free water knock-out can be installed upstream of the meter.


When the wells cease to flow by natural means, we propose to install hydraulic pumps in each zone using a common power oil supply. The power oil will be metered to each zone. The combined power oil and production from each zone will be metered and sampled prior to commingling.

All persons owning an interest in the subject acreage are being notified by registered mail as per attached list.

The proposed installation will permit the applicant to conduct tests of the individual wells. Approval of this proposal will neither cause waste nor impair correlative rights.

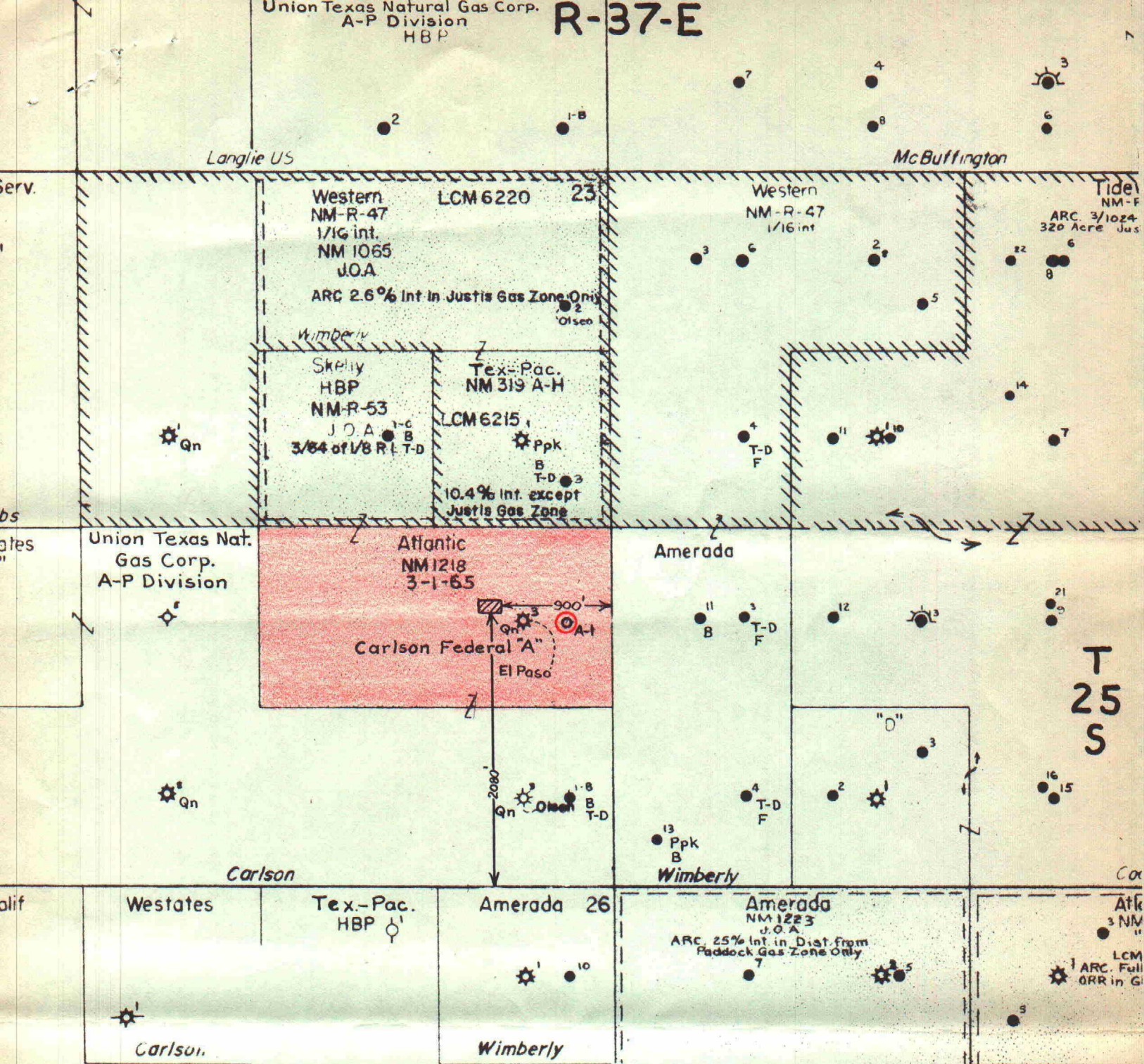
Yours very truly,

Engineering Group



By: L. C. Hudry

LCH:lc



**THE ATLANTIC REFINING COMPANY
WEST TEXAS-NEW MEXICO REGION**

**AREA OF ATLANTIC CARLSON FEDERAL "A" LEASE
JUSTIS POOL**

SCALE: 1"=1000'

LEGEND:

Qn - Queen
Ppk - Paddock
B - Blinebry

T-D - Tubb/Drinkard
F - Fusselman
[Hatched Box] - Tank Battery

COMMINGLE APPLICATION FOR CARLSON
FEDERAL "A" LEASE, JUSTIS POOL,
LEA COUNTY, NEW MEXICO

Below is a list of names of persons owning an interest in subject acreage who received copies of the subject application.

New Mexico Oil Conservation Commission, Santa Fe, New Mexico.

New Mexico Oil Conservation Commission, Hobbs, New Mexico.

El Paso Natural Gas Company, Jal, New Mexico.

Regional Supervisor of U.S.G.S., Box 6721, Roswell, New Mexico,
Attn: Mr. J. Anderson.

Western Petroleum Company, 391 Sutter Street, San Francisco 8, Calif.

J. Reuel Armstrong, Rawlins, Wyoming.

J. E. Armstrong, Jr., Byron, Wyoming.

Ann Young, 1224 Southfield Avenue, Detroit.

Mrs. Fred E. Tucker (aka Mary Elizabeth Tucker), 3400 East First Street,
Long Beach, California.

W. L. McLaine, Higgins Bldg., Los Angeles, California.

Helen W. Franklin, 8222 Hollywood Blvd., Hollywood, California.

J. W. Pauson, 391 Sutter Street, San Francisco 8, California.

Ruby C. Bowen, Rawlins, Wyoming.

Anna May Rasmussen, Rawlins, Wyoming.

Joan Bowen, Rawlins, Wyoming.

cc: Mr. A. B. Macaulay, Roswell
Mr. V. E. Stepp, Dallas
Mr. R. E. Howard, Midland
Mr. W. P. Tomlinson, Roswell

OIL CONSERVATION COMMISSION

BOX 2045

HOBBS, NEW MEXICO

DATE June 22, 1961

OIL CONSERVATION COMMISSION
BOX 371
SANTA FE, NEW MEXICO

Re: Proposed NSP.....

Proposed NSL.....

Proposed NFO.....

Proposed DC.....

PC-34 X

Gentlemen:

I have examined the application dated June 21, 1961

for the Atlantic Refining Company Carlson Federal "A" 23-25-37
Operator Lease and Well No. S-T-R

and my recommendations are as follows:

LAC-OK

JWR-OK

Yours very truly,

OIL CONSERVATION COMMISSION

Leslie H. Clements