

LAW OFFICES OF  
JENNINGS, CHRISTY & COPPLE

JAMES T. JENNINGS  
SIM B. CHRISTY IV  
ROGER L. COPPLE  
BRIAN W. COPPLE

1012 SECURITY NATIONAL BANK BUILDING  
P. O. BOX 1180  
ROSWELL, NEW MEXICO 88201

TELEPHONE 622-8432  
AREA CODE 505

ROBERT G. ARMSTRONG

December 27, 1973

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

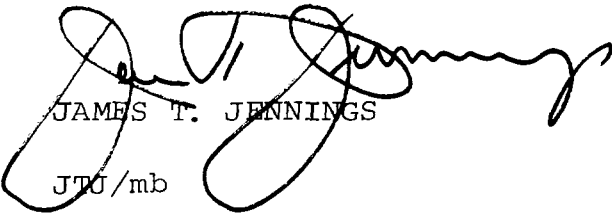
RE: SHENANDOAH GRAYBURG-JACKSON PARKE WATERFLOOD PROJECT  
GRAYBURG-JACKSON POOL, EDDY COUNTY, NEW MEXICO  
ORDER NO. R-4133, CASE NO. 4521

Enclosed herewith you will find an Application in triplicate for administrative approval of two additional water injection wells in connection with the above project.

The original Order, No. R-4133, provided for administrative approval of additional injection wells.

Due to the difficulty of photographing the logs, we are only including logs as exhibits to the original Application. If it is essential that you have additional logs, we will supply them.

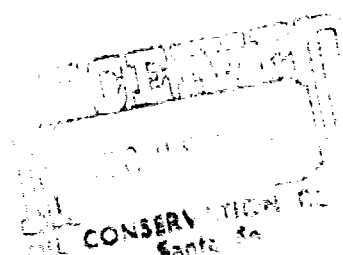
If there are any questions or if you need any further information, please call us. Copies of the Application are being transmitted to the U.S.G.S. in Artesia and to the offset operators.

  
JAMES T. JENNINGS

JTO/mb

Encl.

cc: Shenandoah Oil Corporation



LAW OFFICES OF  
JENNINGS, CHRISTY & COPPLE  
1012 SECURITY NATIONAL BANK BUILDING  
P. O. BOX 1180  
ROSWELL, NEW MEXICO 88201

JAMES T. JENNINGS  
SIM B. CHRISTY IV  
ROGER L. COPPLE  
BRIAN W. COPPLE

TELEPHONE 622-8432  
AREA CODE 505

ROBERT G. ARMSTRONG

December 27, 1973

General American Oil Company  
P. O. Box 3306  
Odessa, Texas 79760

Anadarko Production Company  
P. O. Box 9317  
Fort Worth, Texas 76107

Attention: Pete Green

Attention: Irley Bonnette

Petroleum Corporation  
P. O. Box 911  
Breckenridge, Texas 76024

Windfohr Oil Company  
1204 First National Bank Bldg.  
Fort Worth, Texas 76102

RE: SHENANDOAH OIL CORPORATION APPLICATION FOR ADMINISTRATIVE  
APPROVAL OF CONVERTING TWO WELLS IN THE SHENANDOAH GRAYBURG-  
JACKSON PARKE WATERFLOOD PROJECT TO WATER INJECTION WELLS

Gentlemen:

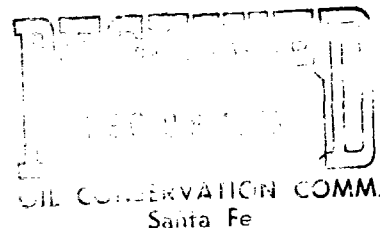
Enclosed herewith you will find a copy of an Application which is being filed on behalf of Shenandoah Oil Corporation for administrative approval of converting two wells located in Sections 15 and 22, Township 17 South, Range 30 East, N.M.P.M., to water injection wells. A copy of the Application is being sent to you as an operator offsetting the proposed injection wells in accordance with the provisions of Oil Conservation Commission Rule 701-E-5. Copies of the logs are not attached to the Application, but will be furnished to you upon request.

JAMES T. JENNINGS

JTJ/mb

Encl.

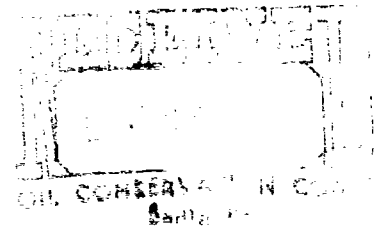
cc: Oil Conservation Commission  
Shenandoah Oil Corporation



BEFORE THE OIL CONSERVATION COMMISSION

OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF  
SHENANDOAH OIL CORPORATION TO CONVERT  
TWO ADDITIONAL WELLS TO WATER INJECTION  
WELLS IN THE SHENANDOAH GRAYBURG-JACKSON  
PARKE WATERFLOOD PROJECT IN THE GRAYBURG-  
JACKSON POOL, EDDY COUNTY, NEW MEXICO.



APPLICATION FOR ADMINISTRATIVE APPROVAL  
OF ADDITIONAL WATER INJECTION WELLS

Comes now Applicant, Shenandoah Oil Corporation, and hereby makes application for administrative approval of the conversion of two additional wells to water injection in the Shenandoah Grayburg-Jackson Parke Waterflood Project pursuant to Rule 701 E-5 of the Rules and Regulations of the Commission and in support thereof states:

1. That by Order No. R-4133, Case No. 4521, the Commission authorized the Applicant herein to institute a waterflood project in the Grayburg-Jackson Pool by the injection of water into the Grayburg and San Andres formations and the Commission designated the project as the Shenandoah Grayburg-Jackson Parke Waterflood Project.

2. That pursuant to Order No. R-4133 Applicant converted to water injection wells three wells located in Sections 15 and 22, Township 17 South, Range 30 East, N.M.P.M.

3. That the conversion of two additional wells to water injection wells is necessary for an efficient injection pattern and will insure the protection of correlative rights and result in the increased ultimate recovery of oil and prevent waste.

4. Applicant desires to convert the following wells to water injection wells:

<u>WELL NUMBER</u>	<u>LOCATION</u>
Dale H. Parke "A" No. 1	Unit A Section 22, T-17S, R-30E
Dale H. Parke "A" Tr. 2 No. 8	Unit N Section 15, T-17S, R-30E

5. That Applicant will inject fresh to brackish water and produced water and the injection wells will be completed in the same formations in the same manner as other injection wells on the project. Applicant will use plastic coated tubing and downhole Baker flow regulator control valves and packers.

6. In support of this application and in accordance with the provisions of Rule 701-B, Applicant has heretofore submitted in connection with its original application for waterflood project a plat marked Exhibit B showing the location of Applicant's project relative to the ownership of all other leases within a two-mile radius which are producing from one or more of the same geologic formations, and Applicant hereby adopts said exhibit by reference and submits the following exhibits:

<u>Exhibit A:</u>	A plat showing the field pattern of the wells which have heretofore been converted to water injection wells and the two additional wells which Applicant proposes to convert to water injection wells, also outlining Applicant's leases in the area.
<u>Exhibits B-1 and B-2:</u>	Diagramatic sketch of the proposed injection wells showing tops of cement, casing program, perforations and depths of the two wells.
<u>Exhibits C-1 and C-2:</u>	Logs of the two wells which Applicant proposes to convert to water injection wells.

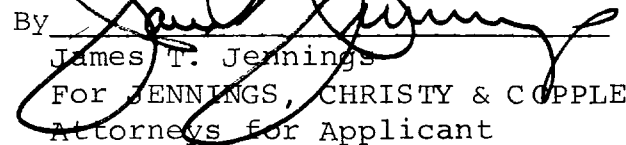
7. Simultaneous with the filing of this Application Applicant has mailed copies of the Application to the U. S. Geological Survey, P. O. Drawer U, Artesia, New Mexico, 88210, Attention: James A. Knauf, and to the following offset operators, who are:

General American Oil Company, Box 3306, Odessa, Texas, 79760, Attention: Pete Green  
Anadarko Production Company, P. O. Box 9317, Fort Worth, Texas, 76107, Attention: Irley Bonnette  
Petroleum Corporation, Box 911, Breckenridge, Texas, 76024  
Windfohr Oil Company, 1204 First National Bank Building, Fort Worth, Texas, 76102

WHEREFORE, Applicant requests that the Secretary-Director of the Commission approve the expansion of the Shenandoah Grayburg-Jackson Parke Waterflood Project to include the two additional injection wells described above, and that Applicant be authorized to inject water into the Grayburg and San Andres formations in the above described wells in Sections 15 and 22, Township 17 South, Range 30 East, N.M.P.M.

Respectfully submitted,

SHENANDOAH OIL CORPORATION

By   
James T. Jennings  
For JENNINGS, CHRISTY & COPPLE  
Attorneys for Applicant  
P. O. Box 1180  
Roswell, New Mexico 88201

R-30-E

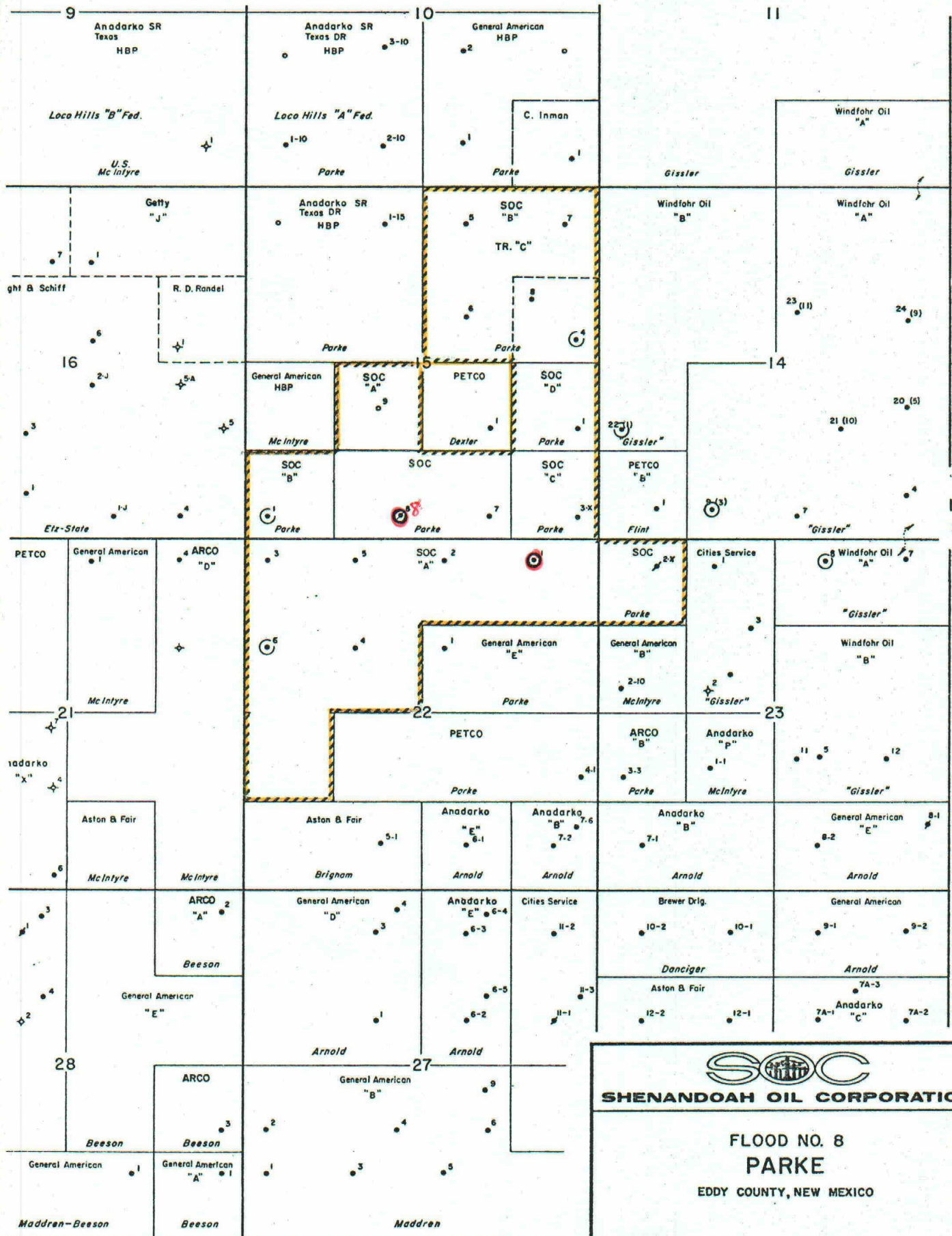
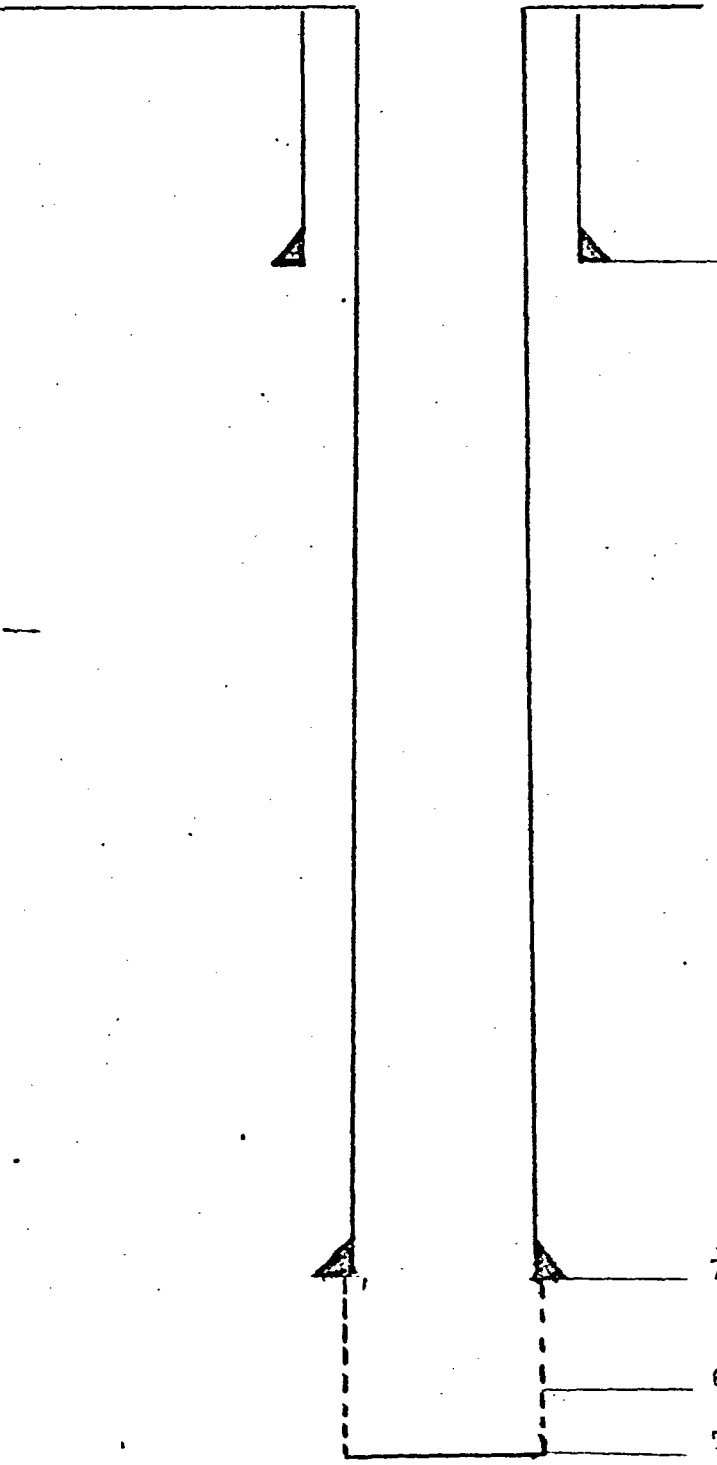


Exhibit A

DALE H. PARKE "A" NO. 1

Unit "A" - 330' FNL and 990' FEL  
Section 22 - T17S - R30E  
EDDY COUNTY, NEW MEXICO



470' of 9" OD casing at 478' w/50 sks

7" - 24# casing set at 2,952-w/100 sks

6-1/4" open hole (San Andres)

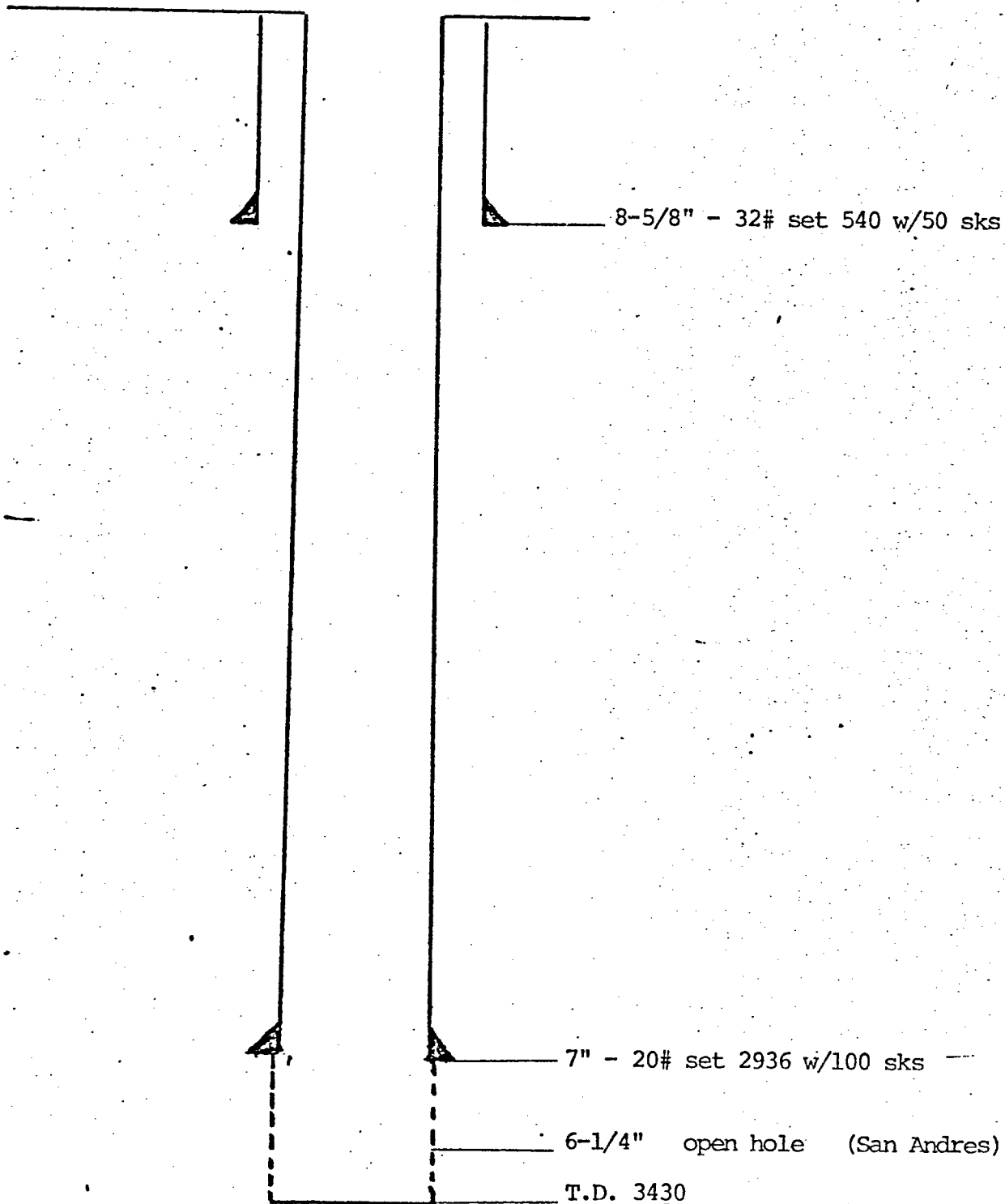
T.D. 3,450

DALE H. PARKE "A" Tr. 2 No. 8

Unit N - 330' FSL and 2310' FWL

Section 15 - T17S - R30E

EDDY COUNTY, NEW MEXICO







# United States Department of the Interior

## GEOLOGICAL SURVEY

P. O. Drawer U  
Artesia, New Mexico 88210

January 16, 1974

Jennings, Christy and Kopple  
Post Office Box 1180  
Roswell, New Mexico 88201

Gentlemen:

Your letter of December 27, 1973 requests approval for Shenandoah Oil Corporation to expand the Parke Waterflood Project in the Grayburg-Jackson Pool to include that portion of the following leases described as:

New Mexico 0467930  
T. 17 S., R. 30 E.  
Sec. 22: NE $\frac{1}{4}$ NE $\frac{1}{4}$

Las Cruces 029020(a)  
T. 17 S., R. 30 E.  
Sec. 15: SE $\frac{1}{4}$ SW $\frac{1}{4}$

The plan proposes to convert to water injection the following wells:

<u>Well Number and Lease</u>	<u>Location</u>
No. 1 - Dale H. Parke "A"	330/N 990/E sec. 22
No. 8 - Dale H. Parke "A" Tr. 2	330/S 2310/W sec. 15

The expansion of this project as proposed in the application is satisfactory to this office and hereby approved subject to like approval by the New Mexico Oil Conservation Commission and the following:

1. This expansion will be operated in compliance with the New Mexico Oil Conservation Commission regulations governing waterflood operations and will be included on the project monthly progress report, duplicate copies of which will be submitted to this office.
2. This approval does not preclude the necessity to file the usual notice and reports on all wells involved.

Sincerely yours,

(C-4c, Sec.) ROBERT L. BECKMAN  
Robert L. Beckman  
Assistant District Engineer

cc: NMCC, Santa Fe ✓