

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

APPLICATION OF HUMBLE OIL &)
 REFINING COMPANY FOR AN ORDER)
 APPROVING THE CONVERSION OF)
 FOUR ADDITIONAL PRODUCING)
 WELLS TO WATER INJECTION SERVICE))
 IN THE NORTHWEST CHA CHA-GALLUP)
 PRESSURE MAINTENANCE PROJECT,)
 SAN JUAN COUNTY, NEW MEXICO.)

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 Case No. _____
 Order No. _____
20-609

COMES NOW, the Applicant herein, HUMBLE OIL & REFINING COMPANY, a Delaware corporation, authorized to do business in the State of New Mexico, and hereby makes application to the New Mexico Oil Conservation Commission for an order authorizing the conversion of four additional producing wells to water injection service in the project area of the Northwest Cha Cha-Gallup Unit. This application is made pursuant to Order No. R-2154 of the Commission. In support hereof, Applicant respectfully alleges and states:

I.

On January 3, 1962, this Commission entered its Order No. R-2154 in this case, which said order authorized Applicant to institute a Pressure Maintenance Project in the Cha Cha-Gallup Pool, San Juan County, New Mexico, by injecting water into the Gallup formation in certain wells described in paragraph 1 of said order in accord with the Special Rules and Regulations governing the operation of said project, all as set forth in Rules 1 through 11, inclusive, promulgated in said order.

II.

Rule 11 of said order provides that conversion of additional producing wells to water injection service and the

expansion of the project area shall be accomplished only after approval thereof by the Secretary-Director of the Commission, such permission to be obtained according to the procedure prescribed in Rule 11.

III.

Applicant now requests authority to convert into water injection and to operate as water injection wells, those certain wells now producing from the Gallup formation as follows:

<u>Well</u>	<u>Location</u>
Northwest Cha Cha Unit Well No. 14-17	SW $\frac{1}{2}$ SW $\frac{1}{4}$ of Sec. 17-29N-14W
Northwest Cha Cha Unit Well No. 21-28	NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Sec. 28-29N-14W
Northwest Cha Cha Unit Well No. 32-22	SW $\frac{1}{2}$ NE $\frac{1}{4}$ of Sec. 22-29N-14W
Northwest Cha Cha Unit Well No. 32-35	SW $\frac{1}{2}$ NE $\frac{1}{4}$ of Sec. 35-29N-14W

Northwest Cha Cha Unit Wells No. 14-17, 21-28, 32-22 and 32-35 are owned and operated by said unit and lie within the presently existing project area.

IV.

In support of this application, Applicant attaches hereto as Exhibit "A" a plat showing:

1. The present project area of the Northwest Cha Cha-Gallup Unit Pressure Maintenance Project.
2. The location of the proposed wells more particularly described above in Section III which it is proposed to convert to water injection wells.
3. All wells completed in the Gallup formation located within the project area and all wells within one mile of the proposed injection wells.
4. All offsetting operators within one mile of the proposed injection wells.

V.

Further in support of this application and as required by said Order No. 2154, Applicant attaches hereto as Exhibits

"B," "C," "D" and "E" schematic diagrams of the Northwest Cha Cha-Gallup Unit Wells No. 14-17, 21-28, 32-22 and 32-35, which said diagrams describe fully the cementing, casing, tubing, perforated intervals, and depth of said wells and further showing that the injection of water will be confined to the Gallup formation in said wells.

VI.

Further in support of this application and as required by Order No. R-2154, Applicant attaches hereto as Exhibit "F" proof of service of a complete copy of this application on all operators of oil and gas leasehold estates offsetting the proposed injection wells and the date of such service.

VII.

Applicant attaches hereto for informational purposes as Exhibits "G," "H," "I" and "J" induction-electric well surveys run in the Northwest Cha Cha-Gallup Unit Wells No. 14-17, 21-28, 32-22 and 32-35.

VIII.

Further in support of this application, Applicant attaches hereto as Exhibit "K" a table indicating with respect to the proposed injection wells, the zones into which water will be injected into said wells, the kind of fluid to be injected into said wells, the anticipated daily amounts of water that will be injected into said wells, and the source of said water. Applicant will obtain water for injection into said wells from the San Juan River alluvium by means of wells which have heretofore been drilled adjacent to the bed of said river in Sections 15 and 16 in Township 29 North, Range 14 West, and three additional wells to be drilled in the same area. Said

existing and contemplated water source wells will be capable of producing water in quantities sufficient to continue to supply water for injection into injection wells heretofore authorized in the Northwest Cha Cha-Gallup Pressure Maintenance Project and also in additional quantities sufficient to provide water for injection into the four additional injection wells as proposed herein.

IX.

Further in support of this application, Applicant attaches hereto as Exhibit "L" form C-116 issued by this Commission entitled "Gas-Oil Ratio Report," setting forth information with respect to all Northwest Cha Cha-Gallup Unit wells which have responded to the existing Pressure Maintenance Project heretofore authorized in Order No. R-2154.

X.

Applicant believes and states that it will be in the interest of conservation and the prevention of waste to convert the wells more particularly described in Section III hereof to water injection service and to operate said wells as water injection wells as herein requested. Conversion of said wells is necessary to obtain the greatest ultimate recovery of oil and gas from the Gallup formation within the area.

WHEREAS, Applicant respectfully requests that an order be entered granting Applicant authority to convert the afore described wells to water injection wells and operate the entire Pressure Maintenance Project and the wells located therein as heretofore authorized by this Commission and its Order No. R-2154 and according to all of the terms and provisions set forth in Special Rules and Regulations governing the operation

of said project as contained in said order.

Dated this 4th day of March, 1966.

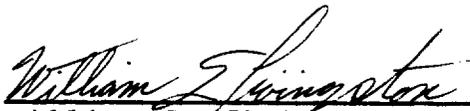
Respectfully submitted,

HUMBLE OIL & REFINING COMPANY

O. K. as to
transaction.....
O. K. as to
Form WSL

By


District Superintendent


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LARGE FORMAT
EXHIBIT HAS
BEEN REMOVED
AND IS LOCATED
IN THE NEXT FILE