

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 2334  
Order No. R-2031

APPLICATION OF GENERAL AMERICAN  
OIL COMPANY OF TEXAS FOR PERMIS-  
SION TO INSTITUTE A WATERFLOOD  
PROJECT IN THE LOCO HILLS POOL,  
EDDY COUNTY, NEW MEXICO, AND FOR  
SPECIAL ALLOWABLES IN CONNECTION  
THEREWITH.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on July 6, 1961, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 13th day of July, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, General American Oil Company of Texas, is the owner and operator of Federal Lease LC 060529, comprising in pertinent part the NE/4 and the SW/4 of Section 31, Township 17 South, Range 30 East, and of the State Lease B-1778, comprising in pertinent part the SE/4 SE/4 of Section 36, Township 17 South, Range 29 East, all in Eddy County, New Mexico.

(3) That said leases are direct offsets to certain leases in the Loco Hills Pool upon which Newmont Oil Corporation is presently conducting waterflood operations.

(4) That in the interest of increasing ultimate recovery and of producing oil which otherwise might not be recovered, applicant seeks authority to institute a waterflood project on the above-described leases by the injection of water into the Loco Hills Sand, which occurs in this area at a depth of

approximately 2800 feet below the surface, into the following wells which would be converted from producing wells:

Beeson "F" No. 2, located  
330 feet from the South  
line and 330 feet from the  
West line,

Beeson "F" No. 4, located  
1650 feet from the South  
line and 2310 feet from the  
West line,

Beeson "F" No. 5, located  
2310 feet from the North  
line and 1650 feet from the  
East line,

Beeson "F" No. 11, located  
1650 feet from the North  
line and 330 feet from the  
East line,

all in Section 31, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, and into the following wells which would be drilled at unorthodox locations:

State "A" No. 2, located  
1295 feet from the South  
line and 990 feet from the  
East line of Section 36,  
Township 17 South, Range  
29 East,

Beeson "F" No. 16, located  
2310 feet from the South  
line and 1300 feet from the  
West line of Section 31,  
Township 17 South, Range  
30 East,

Beeson "F" No. 17, located  
2615 feet from the South  
line and 25 feet from the  
West line of Section 31,  
Township 17 South, Range  
30 East.

(5) That inasmuch as the Newmont Oil Corporation's water-flood is of the "capacity allowable" type with relatively high injection rates, applicant in this cause proposes to inject at equivalent rates and requests special allowables for its producing wells.

CASE No. 2334  
Order No. R-2031

(6) That the applicant should be permitted to institute a waterflood in the Loco Hills Sand of the Loco Hills Pool, Eddy County, New Mexico, by the injection of water into the wells described in Finding No. 4 above, and that a buffer zone should be established wherein water can be injected and wells produced at rates comparable to those in the Newmont Waterflood Project.

(7) That said buffer zone should include the following-described acreage:

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 30 EAST  
SE/4 NE/4 NE/4, S/2 NE/4, SW/4

SECTION 36, TOWNSHIP 17 SOUTH, RANGE 29 EAST  
SE/4 SE/4

(8) That all producing wells located outside the above-described buffer zone should be operated and produced in accordance with the allowable provisions of Rule 701 of the Commission's Rules and Regulations, the project area being limited to that portion of the subject leases which is not included in the buffer zone.

(9) That production from wells outside the buffer zone should be tanked separately from production from wells inside the buffer zone, unless the applicant receives approval from the Commission for some other satisfactory means of determining production from each of the two areas.

(10) That the applicant should be permitted to drill its Beeson "F" Well No. 15 as an additional producing well at an unorthodox location 1660 feet from the North line and 1480 feet from the East line of Section 31, Township 17 South, Range 30 East.

(11) That Order No. R-1970 entered in Case No. 2238 should be superseded.

IT IS THEREFORE ORDERED:

(1) That the applicant, General American Oil Company of Texas, is hereby authorized to institute a waterflood in the Loco Hills Sand of the Loco Hills Pool on its Federal Lease LC 060529, comprising the NE/4 and the SW/4 of Section 31, Township 17 South, Range 30 East, and on its State Lease B-1778, comprising the SE/4 SE/4 of Section 36, Township 17 South, Range 29 East, all in Eddy County, New Mexico, by the injection of water into the following-described wells to be converted from producing wells:

Beeson "F" No. 2, located  
330 feet from the South  
line and 330 feet from the  
West line,

CASE No. 2334  
Order No. R-2031

Beeson "F" No. 4, located  
1650 feet from the South  
line and 2310 feet from the  
West line,

Beeson "F" No. 5, located  
2310 feet from the North  
line and 1650 feet from the  
East line,

Beeson "F" No. 11, located  
1650 feet from the North  
line and 330 feet from the  
East line,

all in Section 31, Township 17 South, Range 30 East, NMPM, Eddy  
County, New Mexico, and into the following wells to be drilled  
at unorthodox locations, which are hereby approved:

State "A" No. 2, located  
1295 feet from the South  
line and 990 feet from the  
East line of Section 36,  
Township 17 South, Range  
29 East,

Beeson "F" No. 16, located  
2310 feet from the South  
line and 1300 feet from the  
West line of Section 31,  
Township 17 South, Range  
30 East,

Beeson "F" No. 17, located  
2615 feet from the South  
line and 25 feet from the  
West line of Section 31,  
Township 17 South, Range  
30 East.

(2) That the following-described buffer zone is hereby  
established wherein water can be injected and wells produced at  
rates comparable with those in the Newmont Waterflood Project:

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 30 EAST  
SE/4 NE/4 NE/4, S/2 NE/4, SW/4

SECTION 36, TOWNSHIP 17 SOUTH, RANGE 29 EAST  
SE/4 SE/4

-5-

CASE No. 2334

Order No. R-2031

(3) That all producing wells located outside the above-described buffer zone shall be operated and produced in accordance with the allowable provisions of Rule 701 of the Commission's Rules and Regulations, the project area being limited to that portion of the subject leases which is not included in the buffer zone.

(4) That production from wells outside the buffer zone shall be tanked separately from production from wells inside the buffer zone, unless the applicant receives approval from the Commission for some other satisfactory means of determining production from each of the two areas.

(5) That the applicant is hereby authorized to drill its Beeson "F" Well No. 15 as a producing well, at an unorthodox location 1660 feet from the North line and 1480 feet from the East line of Section 31, Township 17 South, Range 30 East.

(6) That Order No. R-1970 entered in case No. 2238 is hereby superseded.

(7) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Member

A. L. PORTER, Jr., Member & Secretary

S E A L

esr/

BEFORE THE OIL CONSERVATION COMMISSION  
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
COMMISSION OF NEW MEXICO FOR  
THE PURPOSE OF CONSIDERING:

CASE No. 2633  
Order No. R-2031-A

APPLICATION OF GENERAL AMERICAN OIL  
COMPANY OF TEXAS FOR EXPANSION OF A  
WATERFLOOD PROJECT IN THE LOCO HILLS  
POOL, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on September 11, 1962, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 3rd day of October, 1962, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That by Order No. R-2031, entered in Case No. 2334 on July 13, 1961, the applicant was authorized to institute a waterflood project in the Loco Hills sand of the Loco Hills Pool, by the injection of water into certain wells fully described in said order.

(3) That by said Order No. R-2031, the following-described buffer zone was established wherein water could be injected and wells produced at rates comparable with those in the Newmont Waterflood Project:

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 30 EAST  
SE/4 NE/4 NE/4, S/2 NE/4, SW/4

SECTION 36, TOWNSHIP 17 SOUTH, RANGE 29 EAST  
SE/4 SE/4

-2-

CASE No. 2633  
Order No. R-2031-A

(4) That the applicant now seeks extension of the buffer zone created by Order No. R-2031 by addition of the following acreage:

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 30 EAST  
SW/4 NE/4 NE/4, S/2 NW/4 NE/4

(5) That the applicant further seeks authority to convert to water injection its Beeson F No. 10 Well, located 990 feet from the North line and 1650 feet from the East line of Section 31, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, and to inject water through said well into the Loco Hills Sand of the Grayburg formation.

(6) That approval of the subject application will increase ultimate recovery of oil which otherwise might not be recovered, and will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

(1) That Order No. R-2031, entered in Case No. 2334 on July 13, 1961, is hereby amended by the addition of the following-described acreage to the buffer zone established in said order:

SECTION 31, TOWNSHIP 17 SOUTH, RANGE 30 EAST  
SW/4 NE/4 NE/4, S/2 NW/4 NE/4

(2) That Order No. R-2031, entered in Case No. 2334 on July 13, 1961, is hereby amended by the addition of applicant's Beeson F No. 10 Well, located 990 feet from the North line and 1650 feet from the East line of Section 31, Township 17 South, Range 30 East, NMPM, Eddy County, New Mexico, to those wells approved by said order for the injection of water in the Loco Hills Sand of the Loco Hills Pool.

(3) That Order No. R-2031, entered in Case No. 2334 on July 13, 1961, shall remain in full force and effect except as amended by this order.

(4) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.



STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*E. L. Mechem*  
EDWIN L. MECHEM, Chairman

*E. S. Walker*  
E. S. WALKER, Member

*A. L. Porter, Jr.*  
A. L. PORTER, Jr., Member & Secretary

esr/