

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

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

CASE NO. 1185
Order No. R-952

APPLICATION OF THE IBEX COMPANY
FOR AN ORDER AUTHORIZING THREE
WATER FLOOD PROJECTS FOR PURPOSES
OF SECONDARY RECOVERY IN THE PREMIER
SAND OF THE GRAYBURG FORMATION OF THE
ARTESIA POOL, EDDY COUNTY, NEW MEXICO,
AND FURTHER AUTHORIZING THE UNORTHODOX
LOCATION OF A NUMBER OF THE APPLICANT'S
WELLS IN THE SAID ARTESIA POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 13, 1956 at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 14th day of February, 1957, the Commission, a quorum being present, having considered the application and the evidence adduced, and being fully advised in the premises,

FINDS:

1. That due notice having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
2. That the application for two of the above-captioned water floods should be dismissed without prejudice due to the fact that they involve the uppermost member of the Grayburg formation rather than the Premier Sand as indicated in the application and legal advertisement for this case.
3. That the applicant, The Ibex Company, proposes to institute a pilot water flood operation on certain of its leases in the Artesia Pool, Section 4, Township 18 South, Range 28 East, NMPM, Eddy County, New Mexico; said pilot flood to be limited to the Premier Sand of the Grayburg formation underlying the aforementioned leases.
4. That the applicant proposes to accomplish the said flooding operation by means of water injection through its Levers State Wells Numbers 4, 7, and 10, its Cowell State Wells Numbers 1 and 10 and its Humble State Eddy Well Number 1.

5. That the proposed program for secondary recovery will promote conservation and tend to prevent waste through the production of oil which might not otherwise be recovered.

6. That the progress of the secondary recovery program should be reported periodically to the Commission.

7. That the unorthodox location of the applicant's wells in the area affected by the proposed water flood program should be approved in order to facilitate the operation of the said project.

IT IS THEREFORE ORDERED:

1. That the application of the Ibex Company for two pilot water floods to be instituted in Sections 21, 28 and 32, Township 18 South, Range 28 East, NMPM, be and the same are hereby dismissed without prejudice.

2. That the application of the Ibex Company for permission to institute a pilot water flood in the Premier Sand of the Grayburg formation underlying Section 4, Township 18 South, Range 28 East, NMPM, Artesia Pool, Eddy County, New Mexico, be and the same is hereby granted.

3. That the following Ibex Company wells be and the same are hereby approved as unorthodox locations and water injection wells:

Levers State Well No. 4 - 1065 feet from South line and 1049 feet from the West line.

Levers State Well No. 7 - 247 feet from the South line and 1600 feet from the West line.

Levers State Well No. 10- 1061 feet from the South line and 2271 feet from the West line.

Cowell State Well No. 1 - 1572 feet from the South line and 1549 feet from the West line.

Cowell State Well No. 10- 2397 feet from the South line and 2082 feet from the West line.

Humble State Eddy Well

No. 4 - 1550 feet from the South line and 2088 feet from the East line,

all in Section 4, Township 18 South, Range 28 East, NMPM, Artesia Pool, Eddy County, New Mexico.

4. That monthly progress reports on the water flood project shall be submitted to the Commission in accordance with Rule 1119 of the Commission Rules and Regulations.

-3-

Case No. 1185
Order No. R-952

5. That the unorthodox locations of the following IbeX Company wells be and the same are hereby approved in addition to the injection wells listed in paragraph 2 above:

Levers State Well No. 2 - 603 feet from the South line and 497 feet from the West line.

Levers State Well No. 3 - 1074 feet from the South line and 265 feet from the West line.

Levers State Well No. 6 - 223 feet from the South line and 838 feet from the West line.

Levers State Well No. 8 - 1075 feet from the South line and 1567 feet from the West line.

Cowell State Well No. 2 - 1532 feet from the South line and 2088 feet from the West line.

Cowell State Well No. 11- 2399 feet from the South line and 1560 feet from the West line.

Humble State Eddy Well #1-2315 feet from the South line, and 2280 feet from the East line.

Humble State Eddy Well #5-1540 feet from the South line, and 1563 feet from the East line.

Welch Solt State Well No.-

4

-1532 feet from the South line, and 1019 feet from the West line,

all in Section 4, Township 18 South, Range 28 East, NMPM, Artesia Pool, Eddy County, New Mexico.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



EDWIN L. MECHEM, Chairman



MURRAY E. MORGAN, Member



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



ir/

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. 1185
Order No. R-952-A

APPLICATION OF GRARIDGE CORPO-
RATION FOR AN ORDER AMENDING
ORDER NO. R-952 TO ESTABLISH
AN ADMINISTRATIVE PROCEDURE
WHEREBY ADDITIONAL WELLS IN
THE ARTESIA WATER FLOOD PROJECT
NO. 1, ARTESIA POOL, EDDY
COUNTY, NEW MEXICO, MAY BE CON-
VERTED TO WATER INJECTION, FOR
APPROVAL OF FIFTEEN UNORTHODOX
WELL LOCATIONS IN SAID PROJECT
AND FOR CAPACITY ALLOWABLES
FOR FIVE WELLS IN SAID PROJECT

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8:00 o'clock a.m. on June 24, 1959, 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 15th day of July, 1959, 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-952, the Ibex Company was authorized to institute its Artesia Water Flood Project No. 1, Artesia Pool, Eddy County, New Mexico.
- (3) That Graridge Corporation, operator of said water Flood Project, seeks an amendment of said Order No. R-952 to establish an administrative procedure whereby additional wells in said Water Flood Project may be converted to water injection without notice and hearing.

-2-

Case No. 1185

Order No. R-952-A

(4) That the applicant, Graridge Corporation, further seeks approval of fifteen (15) unorthodox well locations in said Water Flood Project.

(5) That the applicant further seeks capacity allowables for the following-described wells in said Water Flood Project:

Lavers State Well No. 3, SW/4 SW/4 of
Section 4, Township 18 South, Range 28 East

Lavers State Well No. 6, SW/4 SW/4 of
Section 4, Township 18 South, Range 28 East

Lavers State Well No. 8, NW/4 SW/4 of
Section 4, Township 18 South, Range 28 East

Solt State Welch No. 1, NW/4 SW/4 of
Section 4, Township 18 South, Range 28 East

Cowell State Well No. 2, NE/4 SW/4 of
Section 4, Township 18 South, Range 28 East

all in Eddy County, New Mexico.

(6) That the evidence presented indicates that said Water Flood Project has caused an increase in the producing capacity of the above-described wells to the extent that they are now or soon will be capable of producing in excess of top unit allowable for the Artesia Pool.

(7) That the evidence presented further indicates that waste might occur if production from the above-described wells is restricted.

(8) That the subject application should be approved.

IT IS THEREFORE ORDERED:

(1) That Order No. R-952 be and the same is hereby amended to establish an administrative procedure whereby additional wells in the Ibex Company's Artesia Water Flood Project No. 1, Artesia Pool, Eddy County, New Mexico, may be converted to water injection without notice and hearing.

PROVIDED HOWEVER, That no well located in said Water Flood Project shall be eligible for administrative approval for conversion to water injection unless it is established to the satisfaction of the Secretary-Director of the Commission that the proposed water injection well has experienced a substantial response to the Water Flood Project or is directly offset by a producing well which has experienced such response; and that it is located on a water injection pattern which will result in a thorough and efficient sweep of oil by said water flood.

PROVIDED FURTHER, That to obtain administrative approval for the conversion of any well to water injection, applicant shall submit to the Commission in triplicate a request for such administrative approval, setting forth therein all the facts pertinent to the need for converting additional wells to water injection, and attaching thereto Commission Form C-116, showing production tests of the affected well or wells both before and after stimulation by water flood. Applicant shall also attach plats of the Water Flood Project area and immediate surrounding area, indicating thereon the owner of each lease and the location of all water injection wells and producing wells, and shall submit evidence that a copy of the application to convert additional wells to water injection has been sent to each operator offsetting the proposed injection well.

The Secretary-Director may, if in his opinion there is need for the conversion of additional wells to water injection, authorize said conversion without notice and hearing, provided no offset operator objects to said conversion to water injection within fifteen (15) days. The Secretary-Director may grant immediate approval of the conversion upon receipt of waivers of objection from all operators offsetting the proposed water injection well.

(2) That unorthodox well locations be and the same are hereby approved for the following-described wells located in said Water Flood Project:

Solt State Welch Well No. 2, located 2397 feet from the South line and 256 feet from the West line of Section 4

Solt State Welch Well No. 3, located 2370 feet from the South line and 1050 feet from the West line of Section 4

Solt State Welch Well No. 4, located 1532 feet from the South line and 1019 feet from the West line of Section 4

Solt State Welch Well No. 5, located 1578 feet from the South line and 269 feet from the West line of Section 4

Daughterity State Solt Well No. 2, located 2394 feet from the North line and 1054 feet from the West line of Section 4

Levers State Well No. 9, located 257 feet from the South line and 1381 feet from the East line of Section 4

-4-

Case No. 1185
Order No. R-952-A

Levers State Well No. 14, located 170 feet from the South line and 195 feet from the West line of Section 4

Humble State Stout Well No. 2, located 1579 feet from the South line and 1061 feet from the East line of Section 4

Solt State Well No. 2, located 2404 feet from the North line and 1554 feet from the West line of Section 4

Solt State Well No. 3, located 1506 feet from the North line and 1696 feet from the East line of Section 4

Solt State Well No. 3-A, located 1101 feet from the North line and 259 feet from the East line of Section 5

Solt State Well No. 10, located 1071 feet from the South line and 235 feet from the East line of Section 5

Solt State Well No. 11, located 164 feet from the South line and 138 feet from the East line of Section 5

Solt State Well No. 13, located 1048 feet from the South line and 1030 feet from the East line of Section 5

Humble State Well No. 3, located 1131 feet from the North line and 1523 feet from the West line of Section 4

all in Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.

(3) That the following-described wells be granted an allowable equal to their capacity to produce:

Levers State Well No. 3, SW/4 SW/4 of Section 4, Township 18 South, Range 28 East

Levers State Well No. 6, SW/4 SW/4 of Section 4, Township 18 South, Range 28 East

Levers State Well No. 8, NW/4 SW/4 of Section 4, Township 18 South, Range 28 East

-5-

Case No. 1185

Order No. R-952-A

Solt State Welch No. 1, NW/4 SW/4 of
Section 4, Township 18 South, Range 28 East

Cowell State Well No. 2, NE/4 SW/4 of
Section 4, Township 18 South, Range 28 East

all in Eddy County, New Mexico.

(4) That the Commission hereby retains jurisdiction of this cause to amend all or any part of this order and further to enter any order or orders deemed necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs

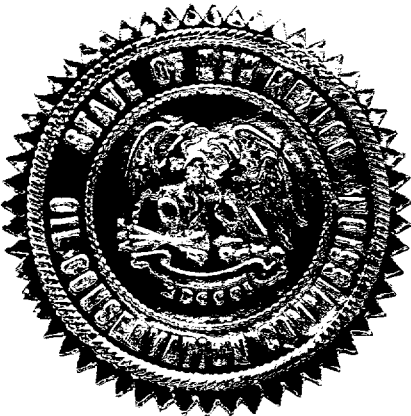
JOHN BURROUGHS, Chairman

Murray E. Morgan

MURRAY E. MORGAN, Member

A. L. Porter, Jr.

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



vem/