

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. 874
Order No. R-635

THE APPLICATION OF KEWANEE OIL
COMPANY FOR AN ORDER GRANTING
PERMISSION TO RECOMPLETE ITS
PEARL WELL NO. 22-B, LOCATED 2615
FEET FROM THE SOUTH AND EAST
LINES OF SECTION 25, TOWNSHIP 17
SOUTH, RANGE 32 EAST, NMPM, LEA
COUNTY, NEW MEXICO, IN SUCH A
MANNER AS TO PERMIT THE PRODUCTION
OF OIL FROM THE RED SAND OF THE
PEARSALL OIL POOL AND AT THE SAME
TIME PERMIT THE CONTINUED INJECTION
OF GAS INTO THE PRODUCING ZONE OF
THE MALJAMAR OIL POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on for hearing at 9 o'clock a. m. on April 20, 1955, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission".

NOW, on this 15th day of May, 1955, the Commission, having considered the testimony and the evidence adduced at said hearing, and being fully advised in the premises,

FINDS:

- (1) That due notice of the time and place of hearing and the purpose thereof having been given as required by law, the Commission has jurisdiction of this case and the subject matter thereof.
- (2) That on April 28, 1948, the Commission entered Order No. 763, in Case No. 132, granting Kewanee Oil Company permission to drill Pearl Well No. 22-B in the NW/4 SE/4 of Section 25, Township 17 South, Range 32 East, NMPM, located 2615 feet west of the east line and 2615 feet north of the south line of said Section 25, as an unorthodox location to be drilled to the Maljamar pay; that said well was drilled to a depth of 4189 feet and completed in the Maljamar pool on September 20, 1948, with an initial production of 54.7 barrels of oil per day.
- (3) That on May 1, 1952, the Commission entered Order No. R-146 in Case No. 356, granting Kewanee Oil Company permission to inject gas in the Maljamar Reservoir through Wells Nos. 22-B, 24-B and 26-B; that a gas injection program is being carried on on the Pearl Lease at the present time.

(4) That at the time Pearl Well No. 22-B was drilled, a commercial show of oil was found in the Red Sand section from approximately 3465 feet to 3515 feet and that Kewanee Oil Company desires to recomplate said well as a producing oil well in the Red Sand, and to continue to inject gas through said well into the Maljamar reservoir.

(5) That at the time Pearl Well No. 22-B was converted to a gas injection well in the Maljamar reservoir by virtue of Order R-146, said well was producing approximately 18 barrels of oil per day from the Maljamar Pool.

(6) That in recompleting said Pearl Well No. 22-B as a producing well in the Red Sand and in continuing to use said well as an injection well for the purpose of returning gas to the Maljamar Reservoir, Applicant proposes to run Gamma Ray - Neutron Survey, set a Baker Model "D" retainer production packer, blank off Baker Model "D" retainer production packer, perforate the Red Sand zone, test the Red Sand zone for oil production, sand-oil treat with sufficient volume to stimulate production, remove blanking tool from Baker Model "D" retainer production packer, run 2-inch tubing and 1-inch macaroni string with special Baker Adapter and tubing flow tube to separate producing horizons, and then produce the Red Sand zone through 2-inch tubing and inject gas through 1-inch macaroni string into the Maljamar Reservoir.

(7) That said Pearl Lease is committed to the Maljamar Cooperative Repressuring Agreement and that gas injected through Pearl Well No. 22-B will be obtained from the Maljamar Cooperative Repressuring Agreement Plant.

IT IS THEREFORE ORDERED:

1. That the Application of Kewanee Oil Company for an order authorizing it to recomplate Pearl Well No. 22-B in the NW/4 SE/4 Section 25, Township 17 South, Range 32 East, NMPM, in Lea County, New Mexico, in the Red Sand, as an unorthodox location, and to continue to inject gas through said well into the Maljamar Reservoir, in the manner hereinabove set forth, be and the same is hereby approved.

2. That, provided production is realized from the Red Sand of the Pearsall Pool, Pearl Well No. 22-B shall be granted an allowable which will be separate and distinct from that allowable granted the well located on the identical 40-acre legal subdivision, which well is producing from the Maljamar Pool.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John F. Simms
JOHN F. SIMMS, Chairman

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

W. B. Macey
W. B. MACEY, Member and Secretary



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 CON-
SIDERING:

CASE NO. 356
ORDER NO. R-146

THE APPLICATION OF KEWANEE OIL
COMPANY TO CONVERT PEARL WELLS
NOS. 22 AND 24, SEC. 25, TWP. 17 SOUTH,
RANGE 32 EAST, NMPM, AND PEARL WELL
NO. 26, W/2 SEC. 30, TWP. 17 SOUTH, RANGE
33 EAST, NMPM, MALJAMAR POOL, LEA
COUNTY, NEW MEXICO, FROM PRODUCING
OIL WELLS TO GAS-INJECTION WELLS, AND
FOR PERMISSION TO INJECT GAS PRODUCED
FROM CORBIN 'A' WELL NO. 3, NW/4 SEC. 10,
TWP. 18 SOUTH, RANGE 33 EAST, NMPM, LEA
COUNTY, NEW MEXICO, INTO THE GRYABURG-
SAN ANDRES HORIZONS OF THE MALJAMAR
POOL RESERVOIR, THROUGH PEARL WELLS
NOS. 22, 24 AND 26.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on for hearing at 9 o'clock a.m. on April 15, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 1st day of May, 1952, the Commission, a quorum being present, having considered the testimony adduced at said hearing, 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 acreage involved in the application is Federally owned, and the Supervisor of the United States Geological Survey interposes no objection to the application.
- (3) That Kewanee Oil Company is the owner and holder of Federal Oil and Gas Lease Las Cruces Serial No. 058697 (b) insofar as said lease covers the following described land in Lea County, New Mexico, to-wit:

All Sec. 25, Twp. 17 South, Range 32 East, NMPM;
Lots 1, 2, 3, and 4, E/2 W/2 Sec. 30, Twp. 17 South,
Range 33 East, NMPM, and containing 968.56 acres,
more or less,

which said lease is designated as Kewanee Oil Company's "Pearl" Lease.

(4) That a total of 27 wells, three of which are abandoned or were dry holes, have been drilled upon said lands; that each of said wells was drilled to a sufficient depth to test the Grayburg-San Andres horizons encountered from a depth ranging from 4150 feet to 4250 feet; that at the present time there are 24 producing wells on said lease, producing from the Grayburg-San Andres horizons; that the present oil production from said lease is approximately 365 barrels per day.

(5) That Kewanee Oil Company is the owner and holder of Federal Oil and Gas Lease Las Cruces Serial No. 029489 (a) insofar as said lease covers the following described land in Lea County, New Mexico, to-wit:

W/2 Sec. 10, Twp. 18 South, Rge. 33 East, NMPM,
and containing 320 acres, more or less,

which said lease is known as its Corbin "A" Lease.

(6) That there is located on Corbin "A" Lease one gas well which, although shut in at the present time, has an open-flow potential of 7,900,000 cubic feet of gas per 24 hours; that said gas well produces from the Queen sand, encountered from a depth of 4225 feet to 4327 feet.

(7) That, in accordance with the provisions of Order No. 763 and Order No. 770, Pearl Wells Nos. 22, 24 and 26 were originally drilled as unorthodox five-spot locations.

(8) That it would be in the interest of conservation, prevent waste and enable Kewanee Oil Company to obtain a greater ultimate recovery of oil and hydrocarbons if Pearl Wells Nos. 22, 24 and 26 were converted from producing wells to gas-injection wells, and gas produced from Corbin "A" Well No. 3 injected in the reservoir underlying the Pearl Lease through said three wells, as gas-injection wells.

(9) That Kewanee Oil Company does not desire the current oil allowable produced from Pearl Wells Nos. 22, 24 and 26 to be transferred to other wells on the Pearl Lease by reason of said three wells being converted from producing oil wells to gas-injection wells.

IT IS THEREFORE ORDERED:

That the Kewanee Oil Company be, and the same hereby is granted permission:

Case No. 356
Order No. R-146

(1) To convert Pearl Wells Nos. 22 and 24, in Sec. 25, Twp. 17 South, Rge. 32 East, NMPM, and Pearl Well No. 26, in the W/2 Sec. 30, Twp. 17 South, Rge. 33 East, NMPM, Maljamar Pool, Lea County, New Mexico, from producing oil wells to gas-injection wells;

(2) To inject gas produced from Corbin "A" Well No. 3, in the W/2 Sec. 10, Twp. 18 South, Rge. 33 East, NMPM, Corbin Pool, Lea County, New Mexico, into the Grayburg-San Andres horizons of the Maljamar Pool reservoir, through Pearl Wells Nos. 22, 24 and 26.

IT IS FURTHER ORDERED:

That no oil allowable produced from Pearl Wells Nos. 22, 24 and 26, be transferred to other wells on the Pearl Lease by reason of said three wells being converted from producing oil wells to gas-injection wells.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

GUY SHEPARD, Member

R. R. SPURRIER, Secretary

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