

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. 354  
ORDER No. R-179

THE APPLICATION OF GULF COAST WESTERN  
OIL COMPANY (SUCCESSORS TO C. E. WILLINGHAM)  
FOR AN ORDER GRANTING PERMISSION TO PRODUCE  
ITS T. O. MAY, WELL NO. 5, NE/4 NE/4 SECTION 34,  
TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM, LEA  
COUNTY, NEW MEXICO, IN THE PENROSE-SKELLY  
POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9:00 o'clock a. m. on April 15, 1952, May 20, 1952, June 19, 1952, and July 15, 1952, at Santa Fe, New Mexico, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this 1<sup>st</sup> day of August, 1952, the Commission, a quorum being present, having considered the records and the testimony 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 the case and the persons and subject matter thereof.

(2) That the original applicant, C. E. Willingham, has assigned his T. O. May lease, NE/4 Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, to Gulf Coast Western Oil Company.

(3) That by virtue of Commission Order No. R-103, the Commission granted permission to drill an unorthodox well to be located 1310 feet from the North and East lines of Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, to be known as the T. O. May, Well No. 5.

(4) That the proposed well was to be drilled as a test well to determine the feasibility of water flooding the producing horizon in the Penrose-Skelly Pool.

(5) That the applicant now desires to produce the well pending the outcome of negotiations between himself and offset operators for a joint water flooding project in the area.

(6) That offset operators, namely Skelly Oil Company, and Humble Oil and Refining Company have no objection to the granting of a temporary three month allowable to the well.

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IT IS THEREFORE ORDERED:

That the applicant herein, Gulf Coast Western Oil Company, be and it hereby is authorized to produce its T. O. May well No. 5, NENE Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, for a period of 3 months effective August 1, 1952.

Provided further, that the allowable assigned the well shall not exceed the normal unit allowable as set by the Commission for the Penrose-Skelly Pool.

Provided further, that at the regular monthly hearing of the Commission on October 15th, 1952, this case shall again be heard and a determination made as to the future allowable to be assigned this well.

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

STATE OF NEW MEXICO  
OIL CONSERVATION COMMISSION

*Edwin L. Mechem*

EDWIN L. MECHEM, Chairman

*Guy Shepard*

GUY SHEPARD, Member

*R. R. Spurrer*

R. R. SPURRIER, Secretary

S E A L

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. 354  
ORDER No. R-179-A

THE APPLICATION OF SKELLY OIL  
COMPANY, GULF COAST WESTERN OIL  
COMPANY, AND HUMBLE OIL AND  
REFINING COMPANY FOR AN ORDER  
GRANTING APPROVAL OF A SECONDARY  
RECOVERY PROGRAM BY WATER FLOOD-  
ING THROUGH THE INJECTION OF WATER  
INTO FIVE INPUT WELLS TO BE LOCATED  
IN SECTION 34, TOWNSHIP 22 SOUTH,  
RANGE 37 EAST, NMPM, LEA COUNTY,  
NEW MEXICO, IN THE PENROSE-SKELLY  
POOL.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 16, 1952, before the Oil Conservation Commission, hereinafter referred to as the "Commission".

NOW, on this <sup>th</sup>15 day of January, 1953, the Commission, a quorum being present, having considered the records and the testimony 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 cause and the persons and the subject matter thereof.

(2) That by virtue of Order R-103, the Commission granted permission to drill an unorthodox well to be located 1310 feet from the North and East Lines of Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, to be known as the T. O. May, Well No. 5.

(3) That by virtue of Order No. R-179 the Commission granted permission to produce the T. O. May, Well No. 5, pending the outcome of negotiations among the operators in the area for a joint water flooding project.

(4) That negotiations have now been completed among the interested parties in the area for a joint water flooding project, and that it would be in the interest of conservation if permission were granted by the Commission to revert to a secondary recovery program by water flooding.

(5) That a secondary recovery program by water injection is of an experimental nature in this particular pool, and periodic reports should be submitted to the Commission by the Petitioner disclosing its acts and doings in the matter.

IT IS THEREFORE ORDERED:

(1) That the application of Skelly Oil Company, Gulf Coast Western Oil Company and Humble Oil and Refining Company for permission to institute a secondary recovery program on leases in Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico by injecting water into five injection wells be, and the same hereby is approved.

(2) That permission is hereby granted to inject water into the following wells, said water to enter the Queen sand producing horizon of the Penrose-Skelly Pool.

Township 22 South, Range 37 East, NMPM

Gulf Coast Western Oil Company, T. O. May, No. 1, NW/4 NE/4 Section 34.

Gulf Coast Western Oil Company, Humble State, No. 1, NW/4 SE/4 Section 34.

Skelly Oil Company, H. O. Sims, No. 8, SE/4 SW/4, Section 34.

Skelly Oil Company, H. O. Sims, No. 9, NW/4 SW/4, Section 34.

Humble Oil and Refining Company, State H, No. 5, SE/4 NW/4, Section 34.

PROVIDED, HOWEVER, that in the event that the Humble Oil and Refining Company, State H, Well No. 5, does not prove feasible for use as a water injection well, Humble Oil and Refining Company is hereby granted permission to drill for water injection purposes another well in the SE/4 NW/4 Section 34.

(3) That the operators shall submit monthly reports to the Commission showing the monthly oil production and water production, and amount of water injected into the reservoir through each injection well bore.

IT IS FURTHER ORDERED:

That Gulf Coast Western Oil Company be and it hereby is authorized to produce its T. O. May, Well No. 5, NENE, Section 34, Township 22 South, Range 37 East, NMPM, Lea County, New Mexico, in lieu of the production lost by the conversion of the T. O. May, Well No. 1 to a water injection well.

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

  
R. R. SPURRER, Secretary