

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. 1897
Order No. R-1298-B

APPLICATION OF THE OIL CON-
SERVATION COMMISSION TO REQUIRE
CITIES SERVICE OIL COMPANY TO
APPEAR AND SHOW CAUSE WHY THE
USE OF DUAL-ZONE PUMPING EQUIP-
MENT SHOULD NOT BE DISCONTINUED
IN THE STATE "P" WELL NO. 3,
LOCATED 990 FEET FROM THE SOUTH
AND WEST LINES OF SECTION 32,
TOWNSHIP 22 SOUTH, RANGE 38 EAST,
LEA COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on February 17, 1960, at Santa Fe, New Mexico, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 5th day of March, 1960, the Commission, a quorum being present, having considered the testimony presented and the exhibits received 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 by Order No. R-1298-A, Cities Service Oil Company was authorized to install dual-zone pumping equipment on a one-year trial basis in its State "P" Well No. 3, located 990 feet from the South line and 990 feet from the West line of Section 32, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, said well being a dual completion in the Blinebry Oil Pool and the South Paddock Pool.

(3) That the Commission found in Order No. R-1298-A that "the effect of corrosion will be held to a minimum by the use of corrosion-resistant materials."

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(4) That when the dual-zone pump was removed from the subject well after some eight months' service, it was determined that the chrome-plated polished rod had been corroded to a substantial degree.

(5) That Cities Service Oil Company has now installed a stainless steel polished rod which the operator believes will prove to be corrosion resistant and will decrease the danger of communication between the two producing zones.

(6) That dual-zone pumping equipment in the subject well has not fully proved itself; nonetheless, its use should be permitted on a one-year trial basis, particularly since one zone of the dual completion appears to be marginal.

(7) That the applicant should conduct periodic pressure tests to ensure that communication between the two zones is not occurring. Said tests should be of a nature similar to those previously required on the subject well.

(8) That upon completion of one year's service in the well, the dual-zone pumping equipment now in the well should be removed and a complete examination made thereof, including pressure testing while the lower polished rod is in motion through the seal assembly.

Should the operator find it necessary at any time to remove the dual-zone pump from the well, the District Office of the Commission should be so notified.

If, after the present equipment has completed six months' service in the well, it should become necessary to remove the dual-zone pump from the well, a pressure test while the lower polished rod is in motion through the seal assembly should be conducted.

IT IS THEREFORE ORDERED:

(1) That the applicant, Cities Service Oil Company, be and the same is hereby authorized to continue the use of dual-zone pumping equipment, on a one-year trial basis commencing January 22, 1960, in its State "P" Well No. 3, located 990 feet from the South line and 990 feet from the West line of Section 32, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from the Blinebry Oil Pool and the production of oil from the South Paddock Pool through parallel strings of 2-inch tubing.

(2) That the Secretary-Director be and the same is hereby authorized to approve the continued use of said dual-zone pumping equipment in the subject well beyond the one-year trial period if

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it satisfactorily appears from the prescribed tests that commingling between the two separate zones is not occurring.

(3) That the District Office of the Commission shall be notified at any time within the one-year trial period if it becomes necessary to remove the dual-zone pumping equipment from said State "P" Well No. 3. Such notification shall be prior to such removal.

(4) That pressure tests identical to those previously prescribed by the Secretary-Director on the subject well shall be conducted at quarterly periods.

PROVIDED HOWEVER, That the tests required or the time interval between such tests may be changed at the discretion of the Secretary-Director if such change appears to be necessary or desirable.

(5) That upon the completion of one year's service in the subject well, the dual-zone pumping equipment shall be removed from said well and a complete examination made thereof, including pressure testing while the lower polished rod is in motion through the seal assembly. Results of such pressure test shall be submitted to the Commission.

(6) That if, after the present equipment has completed six months' service in the well, it becomes necessary to remove the dual-zone pump from the well, the test prescribed in paragraph (5) shall be conducted and the results thereof furnished to the Commission.

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