

BEFORE THE INDUSTRIAL COMMISSION
OF THE STATE OF NORTH DAKOTA

CASE NO. 1880
ORDER NO. 2099

IN THE MATTER OF A HEARING CALLED ON A MOTION OF THE COMMISSION TO CONSIDER THE APPLICATION OF CONOCO INC. FOR AN ORDER AUTHORIZING THE DISPOSAL OF COLLECTED WATER FROM OPEN SOURCES INTO THE DAKOTA FORMATION THROUGH THE DICKINSON-HEATH SAND UNIT WELL NO. 23, LOCATED IN THE SW SW OF SECTION 30, TOWNSHIP 140 NORTH, RANGE 96 WEST, STARK COUNTY, NORTH DAKOTA.

ORDER OF THE COMMISSION

BY THE COMMISSION:

Pursuant to legal notice this cause came on for hearing at 1:00 p.m. on the 19th day of May, 1980, in Bismarck, North Dakota, before Lee C. Gerhard, Trial Examiner appointed for the purpose by the Industrial Commission of North Dakota, hereinafter referred to as the "Commission."

NOW, on this 24th day of June, 1980, the Commission, a quorum being present, having considered the testimony adduced 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 no objections to this application have been received by the Commission.

(3) That the amount of water collected from open sources in the Dickinson Field exceeds that which can be disposed of by evaporation from surface pits, and in order to prevent damage to surface lands and prevent pollution of potable waters, the water should be disposed of by injection into the subsurface.

(4) That the Dakota Group in the Dickinson Field area contains natural water of sufficient salinity to be unsuitable for domestic, irrigation or livestock use.

IT IS THEREFORE ORDERED:

(1) That the Dakota Group in and under the Dickinson Field be, and is hereby designated a disposal reservoir.

(2) That Conoco Inc. is hereby authorized to dispose of produced water and water collected from open sources into the Dakota Formation through the Dickinson-Heath Sand Unit Well No. 23, located in the SW SW of Section 30, Township 140 North, Range 96 West, Stark County, North Dakota.

(3) That authorization in (2) above is given on the condition that Conoco comply with all the provisions of (6) below.

(4) That the State Geologist is hereby authorized to approve requests

to utilize individual wells in the Dickinson Field for the injection of salt water into the Dakota Group.

(5) That the State Geologist may prescribe such procedures as he deems necessary to assure compliance with all applicable rules and prevent the pollution of potable waters.

(6) That such procedures shall include, but not be limited to, the following:

(a) That the porous intervals above, and below, the proposed injection interval be properly protected by cement.

(b) That injections be through tubing and a suitable packer set, and maintained, so as to isolate the injection interval.

(c) Operations shall be conducted in accordance with all applicable rules of the Commission and any applicable rules subsequently promulgated by the Commission.

(d) Injection operations shall be suspended immediately if so directed by the office of the State Geologist and shall be subject to his constant supervision.

(e) That the amounts of water injected monthly, the source thereof, and the average injection pressure be reported to the State Geologist at the same time that crude oil production reports are submitted.

(7) That this order shall remain in full force and effect until further order of the Commission.

DONE, in Bismarck, North Dakota, this 24th day of June, 1980.

THE NORTH DAKOTA
INDUSTRIAL COMMISSION

Arthur A. Link, Governor

/s/ Allen I. Olson
Allen I. Olson, Attorney General

/s/ Myron Just
Myron Just, Commissioner of Agriculture