

SAMPLE ENHANCED RECOVERY WELL APPLICATION

BEFORE THE NEBRASKA OIL AND GAS CONSERVATION COMMISSION

IN THE MATTER OF THE APPLICATION OF _____)
(**OPERATOR NAME**) FOR APPROVAL (**TO CONVERT**)
(**TO DRILL**) THE (**NAME OF WELL(S)**, LOCATED)
(**LEGAL DESCRIPTION**), (**FIELD NAME**), _____) CASE NO. (**NOGCC ASSIGNS**)
(**COUNTY NAME**), NEBRASKA, (**TO (AN)** _____)
ENHANCED RECOVERY INJECTION WELL(S) (FOR)
USE AS (AN) ENHANCED RECOVERY INJECTION)
WELL(S), IN ACCORDANCE WITH CHAPTER 4 OF)
THE RULES AND REGULATIONS OF THE _____)
NEBRASKA OIL AND GAS CONSERVATION _____)
COMMISSION _____)

A P P L I C A T I O N

Comes now (**Operator Name**), Applicant in the above-entitled cause and herewith represents unto this Honorable Commission.

1. Applicant, (**Operator Name**), is duly authorized to transact business in the State of Nebraska, with offices being located at (**Mailing Address, City, State, Zip Code**).

2. Applicant requests approval (**to drill**) (**to convert**) the (**Name of Well(s)**, (**API #**), to Class II injection well(s) for the purpose of injecting water into the (**Name of Formation**), for the secondary recovery of crude oil. The proposed injection well(s) is/are located as follows: (**#**) feet from the (**north/south**) line and (**#**) feet from the (**east/west**) line of the (/4 /4) of Section _____, T. _____ N., R. _____ (E/W), _____ County, Nebraska.

3. Attached hereto, marked Exhibit "A", and by this reference specifically incorporated and made a part hereof, is a plat outlining and showing the following:

- a. The area within one-half mile of the proposed injection well(s).
- b. All wells, including dry, producing, abandoned or drilling wells, properly located and designated thereon.
- c. The location of the proposed injection well(s).

4. Attached hereto, marked Exhibit "B", and by this reference specifically incorporated herein and made a part hereof, is a list indicating the well name and number and owner and operator of wells within one-half mile of the proposed injection well(s).

5. The following information and data is presented as to the proposed injection well(s):

- a. The proposed injection well(s) (is/are) the Well Name(s) located as follows: (**Legal Description**), (**County Name**), Nebraska. The (**Well Name**) (was/will be) drilled to a total depth of (**# ft.**).

Surface casing (**was/will be**) set at (**# ft.**), measured from _____ and cemented to the surface with (**#**) **sacks**. Said well (**was/will be**) cased with (**type, size & weight**) casing to (**# ft.**) measured from () and cemented with (**#**) sacks. (**This/These**) injection well(s) **is/are** necessary to increase the ultimate recovery of oil from unit lands, **is/are** in the public interest, **is/are** protective of the correlative rights of all owners. (**Repeat if necessary, for multiple wells.**)

b. The maximum proposed injection pressure will be (**#**) psig. The maximum rate of injection will be (**#**) barrels per day but may increase at a later date, but is not expected to exceed (**#**) barrels per day. The fracture initiation pressure in the (**Name of Formation**) is in excess of (**#**) psig and is derived from pressures experienced during operations involving other area wells at the same approximate depth and characteristics.

c. An analysis of a representative sample of fluids to be injected is attached hereto, marked Exhibit "C", and by this reference specifically incorporated herein and made a part hereof.

d. An analysis of nearby fresh water wells is attached hereto, marked Exhibit "D", and is by this reference specifically incorporated herein and made a part hereof.

e. Copies of the well logs and the well completion report for the **Well Name(s)** are attached hereto, marked Exhibit "E", and by this reference specifically incorporated herein and made a part hereof.

f. A schematic of the **well(s)** showing total depth, casing purpose, size, specifications, setting depth and cement used, tubing and packer setting depth, injection zone and geological name of the injection zone is attached hereto, marked Exhibit "F" and by this reference specifically incorporated herein and made a part hereof.

g. A review of the wells in the area indicates, to the best of our knowledge, that no unplugged or improperly plugged wells exist within the area which would allow migration of the injection of fluids or formation fluids to enter any fresh water strata.

h. The lowest fresh water zone is the (**Name of Formation**), with the depth to the base of the fresh water zone being approximately (**#**) feet.

i. The vertical distance separating the injection zone and the base of the fresh water strata is approximately (**#**) feet. There are no known existing faults, which would allow communication between the injection zone and the fresh water strata.

6. The operator of the **Well Name(s)** injection well(s) will be the Applicant, (**Operator**), with offices located at (**City, State**); and their mailing address is (**mailing address**).

7. A geological description of the (**Name of Formation**) is that the formation consists of (**Example: quartz sandstone with medium to fine sub angular grains, well sorted and friable, consolidated with good porosity and permeability. There are occasional shale lenses interbedded**

throughout.) The (**Name of Formation**) occurs at approximately (**# feet**) to (**# feet**) in the proposed injection well. Further description of the (**Name of Formation**) is contained in Exhibit "F" attached hereto and by this reference specifically incorporated and made a part hereof.

WHEREFORE, Applicant requests that as to the approval of the proposed injection **well(s)** that this matter be set for hearing in the event that any person files a written objection to the same within ten (10) days of the filing of this application with the Nebraska Oil and Gas Conservation Commission, that notice of such hearing be given as required by law, and that upon such hearing, or without a hearing if no objection is filed, that an order be entered by the Commission approving the injection **well(s)** as aforesaid.

Dated this ____ day of _____, 20__.

Respectfully submitted,

_____, Applicant

By:

(Name of Representative)

INSTRUCTIONS: This application is used for additional injection wells, for a previously approved unit or enhanced recovery project. This is a sample application for an enhanced recovery injection **well(s)**, to be used as a guide only. Please print and re-type, including all information in bold face and underlined areas. Submit the **original** and **six copies** of the application, **and one complete set of attachments**, to: Stan Belieu, UIC Director/Staff Petroleum Engineer, Nebraska Oil and Gas Conservation Commission, PO Box 399, Sidney, NE 69162.