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## NDIC Website One-page Summary

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**Project:**        **FY20-XCII-228**

**Title:**            Drill Stratigraphic Test Well & Determine Feasibility of Central ND Geology to Safely and Permanently Store Carbon Dioxide

**Submitted By:** Midwest AgEnergy Group

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**Purpose:**        The intent of this proposed project is to provide critical information about central North Dakota geology as required to demonstrate the capacity for long term storage of carbon dioxide (CO<sub>2</sub>). Midwest AgEnergy Group along with its partners have been studying the feasibility of CO<sub>2</sub> storage in the vicinity of the Blue Flint Ethanol plant near Underwood, ND. Several feasibility-level projects have been completed with results indicating very strong potential for sequestration in the vicinity of the plant. The intent of this phase of the project is to complete a stratigraphic test well. Drilling this well will enable collection of core samples of the formations currently believed to be suitable injection zones. The data collected from the test well will provide the final pieces of information needed to model and simulate CO<sub>2</sub> storage with a high degree of accuracy and confidence. Results of the project are expected to clearly define the porosity and permeability of target formations and their capacity to safely sequester CO<sub>2</sub>.

**Duration:**        12 months

**Participants & Cost Share:**

Midwest AgEnergy	\$3,568,000
NDIC	<u>\$3,388,000</u>
Total	\$6,956,000

**Project Deliverables:**        Status Report