

Oil & Gas Research Program- Grant Round 62- Application Summaries						
Application Number	Application Title	Applicant	Project Duration	Summary of Project	Funding Requested	Total Project Cost
G-62- B	ElectroGrow Methane Liquefaction	Calvin Liu	6 Months	This project develops a technology to convert natural gas into propane for use in enhanced oil recovery (EOR) applications. The goal is to improve oil recovery from Bakken shale formations while creating beneficial use for natural gas produced in North Dakota.	\$614,516	\$809,423
G-62-C	ElectroGrow Methane2Propane	Calvin Liu	10 Months	This project advances a technology that converts natural gas into higher-value oil to reduce flaring, increase the value of stranded natural gas, and support continued oil production in North Dakota. The project will demonstrate the technology under field conditions to accelerate commercial deployment.	\$720,890	\$1,095,218
G-62-D	Development of Next-Generation Carbon Capture Technologies for Efficiency Improvement and Cost Reduction	University of North Dakota Energy & Environmental Research Center	12 Months	This project enhances the Energy & Environmental Research Center's carbon capture test center to accelerate the development and evaluation of advanced carbon capture technologies. The goal is to support lower-cost carbon capture, increase carbon dioxide supplies for enhanced oil recovery, and advance commercial deployment in North Dakota.	\$375,000	\$6,095,833
G-62-H	Enhanced Oil Recovery and Advanced Completion Design for Tight Carbonate Reservoirs in Western North Dakota	Cobra Oil & Gas	21 Months	This project evaluates enhanced oil recovery and advanced completion methods to increase oil production from tight carbonate reservoirs. The goal is to optimize recovery in the Stoneview Field and develop strategies that can be applied to similar reservoirs across the Williston Basin, including the Bakken.	\$5,000,000	\$10,000,000

G-62-I	Bakken Production Optimization Program (BPOP) 5.0	Energy & Environmental Research Center (EERC)	24 Months	This project continues the Bakken Production Optimization Program (BPOP) 5.0) to develop and demonstrate technologies that improve oil production, expand enhanced oil recovery (EOR), reduce flaring and methane emissions, optimize well completions, and lower the carbon intensity of Bakken operations. The program combines laboratory research, field demonstrations, reservoir characterization, and advanced data analytics to support the long-term, sustainable development of North Dakota's Bakken resources.	\$6,000,000	\$12,030,206
G-62-L	Large-Scale Hydrocarbon Gas Injection EOR Pilot to Inform Future CO2 EOR in the Bakken	Chord Energy	24 Months	This project supports the Bakken CO ₂ EOR and Storage Field Laboratory by providing additional resources to complete a field pilot demonstrating the commercial viability of enhanced oil recovery (EOR) in the Bakken Formation. Due to limited CO ₂ availability, the pilot will primarily use hydrocarbon injectants to generate data that can be calibrated to predict CO ₂ EOR performance. The project will advance field testing, modeling, and infrastructure development to support future commercial-scale hydrocarbon and CO ₂ EOR operations in North Dakota.	\$13,998,200	\$38,632,967
G-62-M	Williston Basin Resource Optimization: Large-scale Miscible Gas Huff n Puff EOR Pilot in Continental's Dunn County Acreage-Roadrunner/Clover Pad	Continental Resources	42 Months	This project will pilot intermittent gas injection (miscible gas Huff n Puff) enhanced oil recovery (EOR) in the Bakken and Three Forks formations to evaluate its ability to increase oil production after primary development. The pilot will test four wells in Dunn County and assess gas injectivity, containment, injection	\$8,771,905	\$26,889,228

				efficiency, oil recovery, and the potential for commercial-scale deployment. The project will also optimize gas cycling and evaluate advanced technologies, such as gas-foam cycling, to improve EOR performance.		
G-62-N	A Multi-Well, Multi-Zone Enhanced Oil Recovery Project Utilizing Produced Natural Gas in Williams County- Durant Pad	Continental Resources	2 to 4 Years	This project will evaluate intermittent gas injection (Huff n Puff) enhanced oil recovery (EOR) in up to four wells on Continental Resources' Durant Pad in Williams County. The pilot will assess the effectiveness of miscible gas injection for increasing oil recovery in the Bakken and Three Forks formations by evaluating gas injectivity, containment, injection efficiency, and scalability. The project will also optimize gas cycling and may incorporate advanced technologies, such as gas-foam cycling, to improve EOR performance and support future commercial deployment.	\$9,836,905	\$29,918,810
G-62-O	Proposal for a Surfactant-Based EOR Pilot Testing Program	Devon Energy Corporation	24 Months	This project will evaluate surfactant-based enhanced oil recovery (EOR) in the Williston Basin through laboratory testing followed by a field pilot. Laboratory studies will identify the most effective surfactant formulation, which will then be tested in three wells targeting the Middle Bakken and/or Three Forks formations. The project aims to increase oil recovery, optimize operational parameters, and demonstrate a scalable approach for broader EOR deployment in North Dakota.	\$1,535,000	\$3,370,000