Technical Reviewers' Rating Summary

Proposal Number G-62-N Application Title Bakken Resources Development Submitted By Continental Resources Request For $9,836,905.00 Total Project Costs $29,918,810.00

Section A. Scoring

Statement	Weighting Factor	G-62-N1	G-62-N2	G-62-N3	Average Weighted Score
1. Objectives	9	**5**	**5**	**4**	**36**
2. Achievability	7	**4**	**5**	**4**	**28**
3. Methodology	8	**5**	**5**	**5**	**40**
4. Contribution	8	**5**	**5**	**5**	**40**
5. Awareness / Background	5	**5**	**4**	**5**	**20**
6. Project Management	3	**5**	**5**	**5**	**15**
7. Equipment / Facilities	2	**5**	**5**	**4**	**8**
8. Value / Industry - Budget	4	**5**	**5**	**5**	**20**
9. Financial Match - Budget	4	**5**	**4**	**5**	**16**
Average Weighted Score		**243**	**241**	**232**	**238**
	Total: 50				**250 possible points**

OVERALL RECOMMENDATION

FUND	**X**	**X**	**X**
FUNDING TO BE CONSIDERED			
DO NOT FUND			

Section B. Ratings and Comments

1. The objectives or goals of the proposed project with respect to clarity and consistency with North Dakota Industrial Commission/Oil and Gas Research Council goals are:

   The proposal clearly outlines the goal of evaluating cyclic miscible gas injection (Huff n Puff) to enhance oil recovery in the Bakken and Three Forks formations. It aligns directly with NDIC/OGRC goals of increasing recovery efficiency, extending field life, and supporting carbon-neutral initiatives.
   - Reviewer: G-62-N1
   - Rating: 5

   The objectives of this project are exceptionally clear. The expected result of the project (100,000 barrels of incremental oil per well) is very helpful to assess the overarching benefit to industry and North Dakota.
   - Reviewer: G-62-N2
   - Rating: 5

   The objectives of this proposal align almost perfectly with the legislative intent in SB 2014
   - Reviewer: G-62-N3

- Rating: 4

2. With the approach suggested and time and budget available, the objectives are:

   The approach is technically sound and supported by prior pilot experience. The timeline (42 months) and budget (~$29.9M) are realistic for the scope. The phased implementation and use of advanced modeling (ResFrac) increase confidence in achieving the objectives.
   - Reviewer: G-62-N1
   - Rating: 4

   The timelines are certainly achievable as Continental has put forth in the application. The extended huff n puff timeline is of considerable importance to get a solid understanding of the incremental production through each of the 3 huff n puff cycles.
   - Reviewer: G-62-N2
   - Rating: 5

   The applicant has extensive experience operating similar projects one of which was nearby. The proposed timetable and budget are based on that experience. They are realistic and will deliver some early results during the 2027 legislative assembly.
   - Reviewer: G-62-N3
   - Rating: 4

3. The quality of the methodology displayed in the proposal is:

   The methodology includes detailed reservoir modeling, tracer studies, pressure interference testing, and potential gas-foam cycling. The use of modern completions and infrastructure optimization reflects a high level of technical planning.
   - Reviewer: G-62-N1
   - Rating: 5

   The methodology put forth in the application is on point. Everything from the screening criteria, the previous EOR project, implementation of the knowledge from the previous project, modelling, the detailed scope of work, to the uplift expectation all points to a well thought out plan and methodology.
   - Reviewer: G-62-N2
   - Rating: 5

   The applicant is leveraging lessons learned from previous projects to design an improved project methodology that increases the probability of success.
   - Reviewer: G-62-N3
   - Rating: 5

4. The scientific and/or technical contribution of the proposed work to specifically address North Dakota Industrial Commission/Oil and Gas Research Council goals will likely be:

   The project could unlock 100,000 barrels of incremental oil per well and inform broader EOR deployment across 770+ locations in Williams County. It supports ND’s goals of maximizing resource recovery and reducing environmental impact.
   - Reviewer: G-62-N1
   - Rating: 5

   A successful outcome of this project has the potential to add billions of barrels of additional production. The significance of EOR projects can't be overstated. The types of projects that Continental is putting forth in the application is needed as the unconventional reservoirs start to shift from primary development to enhanced recovery as inventory becomes more scarce through the years. Gaining an understanding earlier rather than later can help to improve EOR

in unconventional reservoirs before inventory is exhausted.
- Reviewer: G-62-N2
- Rating: 5

The scientific and technical information from this project will lead to large scale implementation of Bakken and Three Forks EOR or at a minimum greatly improved future research projects. Project success will mean decades of additional oil and gas production in the state.
- Reviewer: G-62-N3
- Rating: 5

5. The background of the principal investigator and the awareness of current research activity and published literature as evidenced by literature referenced and its interpretation and by the reference to unpublished research related to the proposal is:

   The team includes industry veterans with over 140 years of combined experience. The proposal references prior pilots, published modeling techniques, and collaborative workshops with other operators (e.g., Occidental), demonstrating strong awareness of current research.
   - Reviewer: G-62-N1
   - Rating: 5

   Continental has experience with EOR (in the Bakken as well as other basins) and they are benchmarking themselves against their peers. The knowledge gained from the past Bakken EOR lends itself to designing another EOR project that accounts for the lessons learned.
   - Reviewer: G-62-N2
   - Rating: 4

   The applicant has extensive experience in the area of this research project and can leverage lessons learned from its nearby project to greatly increase the probability of success.
   - Reviewer: G-62-N3
   - Rating: 5

6. The project management plan, including a well-defined milestone chart, schedule, financial plan, and plan for communications among the investigators and subcontractors, if any, is:

   The proposal includes a detailed timeline, milestone chart, and operational plan. It outlines safety protocols, SCADA monitoring, and communication strategies among field teams and engineering staff.
   - Reviewer: G-62-N1
   - Rating: 5

   Everything is put forth in a detailed way that is easy to understand and follow.
   - Reviewer: G-62-N2
   - Rating: 5

   The project plans are based on recent experience with similar projects and include using some existing infrastructure from a nearby project.
   - Reviewer: G-62-N3
   - Rating: 5

7. The proposed purchase of equipment and the facilities available is:

   Equipment purchases and leases (compressors, separators, line heaters) are clearly tied to project needs. Facility upgrades are necessary for high-pressure injection and increased gas production during puff cycles.

- Reviewer: G-62-N1
- Rating: 5

Continental was very detailed and thorough in the explanation for equipment, well work, and facilities. All of this is justified with this type of EOR project.
- Reviewer: G-62-N2
- Rating: 5

This proposal is based on a recent nearby project. The budget avoids NDIC purchase of gas for injection. I would like to see NDIC and applicant funds redistributed to reduce NDIC equipment/CAPEX purchases /ownership and increase NDIC share of equipment leases and OPEX.
- Reviewer: G-62-N3
- Rating: 4

8. The proposed budget “value”1 relative to the outlined work and the commitment from other sources is of:

Continental is contributing ~$9.3M in-kind (gas purchase) and additional cash, covering nearly two-thirds of the total cost. The budget is well-structured and reflects high value for the technical outcomes expected.
- Reviewer: G-62-N1
- Rating: 5

This project shows exceptionally good value. Field implementation of modeling or lab testing is needed in order to asses and modify for continued technical and economic improvement.
- Reviewer: G-62-N2
- Rating: 5

The availability of equipment and lessons learned from the previous nearby project accelerate the project timeline and provide a very robust budget outline.
- Reviewer: G-62-N3
- Rating: 5

9. The “financial commitment”2 from other sources in terms of “match funding” have been identified:

The proposal meets and exceeds the 50% match requirement. Continental’s in-kind and cash contributions, along with DOE support, demonstrate strong industry commitment and reduce reliance on NDIC funding.
- Reviewer: G-62-N1
- Rating: 5

Continental is contributing ~2/3rd of the financial commitment, while they are asking for ~1/3rd commitment from the NDIC-OGRP.
- Reviewer: G-62-N2
- Rating: 4

The availability of equipment from the previous nearby project and the financial position of the applicant provide a very robust matching fund budget.
- Reviewer: G-62-N3
- Rating: 5

1 “value” – The value of the projected work and technical outcome for the budgeted amount of the project, based on your estimate of what the work might cost in research settings with which you are familiar. A commitment of support from industry partners equates to a higher value.

2 “financial commitment” from other sources – A minimum of 50% of the total project must come from other sources to meet the program guidelines. Support less than 50% from Industrial Commission sources should be evaluated as favorable to the application; industry partnerships equates to increased favorability.

General Comments

The G-62-N proposal is a highly compelling and well-developed application for Enhanced Oil Recovery research. It demonstrates: Strong alignment with NDIC/OGRC goals. Technical excellence in methodology and modeling. Robust project management and operational planning. Exceptional team qualifications and industry collaboration. High financial commitment from Continental and other sources. The proposal addresses key challenges in unconventional reservoir recovery and offers scalable solutions with significant economic and environmental benefits for North Dakota. It is recommended for full funding consideration.
- Reviewer: G-62-N1

Continental has put forth a very detailed and thought out approach to their project that is backed by technical rigor, previous Bakken EOR experience, and a strong plan to achieve the objectives set forth in the application. Again, these projects are crucial to the next phase of unconventional oil and gas production. More explanation surrounding the sourced gas (1,100 btu/mscf) and why it was chosen, would have been helpful as well as any miscibility testing done with other EOR substances (ethane, propane, CO2, etc.) and the results. All in all, a very solid project underpinned by a high degree of technical application.
- Reviewer: G-62-N2

The applicant has the knowledge, experience, and scalability to greatly increase the probability of success with this project. The location of the proposed project allows the use of existing infrastructure and equipment. The applicant should provide more information about how this project differs from the previous nearby project, what lessons were learned from previous projects, and how that increases the probability of success.
- Reviewer: G-62-N3