

“Program to Determine the Uniqueness of Three Forks Bench Reserves, Determine Optimal Well Density in the Bakken Pool, and Optimize Bakken Production”

Submitted by:

Energy & Environmental Research Center

Participants: EERC, Continental Resources, Marathon Oil Company, and Whiting Petroleum Corp.

❑ Request for \$8,00,000; Total Project Costs \$115,230,000

❑ Duration: 36 Months

PROJECT DESCRIPTION

- The goal of the proposed program is to maximize oil and gas production from Bakken/Three Forks wells while simultaneously reducing its environmental footprint through investigating new technologies and approaches to decrease recovery costs, reducing gas flaring and expanding value-added processing. This approach will include advanced reservoir characterization, improved drilling/stimulation/completion/production techniques and sequences, optimizing wellsite surface operations that have potential to reduce costs, development and operation impacts to surrounding landowners, and demands on surrounding infrastructure and water sources.

TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			<u>Average</u>
Rating	Weighting	<u>28-01A</u>	<u>28-01B</u>	<u>28-01C</u>	<u>Weighted</u>
<u>Category</u>	<u>Factor</u>				<u>Score</u>
Objectives	9	3	4	4	27
Availability	7	3	4	4	21
Methodology	8	5	5	4	32
Contribution	8	5	4	4	32
Awareness / Background	5	4	5	5	20
Project Management	3	3	4	5	12
Equipment / Facilities	2	4	4	4	8
Value / Industry-Budget	4	5	4	5	16
Financial Match – Budget	4	5	4	5	16
<i>Average Weighted Score</i>		205	213	216	211
<i>Maximum Weighted Score</i>					250

TECHNICAL REVIEWER TOTALS

⦿ G-030-06A

Average Weighted Score: 205 out of 250

FUND

⦿ G-030-06B

Average Weighted Score: 213 out of 250

FUND

⦿ G-030-06C

Average Weighted Score: 216 out of 250

FUND

DIRECTOR'S RECOMMENDATIONS

☐ To fund in the amount of \$8,000,000

An additional discussion/consideration item is the potential for ongoing internships with students from the University of North Dakota for the duration of the project.