

# “Investigation of Improved Conductivity and Proppant Applications in the Bakken”

Submitted by:

**Energy & Environmental Research Center**

**☐ Request for \$150,000; Total Project Costs \$332,432**

# PROJECT DESCRIPTION

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- The goal of the project is to improve the lateral and vertical drainage of hydrocarbons from the Three Forks and Bakken Formations by identifying the factors that lead to the collapse of propped fractures. Laboratory testing is proposed to determine whether more durable fracture conductivity can be achieved in the Bakken by altering the fracturing fluids, proppant types, and proppant concentrations.

## TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			<b><u>Average</u></b>
Rating	Weighting	<b><u>23A-01</u></b>	<b><u>23A-02</u></b>	<b><u>23A-03</u></b>	<b><u>Weighted</u></b>
<b><u>Category</u></b>	<b><u>Factor</u></b>				<b><u>Score</u></b>
Objectives	9	4	4	4	36
Availability	7	4	3	3	21
Methodology	8	4	3	4	24
Contribution	8	4	4	3	24
Awareness / Background	5	5	4	3	20
Project Management	3	5	3	3	9
Equipment / Facilities	2	5	3	4	8
Value / Industry-Budget	4	4	4	4	16
Financial Match – Budget	4	4	3	3	12
<i>Average Weighted Score</i>		<b>210</b>	<b>176</b>	<b>173</b>	<b>186</b>
<i>Maximum Weighted Score</i>					<b>250</b>

# TECHNICAL REVIEWER TOTALS

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- 23A-01

Average Weighted Score: **210 out of 250**

**FUND**

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- 23A-02

Average Weighted Score: **176 out of 250**

**FUND**

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- 23A-03

Average Weighted Score: **173 out of 250**

**FUND**

# DIRECTOR'S RECOMMENDATIONS

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## Recommendation:

**To fund in the amount \$150,000**