"Improved Directional Drilling Technology for the Bakken Formation"

Submitted by:

Laserlith Corporation

- **Request for $500,000**
- **Total Project Costs $1,039,346**

Project Description

- The project intent is to increase the efficiencies of horizontal drilling through a redesign of horizontal drilling tools by including the use of miniature gyroscopes in the drilling assemblage. In principle, miniature MEMS gyroscopes enable the directional sensor to be positioned next to the drill bit. The benefit is more accurate navigation and significant time savings.

TECHNICAL REVIEWERS' RATING SUMMARY

		Technical Reviewer			**Average**
Rating	Weighting	**24-07**	**24-08**	**24-09**	**Weighted**
Category	Factor				**Score**
Objectives	9	2	3	4	27
Availability	7	2	2	3	14
Methodology	8	4	4	3	24
Contribution	8	4	2	4	24
Awareness / Background	5	3	3	2	10
Project Management	3	3	4	2	9
Equipment / Facilities	2	4	3	2	6
Value / Industry-Budget	4	4	3	3	12
Financial Match – Budget	4	3	3	4	12
Average Weighted Score		**156**	**146**	**161**	**154**
Maximum Weighted Score					**250**

Technical Reviewer Totals

- 24-07

Average Weighted Score: **156 out of 250**

FUNDING TO BE CONSIDERED

- 24-08

Average Weighted Score: **146 out of 250**

FUNDING TO BE CONSIDERED

- 24-09

Average Weighted Score: **161 out of 250**

FUNDING TO BE CONSIDERED

Director's Recommendations

Recommendation:

To fund in the amount of $200,000

1. **Amount funded within the first phase $200,000**
2. **Excellent potential to create jobs**
3. **Difficult to measure direct cost savings**
4. **Limited cash match from industry**
5. **$400,000 represents 10% of the biennial budget**