

Enhanced Oil Recovery Institute (EORI)

Call for Projects for Wyoming Reservoir Test Data Acquisition Program: Paraffin and Scale Mechanical Treatment Study

Issued by:

Enhanced Oil Recovery Institute

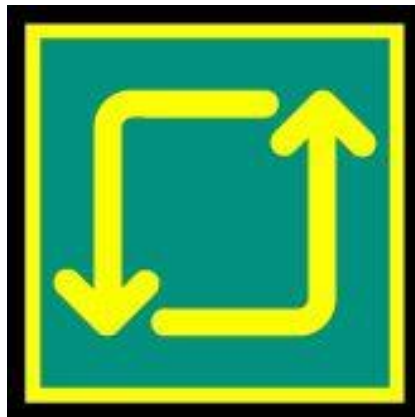
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Copies of this call for projects is available from EORI at
<http://eoriwyoming.org/>

Call for Projects

1. INTRODUCTION

The Enhanced Oil Recovery Institute (EORI) or “Institute” was created by the Wyoming Legislature with the intent to backfill the vacuum left during the oil market depression in the 1970’s and 1980’s. The expectation is that the Institute will provide the oil and gas engineering, geology, and economics research that used to be provided by the major oil companies who at the time had staffs located in Wyoming. With the downturn of the industry and the retraction of the majors to locations like Denver, Oklahoma City, Houston, and Bakersfield, there was a lack of technical expertise in the state of Wyoming to support the much relied upon hydrocarbon extraction industry.

EORI provides these services in cooperation with the School of Energy Resources (SER) at the University of Wyoming. In order to be closer to the oil and gas producers as well as the service industry that supports the oil and gas producers, the Institute is centered in Casper. This allows for the continued collaboration with researchers and assets on campus in Laramie while at the same time engaging with the producers and their support industry in Casper and across Wyoming at the wellhead. The Institute has made several significant changes over the last couple of years including centralizing operations in Casper, and pivoting to more data analytics in pursuit of the Institute’s mission and legislative mandate.

The mission of the Institute is to facilitate a meaningful and measurable increase in recoverable reserves and production of oil and natural gas in Wyoming that may otherwise not be realized. Key to this is the effective and efficient transfer of relevant technology, information and knowledge to Wyoming producers. EORI believes that its mission is being met when producers consider EORI as a vital source of relevant technology, information, expertise and knowledge for Wyoming fields. The mission is accomplished through a variety of interactions, engagements, and projects with Wyoming operators and Stakeholders throughout the life-cycle of oil and gas production, focusing on the Improved Oil Recovery aspect of hydrocarbon production, and specifically this Wyoming Reservoir Pilot Test Data Acquisition Program (WRPTDAP).

2. PROGRAM OBJECTIVES

This program is designed to acquire real world Wyoming reservoir operating data in partnership with various technology vendors and Wyoming operators. This data will be used by the Institute’s research, engineering and geology staff to analyze Wyoming reservoirs and technologies to suggest improved, economic methods for recovering more stranded oil and gas, which is at the heart of the Institute’s mission and legislative mandate.

The Institute is a publicly funded agency and therefore all results (analysis) of this program are subject to the public domain and therefore available to all Wyoming oil and gas operators and stakeholders. Direct operating data may be protected via a Memorandum of Understanding (MOU) but results of analysis will be published.

The program contemplates providing up to \$15,000 to secure real world data sets matching the Institute’s requirements provided herein. The Institute contemplates providing these funds on a first come, first served basis.

3. APPLICANT ELIGIBILITY AND QUALIFICATIONS

This program is open to all oil and gas operators and oil and gas industry vendors doing business in the State of Wyoming producing oil and gas from reservoirs in the state.

4. DATA OF INTEREST/REQUIREMENTS

The objective is to test the effectiveness of scrapers, brushes or other mechanical tools on paraffin and scale removal from within wellbores. Pre- and post-workover production and fluid levels will be used to measure tool effectiveness.

Requirements

- Wells are treated with a scraper, brush or other mechanical tool for paraffin and/or scale mitigation. Subject well must have a history of paraffin and/or scale. Information and specs on the particular tool used will be provided to EORI.
- The well is returned to production in kind. The artificial lift type remains the same, i.e., rod pump will be RTP on rod pump. Pump size will remain the same, i.e., a 1.25" rod pump will be replaced with a 1.25" rod pump. The pump setting depth will remain the same pre and post workover.
- Well production may be measured independently.
- Production may not be comingled and/or allocated.
- The operator will provide EORI daily workover reports summarizing the work performed for subject well.
- The operator will provide EORI historical workover reports and or paraffin/scale treatment history (ideally the prior five years) for subject well.
- The operator will provide EORI a minimum of six months pre-treatment production including oil, water gas and fluid levels. If there is no fluid level history, a fluid level(s) must be obtained prior to workover.
- The operator will provide EORI post-treatment production history including oil, water, gas and fluid levels (minimum, weekly production numbers and a monthly fluid level) for three months following the treatment.
- Any feedback, observations, or comments regarding the treatment are encouraged.

5. AWARD AMOUNTS AND PROJECT PERIOD

Project applicants may request up to \$750/well from EORI for the purchase of data sets adhering to the requirements in Section 4. There is no specified individual project limit and the program may be expanded or extended beyond the current amount, based on availability of funds.

6. APPLICATION FORMAT

The required application format is provided in Attachment 1: Application. The applicant is required to provide the required protocols/requirements.

7. REVIEW PROCESS AND EVALUATION CRITERIA

A. Review Process

Applications will be reviewed and evaluated as they are received. The evaluation will occur by the Technical Lead, Sean Terchek, Petroleum Engineer. Negotiations of scope may be necessary based on availability of funds or clarification as needed.

8. INTELLECTUAL PROPERTY

The Enhanced Oil Recovery Institute will make no claims for intellectual property.

9. CONTACT INFORMATION

Applicants are required to submit an electronic copy of the required proposal format to EORI Technical Lead, Sean Terchek (sterchek@uwyo.edu) for consideration. If you have any questions or require additional information, you may reach the Institute at 307-315-6441 or Sean directly at 307-314-6454.

Attachment 1: Application

**UW – EORI Statement of Work
For Services and Data**

Operator Information

Name: _____
 Address: _____

 E-mail: _____
 Phone: _____

I. Work to be performed – please include deliverables, beginning and ending service dates and requirements for when and where work is to be performed.

II. Compensation for services – please include details as to frequency of payment, invoice requirements and breakdown of payment (services, expenses, materials, etc.)

Description	Amount
_____	_____
_____	_____
_____	_____
Total payment	_____

By signing below, I certify that the above is an accurate description of the work that is to be performed for the University of Wyoming and the agreed upon compensation and agree to the General Terms & Conditions found at: <http://www.uwyo.edu/procurement/>. If the work involves a subcontract under the U.S. Government Prime Contract, by signing below, I agree to the University’s Special Terms & Conditions found at: http://www.uwyo.edu/procurement/_files/docs/federal-terms-cond-12-22-14.pdf.

Signature of operator: _____ Date: _____

Printed name of operator: _____