



MEETING MINUTES

September 27, 2024 – 1:00 PM
Hole in the Wall, Kaycee, Wyoming

Commission Members Present

Robert King, Chairman
Erin Campbell, State Geologist
Chad Brister, Vice Chairman
Eli Bebout
Don Burkhart

Commission Members Via Zoom

Ken Hendricks
Nolan Rap, Natural Resources Advisor Governor's Office

Commissioner Excused

Dave True

Commission Staff Present via Zoom:

Stephanie Sneesby, Assistant Attorney General

Guests Present:

Peter Wold

Guests Present Via Zoom

Elio Dean, Chief Technology Officer with XOil
Esther Wagner, University of Wyoming School of Energy Resources
Eric Robertson
Pete Obermueller

Enhanced Oil Recovery Institute Staff Present:

Lon Whitman, Director
Roger Hillibush, Deputy Director

Enhanced Oil Recovery Institute Staff Present via Zoom:

Gabe Tullis

I. Call to Order

****1:01 PM Chairman King called the meeting to order; roll was taken and a quorum was established.** A motion was made by Chairman King to approve the Agenda. Commissioner Hendricks seconded and the agenda was approved.

Chairman King: First of all, to Peter Wold, for those of you who may not know some of the history of the enhanced Oil Recovery Commission, we were set up in 2004. Peter was one of the original commissioners, and he was the chairman, the second chairman from 2007 through 2012.

Senator Bill Hawks was the first chairman, but Peter was our second chairman and did what I think was an outstanding job in getting the commission running and the Enhanced Oil Recovery Institute off to a good start. So again, thank you for your service, Peter, and thank you for hosting our meeting. I really appreciate it.

II. Minutes

Motion: Commissioner Bebout moved to approve the minutes from June 19, 2024 Enhanced Oil Recovery Commission (EORC) meeting as published. Commissioner Brister seconded. Motion passed unanimously.

III. Director's Report

Director Whitman started with EORI's mission and focus to put Oil in the Tank. Emphasis was put on team unity and collaborative work with Wyoming operators. Director Whitman will be presenting with Rob Krieger, Executive Director of the Wyoming Energy Authority, to the Joint Minerals Interim Committee about CO₂ pipelines and avenues for the state to incentivize CO₂ pipeline development.

A request for a supplemental budget increase to fill two needed staff positions, that of Manager of Strategic Operations and Office Assistant, will be made at the Governor's Budget Hearing on October 10, 2024 at 11:30am. Commissioner Bebout questioned why there was a need for the supplemental budget request. Director Whitman responded that in 2019 there were budget cuts at the state level and EORI is still operating well below the 2019 budget and this supplemental budget request will allow EORI to fill two essential positions. Director Whitman will work with Gabe Tullis to determine what the difference between the 2019 budget and our current budget is so that those numbers are available to the commissioners and for the budget hearing.

Paul Davis was welcomed August 1, 2024 to the EORI team as a senior Geologist. The search is ongoing for a senior Petroleum Engineer to replace Eric Robertson. Commissioner Bebout questioned the UW hiring process and the procedures and impacts that has on the EORI hiring processes. Deputy Director Hillibush explained the salary matrix that he developed to show what national and local salaries are so the EORI can justify the salaries offered are in line with the going rates. An Excel spreadsheet was provided and discussed. Commissioner Campbell cautioned the use of state salary equivalencies as the state tends to be lower than what is listed.

Project work continues on the Wyoming CO₂ Initiative. Brian Jeffries has developed a more comprehensive narrative for the development of the WPCI report. Matt fry is peer reviewing the report now.

The CO₂ EOR projects are developing. The Minnelusa three field cluster with TR operating is advancing. TR Operating does have an LOI with ExxonMobil for CO₂ delivery that is waiting for signatures. EORI is

reviewing the geology for Raven Creek field. A 3D seismic shoot will be incorporated into the geology review as well. This seismic data will also be beneficial to the regional 3D work that EORI is currently working on.

South Glenrock B Unit is being monitored by EORI for continuing development. Commissioner Bebout questioned the progress there. Director Whitman mentioned that development is dependent on an agreement with Exxon for CO₂ or capture of CO₂ at Dave Johnson with the 8 Rivers and Rocky Mountain Power Capture Project.

There is a new project with Juno Energy for a two-field project that involves the Shannon and Frontier formations. Juno would like to pursue CO₂-EOR in both fields. EORI will work with Randi Martensen as consultant for the geology work in those fields. The potential is for well over 125 million barrels recoverable oil with this project.

The six well Hartzog Draw project is cancelled due to the pending sale of the field by Exxon.

Kitty Field Sequence Stratigraphy and Regional Muddy Study is ongoing. Piri Tech will be completing a core study in December 2024 that will lead to a better brine development for water flooding the Muddy formation.

The NGL EOR pilot project is advancing. Steve Whitaker and Shuiquan Li have been busy on this project. Elio Dean will present more information on this project later in the meeting. This project is in partnership with Sunshine Oil, Surtek and XOil at the Skull Creek field. Jiggs Thompson Field is also using NGL's for opening near well bore blockages. EORI is completing the reservoir mapping and NGL injection is to begin in September 2024. There is additional interest in NGL injection from two other operators.

The eight field, now nine field, Minnelusa regional 3D seismic study advances. There are several operators, nine fields that are included in the study with John Fredrick and Steve Whitaker.

The DOE projects are all advancing according to schedule. All these projects will be completed in 2025. Tight Oil will have final results and reports by July 2025. Developing CO₂-EOR and Associated Storage Within the Residual Oil Zone Fairways of the Powder River Basin will have final reports December 2025. WY Trails Carbon Hub-CO₂ Pipeline Feed Study will have final reports in March of 2025. Going forward EORI will not pursue leading any DOE grant work but will be happy to provide support to SER on DOE grants they are working on.

EORI's RFP program is moving forward. The Polymer Cost-Share Pilot Project with Merit Energy has had some rather astounding results. Merit will share the results in the next EOR Insights, November 13, 2024. The polymer has been used for water control issues and has been rather successful in plugging holes in casing without having to pull casing, which is particularly beneficial in older wells. The Microbial EOR project is likely cancelled as Lost Soldier/Wertz Field is up for sale by the operator.

There are two or three upcoming RFP projects that are in development and there will be news on them in the fourth quarter meeting of 2024.

IV. IT Data Technology Highlights

Deputy Director Hillibush presented on EORI Website work that is ongoing. EORI has completed the update of the library section. New summaries and tags for better search functionality are 95% complete now. New web pages for the Wyoming Pipeline Initiative and Pipeline Services are in development.

WYRIT is advancing and is currently out for testing with internal groups and is going well. The rest of the data collection and curating is ongoing and proceeding well.

The IT update of the conference room is complete. There is state-of-the-art equipment and software now. All that remains to be completed is the addition of acoustic paneling to improve sound quality in the room. This should be installed by the end of October 2024.

V. Engagement

Director Whitman discussed the last EOR Insights will be held July 17, 2024, 8 to 9 am at True Commons. Tom Kropatsch presented an "Update on Wyoming's Oil and Gas Activity". This was very well received with an engaging and informative question and answer period. The next EOR Insights will be held on November 13, 2024. Merit Energy and Polymer Technologies will be presenting "Using Polymers for Water Control and Casing Leak Repairs" at True Commons.

EORI is developing new EORI fact sheets and advertising material to be used during conferences. EORI attended the PAW conference in August 2024. Director Whitman will be presenting an overview of EORI and CCUS projects in Wyoming, including the WPCI, at the NASEO Annual Meeting on September 30, 2024.

VI. Financial Report

A new summary report of the financials has been developed by Gabe Tullis with the help of Vice Chairman Chad Brister. This summary shows a clear and complete look at each department without going into the details, which are still included in the subsequent financial reports. Commissioner Bebout requested clarification of the location of the \$2.2 million one-time EORI fund. Director Whitman stated that the fund is in a separate account held at UW. Commissioner Bebout asked about the process for selecting projects for the use of the money. Director Whitman replied that there will be an internal review then on to certain applicable TAB members and then on to the EORC Chairman and Vice Chairman.

VII. Project Deep Dive

Elio Dean of XOil presented NGL's in the Oil Field.

VIII. Political Overview

Pete Obermueller gave an overview of the current political climate in Wyoming.

IX. A Perspective on EORI

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Eric Robertson, former Senior Petroleum Engineer at EORI gave a perspective on his time at EORI and what enticed him to leave EORI.

X. Executive Session

No executive session was required at this time.

XI. Comments from Commissioners

Chairman King mentioned that Lynn Boomgaarden expressed interest in greeting EORI. She served as a commissioner on the early EORC board. Chairman King also wanted to acknowledge Eli Bebout for his dedication to the EORC. Commissioner Bebout served as the legislative representative for nine years, took a year off and then returned as an at large commission member for the past four years. Chairman King also acknowledged Director Lon Whitman for nearly 20 years of service to EORI.

Director Whitman suggested that future budgetary reporting be run past Vice Chairman Brister. He can work with Gabe Tullis to refine the budget reports.

XII. Future Meeting Dates

A discussion was advanced from Commissioner True that the 2025 Quarterly meetings be determined by the end of 2024. This way the dates would be locked in and planning around them could occur and reduce the shuffle that setting the date during the year causes. Chairman King suggested that planning of the meetings should include outside or field trip type meetings as well as in Casper meetings. Director Whitman will work up a variety of suggestions for review at the fourth quarter 2024 meeting, which is tentatively set for the second week of November.

XII. Adjourn

Chairman King made motion to adjourn. The Motion was seconded and the meeting was adjourned.

****Meeting adjourned at 3:28 PM****

Minutes Approved



Robert King, Chairman

12/3/2024

Date