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“Improved Oil Recovery from Upper Jurassic Smackover Carbonates through the Application of Advanced Technologies at Womack Hill Oil Field, Choctaw and Clarke Counties, Eastern Gulf Coastal Plain”

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Abstract

The principal research efforts for this Continuation Period are the preparation and submittal to DOE of the final report for Phase I of this project, the preparation and submittal of a technical paper for consideration for publication reporting the results of this project, and the evaluation by Pruet Production Co. to continue into Phase II of this project.

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Continuation Progress Report
January 1, 2004—March 31, 2004

Introduction

The University of Alabama requested a no-cost extension to provide Pruet Production Co. with the opportunity to evaluate whether they should move to Phase II of this project. DOE granted the no-cost extension.

Executive Summary

The principal research efforts for this Continuation Period are the preparation and submittal to DOE of the final report for Phase I of this project, the preparation and submittal of a technical paper for consideration for publication reporting the results of this project, and the evaluation by Pruet Production Co. to continue into Phase II of this project.

Project Objectives

The principal objectives of the project are: increasing the productivity and profitability of the Womack Hill Field Unit, thereby extending the economic life of this Class II Reservoir and transferring effectively and in a timely manner the knowledge gained and technology developed from this project to producers who are operating other domestic fields with Class II Reservoirs.

Experimental

Work Accomplished

The final report for Phase I of the project has been prepared and submitted to DOE. A technical paper summarizing the results of the project has been prepared and submitted. Pruet Production Co. has completed their evaluation of the new seismic data and have resolved other issues related to continuing to Phase II of the project.

Work Planned

Preparation and submittal to DOE of the proposal and estimated budget for Phase II of the project.

Results and Discussion

Pruet Production Co. has resolved the issues associated with continuing to Phase II of the project.

Conclusion

Pruet Production Co. is interested in proceeding to Phase II of the project.

References

Davis, D. C., and Lambert, E. J., Jr., 1980, Womack Hill Field, *in* Mesozoic-Paleozoic producing areas of Mississippi and Alabama, v. 2, Mississippi Geological Society.

Townsend, R.N., 1986, The depositional environment and diagenesis of the Upper Smackover Member in Womack Hill Field, Clarke and Choctaw Counties, Alabama, M.S. Thesis, Northeast Louisiana University, Monroe, Louisiana, 97 p.