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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, Alabama, Eastern Gulf Coastal Plain” (Phase II)

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Abstract

The principal research effort for Year 1 of the project is drilling an infill well in the Womack Hill Field, Choctaw and Clarke Counties, Alabama.
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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, Alabama, Eastern Gulf Coastal Plain” (Phase II)

First and Second Quarterly Progress Report for Year 1
May 30, 2004–November 30, 2004

Introduction

The University of Alabama, Pruet Production Co., and Mississippi State University have undertaken Phase II of an improved oil recovery project for carbonate reservoirs at Womack Hill Field, Choctaw and Clarke Counties, Alabama. Phase II involves a field demonstration project that will implement some of the recommendations resulting from Phase I of the project, which involved carbonate reservoir characterization, modeling and simulation.

Executive Summary

The principal research effort for Year 1 of the project is drilling an infill well in the Womack Hill Field, Choctaw and Clarke Counties, Alabama.

Project Objectives

The objectives of the project are to drill and core an infill well in Womack Hill Field; to utilize samples from the core to evaluate further the feasibility of implementing an immobilized enzyme technology project in the field; and to use the new information resulting from the drilling of the well to revise and modify the 3-D geologic model, to further modify the injection strategy for the existing pressure maintenance program, and to assess whether a second infill well should be drilled using lateral/multilateral well completions.

Experimental

Work Accomplished

Subcontract with Pruet Production Co. is in negotiation.

Work Planned

Execute subcontract with Pruet Production Co.

Results and Discussion

Progress on the project continues.

Conclusions

Execution of the subcontract with Pruet Production Co. is requiring more time than expected.
# Milestone Chart—Year 2

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**Work Planned**

**Work Completed**

xxxx