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## **ABSTRACT**

The Pennsylvania State University, under contract to the U.S. Department of Energy, National Energy Technology Laboratory will establish, promote, and manage a national industry-driven Stripper Well Consortium (SWC) that will be focused on improving the production performance of domestic petroleum and/or natural gas stripper wells. The consortium creates a partnership with the U.S. petroleum and natural gas industries and trade associations, state funding agencies, academia, and the National Energy Technology Laboratory.

This report serves as the sixteenth quarterly technical progress report for the SWC. Key activities for this reporting period include: 1) exhibit and participate in the Society of Petroleum Engineers (SPE) Regional Meeting in Charleston West Virginia, 2) finalize the organization of the two fall Technology Transfer meetings and 3) initiate the revision of the SWC By-laws.

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## **1.0 INTRODUCTION**

The Pennsylvania State University, under contract to the U.S. Department of Energy (DOE), National Energy Technology Laboratory (NETL), is in the process of establishing an industry-driven stripper well consortium that will be focused on improving the production performance of domestic petroleum and/or natural gas stripper wells. Industry-driven consortia provide a cost-efficient vehicle for developing, transferring, and deploying new technologies into the private sector. The Stripper Well Consortium (SWC) will create a partnership with the U.S. petroleum and natural gas industries and trade associations, state funding agencies, academia, the National Energy Technology Laboratory, and the National Petroleum Technology Office.

Consortium technology development research will be conducted in the areas of reservoir remediation, wellbore clean up, and surface system optimization. Consortium members elected an Executive Council that will be charged with reviewing projects for consortium co-funding. Proposals must address improving the production performance of stripper wells and must provide significant cost share. The process of having industry develop, review, and select projects for funding will ensure that the consortium conducts research that is relevant and timely to industry. Co-funding of projects using external sources of funding will be sought to ensure that consortium funds are highly leveraged.

## **2.0 EXPERIMENTAL**

A description of experimental methods is required by the DOE for all quarterly technical progress reports. In this program, Penn State is responsible for establishing and managing an industry-driven stripper well consortium. Technology development research awards are made on a competitive basis. Therefore, this section is not applicable to the Penn State contracted activities. Technical reports from the individual researchers will be required to contain an experimental discussion section and will be submitted to consortium members and DOE for their review.

### **3.0 RESULTS AND DISCUSSION**

Key activities for this reporting period include: 1) exhibit and participate in the Society of Petroleum Engineers Regional Meeting in Charleston West Virginia, 2) finalize the organization of the two fall Technology Transfer meetings and 3) initiate revision of the SWC By-laws.

#### **3.1 SPE Regional Meeting**

The SWC participated and exhibited in the Society of Petroleum Engineers (SPE) regional meeting at Charleston, W.V. on September 15-17, 2004. The SPE meeting was host to many industry participants. The SWC focus at this meeting was to provide industry an overview of the technologies developed under the SWC and to recruit new members for the Consortium. The SWC developed and manned a nominal 10 x 10 foot exhibit booth during the two-day event.

#### **3.2 Upcoming Meetings**

The SWC will organize and host two technology meetings in the fall of 2004.

**Oklahoma City, Oklahoma Workshop.** The first technology transfer event will be held in collaboration with the Oklahoma Marginal Well Commission (OMWC) Technology Trade Fair on October 26, 2004 in Oklahoma City, OK. The SWC is a co-sponsor for the event and is organizing 12 exhibit booths to showcase past and present SWC projects.

**State College, Pennsylvania Workshop.** The second technology transfer workshop will be held in State College, Pennsylvania at the Penn State Conference Center on November 16. The workshop is still in the planning stage.

#### **3.3 Revision of SWC By-Laws**

The SWC is revising its By-Laws to create a Supporting Membership tier which will allow companies that wish to submit proposals to the SWC the ability to engage the consortium at a reduced level of commitment. Under this scenario, companies pay a meeting registration fee which is due at the time of their proposal submission rather than applying for a Full membership.

This scenario still will require the company to join the consortium to ensure they are aware and abide by the SWC governing principles – it's By-Laws.

## **4.0 CONCLUSIONS**

The SWC is preparing for it's upcoming fall technology transfer meetings and is in the initial phase of revising its By-Laws. The SWC has laid a solid foundation for technology development and membership growth for the upcoming year.

## **5.0 REFERENCES**

A listing of referenced materials is required by the DOE for each quarterly technical progress report. This technical progress report for the SWC did not utilize any reference material.