

## **PROGRESS REPORT**

*June 2009*

### **INTERIM GROUNDWATER/AQUIFER POLLUTION PREVENTION, MITIGATION AND MONITORING PLAN**

**PINEDALE ANTICLINE OIL AND GAS EXPLORATION AND DEVELOPMENT PROJECT  
SUBLETTE COUNTY, WYOMING**

#### **PROGRESS MADE SINCE LAST REPORTING PERIOD**

##### ***Planning Documents, Budgeting, Meetings and Management***

- Continued database with conversion process.
- Coordinated with USQ on the draft Memorandum of Understanding (MOU) and Statement of Understanding (e.g., surface use agreement).
- Provided project status updates, deliverable summary and maintained project communication with USQ and BLM.

##### ***Initial Vulnerability Assessment***

- No activity.

##### ***Credible/Suitable Well Determination***

- Finalized and issued technical memorandum on the credible/suitable well determination.

##### ***Monitoring Program Augmentation***

- Finalized and issued technical memorandum documenting well and surface water station survey, and LEL measurements.
- Prepared and checked April 2009 groundwater elevations for use in potentiometric map.

##### ***Hydrogeologic Data Gaps Study***

- Contoured April 2009 groundwater elevations and prepared draft potentiometric map.
- Prepared and issued draft Right-of-Way permit applications to BLM for review.
- Prepared draft Sundry Notices to be submitted to BLM for study wells on operating pads.
- Initiated preparation of well permits from State Engineer's Office for wells to be completed greater than 4-inches diameter.
- Requested drill pad diagrams for proposed study well drill sites from USQ and Yates; received all except Yates.
- Continued planning activities for study well installation and testing.
- Maintained communication with well drilling and direct push contractors.

##### ***Low Level Petroleum Hydrocarbon Source Evaluation***

- No activity.

#### **HEALTH AND SAFETY**

- No field activities.

## **ISSUES AND PROPOSED RESOLUTIONS**

- **Database** – we are still attempting to obtain data associated with the April 2009 survey for five attributes. Once these are received, we will issue the geodatabase to BLM.
- **Project Deliverables** – Project deliverables are being issued as .pdf documents either directly to USQ and BLM, or based on file size, to a FTP site. We assume that BLM is maintaining the administrative record for the project and will be uploading documents they deem necessary to BLM's Pinedale Field Office web site.
- **Memorandum of Understanding** – Geomatrix will proceed with scheduling drilling activities once the MOU is signed. Right of way permit applications and Sundry notices are ready to be issued to BLM and WOGCC, respectively. Depending on the time the agencies need for review, we anticipate that drilling could begin as soon as three weeks after the MOU is signed.
- **Statement of Understanding** – The surface use agreement or Statement of Understanding (SOU) for private landowners needs to be approved by USQ. A SOU signed by the landowner will allow Geomatrix as agent (representative) of USQ to install and monitor study wells.
- **Yates** – We have not been informed if USQ is agreeable to place temporary concrete barriers around wellheads and any exposed production equipment on the Highway Federal #7 pad (Site T-4 location). Should USQ decide it is not acceptable a substitute location for T-4 needs to be selected. We will proceed as if this is acceptable.
- **Schedule** – The project is substantially behind the schedule proposed in the Interim Plan. The schedule will be adjusted once the drilling program is scheduled.

## **ANTICIPATED ACTIVITIES FOR NEXT REPORTING PERIOD (July 2009)**

- Complete the database conversion and transmit the project geodatabase to BLM for review.
- File signed copy of MOU.
- Obtain concurrence from USQ that the surface use agreement (SOU) for private property owners is acceptable. Coordinate with the SCCD to obtain permission from property owners to install and monitor study wells using the USQ-approved SOU.
- Issue study well permit applications to BLM (right-of-way permits and Sundry notices), and permits to the SEO (permit to appropriate groundwater).
- Contract with a drilling contractor and direct push contractor.
- Continue preparation of the Sampling and Analysis Plan for the LLPHE.

## **SCHEDULE STATUS**

- See discussion above.

## **DELIVERABLE STATUS**

- June 9 – Final Project Administration Plan, Plan of Study for Hydrogeologic Data Gaps, Plan of Study for Monitoring Program Augmentation, Plan of Study for Credible/Suitable Well Determination, and Plan of Study for Evaluation of Potential Sources of Low Level Petroleum Hydrocarbon Detections.
- June 9 – Technical Memorandum, Well and Surface Water Station Survey.

- June 23 – Technical Memorandum, Credible/Suitable Well Determination.
- June 23 – Deliverable Summary matrix.

**STAFFING CHANGES OR CONCERNS**

- None.