



September 23, 2019

Ms. Renee Romero  
New Mexico Environment Department  
Petroleum Storage Tank Bureau  
1914 West 2nd Street  
Roswell, New Mexico 88201

Re: Well Installation Progress Update (Third Month)  
Former Y Station State Lead Site, 721 Commerce Way, Clovis, New Mexico  
Facility #53712, Release ID #4746, WPID #4022

Dear Ms. Romero:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this letter report documenting the third month of well installation activities at the Former Y Station State Lead Site (the site) in Clovis, New Mexico. Existing and proposed well locations are shown on Figure 1 together with benzene concentration data from the May 2019 groundwater sampling event and aquifer testing. A partial set of wells was surveyed in August 2019, so actual well locations are shown on the figure where possible. Soil sampling for well installation was completed in accordance with the approved work plan and will be discussed in the final well installation report. The final report will include field notes and photographs documenting site activities, bore logs and well completion diagrams, laboratory reports, waste manifests, permits, and well survey reports.

On August 4, 2019, Yellow Jacket Drilling Services (YJD) finished the surface completion for BW-7R and set up on the location of monitor well MW-13. The well was completed on August 13, 2019, which was later than expected due in part to several weather and lightning-related delays. Water was encountered at a depth of approximately 327 feet bgs, and the well was screened from 287 to 357 feet bgs. PID readings in soil samples collected from the boring during drilling were below 100 ppmv.

On August 19, 2019, DBS&A and YJD returned to the site after a work break and set up on the RW-3 location. Southwest Safety Services, Inc. (SWS) of Albuquerque, New Mexico, also mobilized on August 19 to set up traffic control to block the signalized intersection of the parking lot. A slight hydrocarbon odor was noted in the soil boring beginning at a depth of 175 feet below ground surface (bgs), but elevated photoionization detector (PID) readings were not noted until a depth of approximately 294 feet bgs, or approximately 30 feet above the current water table. At that depth, the PID reading exceeded the range of the instrument (>15,000 parts per million by volume [ppmv]). The 4-inch-diameter deep well screen was set from approximately 288 to 358 feet bgs. The shallow and intermediate, 2-inch-diameter well screens were set from 135 to 195 and 215 to 275 feet bgs. On August 30, 2019, the well was completed and SWS mobilized to pick up traffic control.

*Daniel B. Stephens & Associates, Inc.*

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DBS&A and YJD scheduled a work break over the Labor Day holiday and returned to the site on September 4, 2019, to set up on the RW-4 location. Hydrocarbon odor was noted in the boring starting at a depth of 286 feet bgs, with PID readings from that depth to the water table generally between 100 and 1,000 ppmv. Water was encountered at a depth of approximately 330 feet bgs, and the well was screened from 290 to 360 feet bgs. The surface completion for this well was installed on September 11, 2019.

On August 19, 2019, DBS&A met with the City of Clovis City Manager to discuss the proposed location of monitor well MW-14. He asked whether we would prefer to install the well within City right-of-way for the sidewalk, but otherwise had no objection to the location. DBS&A chose the street location for a variety of reasons, including future access, potential liability, and the possibility of future development of the vacant property. DBS&A also met with neighbors within the 1600 block of Lea Street. There were no objections to the proposed drilling activities by the residents of that block. DBS&A will discuss installation of MW-14 in a future report.

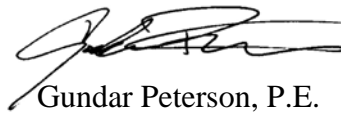
DBS&A intends to invoice the full approved amount for Deliverable ID #4022-5, as modified by the change order letter approved by the PSTB on May 8, 2019. If you have any questions or require additional information, please contact us at (505) 822-9400.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.



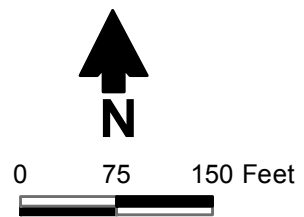
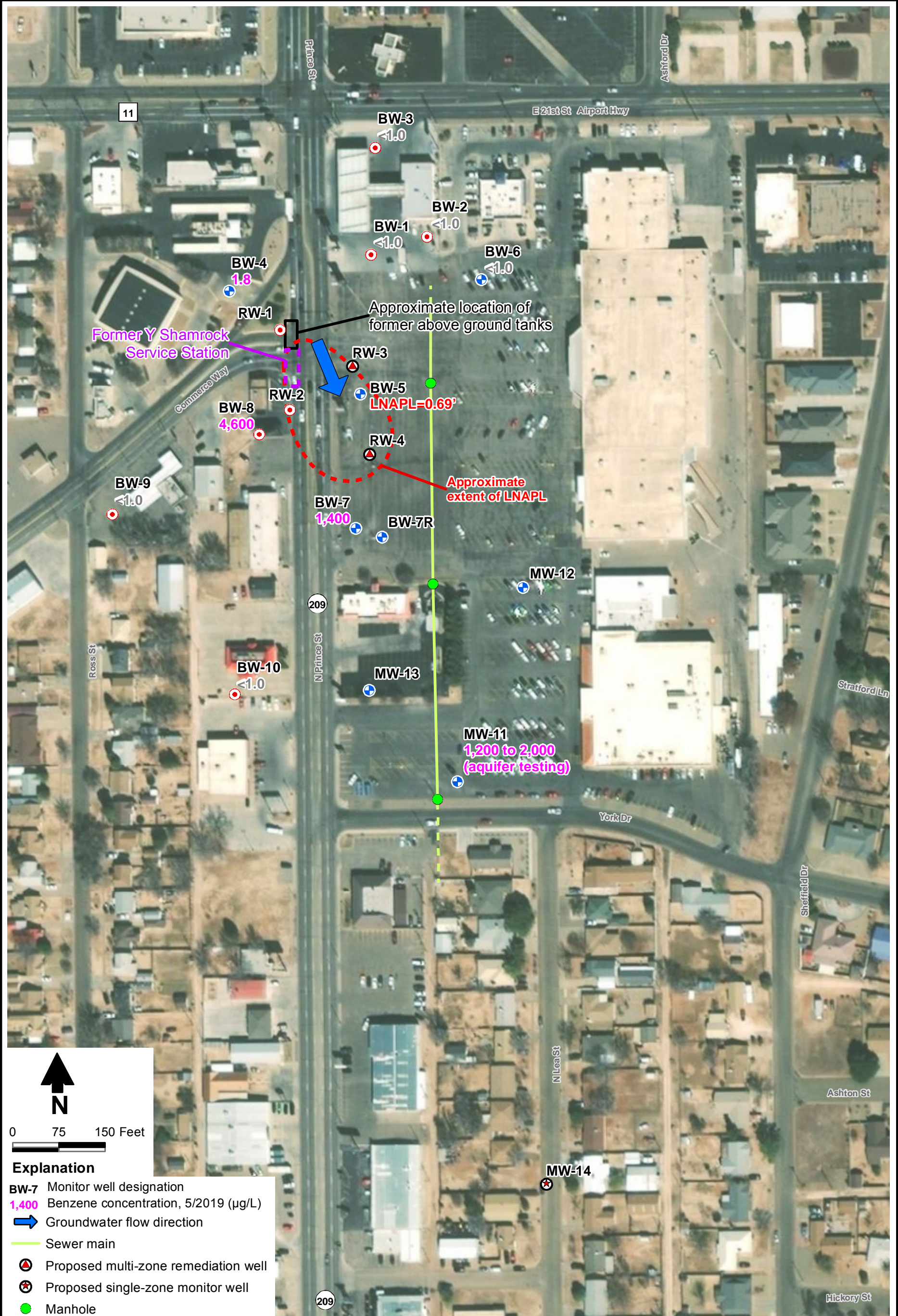
Thomas Golden, P.E.  
Project Engineer



Gundar Peterson, P.E.  
Senior Engineer / Vice President

TG/GP

**Figure**



- Explanation**
- BW-7 Monitor well designation
  - 1,400 Benzene concentration, 5/2019 (µg/L)
  - Groundwater flow direction
  - Sewer main
  - ▲ Proposed multi-zone remediation well
  - ★ Proposed single-zone monitor well
  - Manhole
  - Single completion monitor well
  - Nested monitor well

FORMER Y STATION STATE LEAD SITE  
 721 COMMERCE WAY  
 CLOVIS, NEW MEXICO

**Proposed Additional Site Investigation**

Figure 1