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By PSTB at 4:03 pm, Jun 18, 2020



June 18, 2020

Ms. Renee Romero
New Mexico Environment Department
Petroleum Storage Tank Bureau
1914 West Second Street
Roswell, New Mexico 88201-1712

Re: Monitor Well Installation Letter Report
Former Y Station, 721 Commerce Way, Clovis, New Mexico
Facility #53742, Release ID #4746, WPID #4133-1

Dear Ms. Romero:

Daniel B. Stephens & Associates, Inc. (DBS&A) is pleased to submit this letter report documenting well installation activities performed in May and June 2020 at the Former Y Station site (the site) in Clovis, New Mexico. Existing well locations, including recently installed wells, are shown on Figure 1. New wells were surveyed by a New Mexico-licensed Professional Land Surveyor the week of June 8, 2020, and the well survey report will be included in the final well installation report.

Prior to drilling, well permits were obtained from the New Mexico Office of the State Engineer (OSE), and utility clearances were provided by New Mexico One Call following a site visit to mark the proposed well locations. Approved permits will be provided in the final well installation and groundwater monitoring report. The final report will also include field notes and photographs documenting site activities, bore logs and well completion diagrams, laboratory reports, and waste manifests.

DBS&A contracted with Yellow Jacket Drilling Services, LLC (YJD) of Phoenix, Arizona, to perform the drilling and well installation services. Wells were installed using a Speedstar 50K drilling rig equipped with air rotary casing hammer (ARCH)/downhole hammer drilling technology. DBS&A personnel provided drilling oversight and field screened and logged soils. Due to the air based drilling method, soil samples were not submitted for laboratory analysis.

The three new monitor wells were installed to define the extent of contamination cross-gradient to the east. Soil borings were drilled to total depths from 360 to 370 feet below ground surface (bgs), and the monitor wells were completed to depths of 357.7 to 364.8 feet bgs. Groundwater elevations were gauged from 322.6 to 328.9 feet bgs. The new monitor wells were installed with 5-inch-diameter Schedule 80 polyvinyl chloride well materials, including 70 feet of 0.020-inch machine-cut, flush-threaded well screen, with approximately 30 feet of screen below the water table.

Daniel B. Stephens & Associates, Inc.

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YJD mobilized to the site on May 13, 2020, and set up on the location for monitor well MW-17 on May 14, 2020. Drilling and well installation proceeded smoothly at all three monitor well locations. Information on the well installations are as follows:

- MW-17 was installed on May 14 through 18, 2020. Water was encountered at a depth of approximately 328.9 feet bgs, and the well was screened from 289.0 to 359.0 feet bgs. Photoionization detector (PID) readings were below 5 parts per million by volume (ppmv), with the highest reading of 3.0 ppmv found in the soil sample collected from 210 to 220 feet bgs. MW-17 was developed on June 10 through 11, 2020.
- MW-16 was installed on May 18 through May 21 and May 27 through May 29, 2020. Water was encountered at a depth of approximately 328.6 feet bgs, and the well was screened from 288.6 to 358.9 feet bgs. PID readings were generally below 5 parts per million by volume (ppmv), with the highest reading of 5.1 ppmv found in the soil sample collected from 280 to 290 feet bgs. MW-16 was developed on June 10, 2020.
- MW-15 was installed on May 30 through June 2, 2020. Water was encountered at a depth of approximately 322.6 feet bgs, and the well was screened from 282.0 to 352.3 feet bgs. PID readings were generally below 5 parts per million by volume (ppmv), with the highest reading of 2.5 ppmv found in the soil sample collected from 190 to 200 feet bgs. MW-15 was developed on June 11, 2020.

YJD finished surface completions, performed various site cleanup activities, and demobilized from the site on June 2, 2020. YJD mobilized a separate well development crew on June 9, 2020, and that crew demobilized from the site on June 11, 2020.

Investigation-derived waste (IDW) was stored in on-site mud boxes (roll-off bins) for disposal at a licensed facility. DBS&A subcontracted with Gandy Marley, Inc. (GMI) of Roswell, New Mexico, for transportation and disposal of the waste. A total of five mud boxes of IDW were removed from the site between May 15 and June 3, 2020. An additional roll-off (vacuum tank) was used to containerize well development water from the three wells. YJD transported water to the vacuum tank using a trailer-mounted water tank, and GMI hauled the vacuum tank to its disposal facility the week of June 15, 2020. Waste manifests will be provided with the final site investigation report.


Water for drilling, well installation, and surface completions was obtained with permission from the City of Clovis through a fire hydrant and hydrant meter located on York Drive. A portable toilet was supplied by Mighty Clean of Clovis, New Mexico, for the duration of the project. Temporary fencing to secure well materials and drilling equipment was provided by American Fence of Albuquerque, New Mexico. Traffic control for the MW-15 well installation was provided by Southwest Safety Services of Albuquerque, New Mexico, and included a partial lane closure for Sheffield Drive.

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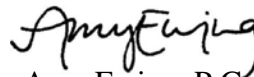
DBS&A intends to invoice a reduced amount of \$342,076.24 (including New Mexico gross receipts tax) for Deliverable ID #4133-1, due to a reduction in the number of IDW roll-off bins from seven to six. If you have any questions or require additional information, please contact us at (505) 822-9400.

Sincerely,

DANIEL B. STEPHENS & ASSOCIATES, INC.



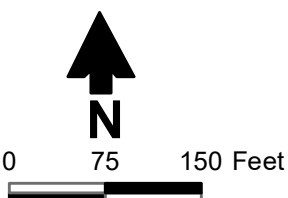
Thomas Golden, P.E.
Project Engineer



Amy Ewing, P.G.
Hydrogeologist

AE/TG/ed
Attachment

Figure



Explanation

- + Single completion monitor well
- Nested monitor well

FORMER Y STATION STATE LEAD SITE
CLOVIS, NEW MEXICO
Site Map

Figure 1

