ENSOLUM

March 30, 2023

**New Mexico Oil Conservation Division**
New Mexico Energy, Minerals, and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

**Re: 2022 Annual Groundwater Report**
Davis #1A
San Juan County, New Mexico
Harvest Four Corners, LLC
NMOCD Incident# nAUTOfAB000119
Remediation Permit Number 3RP-311-0

Review of the 2022 Annual Groundwater Report for Davis #1A: Content Satisfactory
1. Continue to recover LNAPL in wells and utilize pumps when necessary as absorbent socks are not considered a remediation method.
2. Continue to conduct groundwater monitoring annually as prescribed.
3. Continue to submit annual reports by April 1 of each calendar year.

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), presents this detailed report for activities conducted at the Davis #1A (Site), Remediation Permit Number 3RP-311-0, Incident #nAUTOfAB000119, between January and December 2022. The scope of work for this project included quarterly groundwater elevation monitoring and annual groundwater sampling to monitor petroleum hydrocarbon impacts to groundwater resulting from the operation of a former earthen dehydrator pit.

## LOCATION

The Site is located at Latitude 36.915721 and longitude -108.070642 in Unit E, Section 11, Township 31 North, Range 12 West in the Farmington Glade area of the San Juan Basin in San Juan County, New Mexico (Figure 1).

## HISTORY

The source of impacted groundwater beneath the Site is a former earthen dehydrator pit operated by the previous operator, Gas Company of New Mexico (GCNM). Approximately 192 cubic yards of impacted soil were removed in May 1998. Based on historical documentation, residual petroleum hydrocarbon-impacted soil was left in place at the Site at a depth of 16 feet below ground surface (bgs). A soil sample from the base of the excavation at 16 feet bgs contained a concentration of 61.8 milligrams per kilogram (mg/kg) of benzene, toluene, ethylbenzene, and total xylenes (BTEX) and a concentration of total petroleum hydrocarbons (TPH)-diesel range organics (DRO) of 59 mg/kg. Subsequent soil boring data indicated impacted soil extended to approximately 55 feet bgs. Between February 1999 and August 1999, monitoring wells MW-1 through MW-7 were installed. Monitoring well MW-2 was installed in the source area (Figure 2).

Williams Four Corners LLC (Williams) purchased the Site from Public Service Company of New Mexico (PNM) in 2000 and assumed the environmental liability for the former earthen dehydrator pit. Between 2000 and December 2012, Williams monitored groundwater at the Site. Historical reports indicated monitoring wells MW-2, MW-3, and MW-5 contained phase-separated hydrocarbons (PSH) between September 1999 and December 2012. Monitoring well MW-3 was

destroyed in 2013. PSH was recovered from monitoring well MW-2 between 2008 and 2012. Groundwater monitoring continued at the Site from 2013 through 2018. Records regarding these activities are in previous groundwater reports submitted to the New Mexico Oil Conservation Division (NMOCD). On October 1, 2018, Harvest purchased the facility from Williams and is currently responsible for the Site.

In October 2017, NMOCD approved a work plan to install replacement wells for MW-2, MW-3, and MW-5 and to add an additional cross-gradient well south of MW-5. In June 2019, Harvest acquired approval from the Bureau of Land Management (BLM) for an amendment to the existing right-of-way (NMNM 137646), which was required to install replacement wells and additional downgradient monitoring wells on Site.

In October 2019, Harvest replaced monitoring wells MW-2, MW-3, and MW-5 with monitoring wells MW-2R, MW-3R, MW-5R, respectively, and installed an additional monitoring well (MW-8) south of monitoring well MW-5. Monitoring well MW-2 was located in the original source area but contained insufficient groundwater volume for sampling since 2003 (see Table 1). Monitoring well MW-3, located cross-gradient of the source area, was destroyed in February 2013. The polyvinyl chloride (PVC) casing of monitoring well MW-5 was loose within the metal surface completion and a 2-inch disposable bailer would not fit down the well. Monitoring wells MW-2 and MW-5 were plugged and abandoned.

Monitoring wells MW-2R, MW-4, and MW-5R all contained measurable PSH in November 2019. Laboratory analytical results indicated soil and groundwater impacts at the Site were delineated. After the new wells were installed, a solar-powered product recovery pneumatic pumping system (solar sipper system) was installed in monitoring well MW-4 on November 19, 2019, and was removed June 30, 2020, due to lack of PSH in MW-4.

## METHODOLOGY

In 2022, Ensolum conducted quarterly groundwater elevation monitoring and an annual groundwater monitoring event at the Site. These activities included measuring depth to groundwater and investigating the presence of PSH in eight monitoring wells (MW-1, MW-2R, MW-3R, MW-4, MW-5R, MW-6, MW-7, and MW-8) quarterly and collecting groundwater samples from monitoring wells MW-3R, MW-5R, MW-7, and MW-8 in May 2022.

Groundwater elevation monitoring included recording depth to groundwater measurements in all existing wells with an oil/water interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with distilled water prior to each measurement. Ensolum used existing top-of-casing well elevations to draft groundwater contours and determine groundwater flow direction. Contours were inferred based on groundwater elevations and physical characteristics at the Site (topography, proximity to irrigation ditches, etc.). This data is summarized in Table 1 and depicted on Figures 2 through 5.

Prior to sampling, groundwater, depth to groundwater, and total depth of the monitoring wells were measured with an oil/water interface probe. The volume of groundwater was calculated, and a minimum of three well casing volumes of groundwater was purged using a dedicated PVC bailer. As groundwater was removed from the monitoring wells, pH, electric conductivity (EC), and temperature were monitored. Purge water was containerized and disposed of at a nearby compressor station. Copies of the groundwater sample collection forms are presented in Appendix A.

Once the monitoring wells were purged, groundwater samples were collected by filling three 40-milliliter (mL) glass vials. The laboratory-supplied vials were filled and capped with no headspace

to prevent degradation of the sample. Samples were labeled and immediately sealed and packed on ice. The samples were transferred to Hall Environmental Analysis Lab (Hall) for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021.

## PHASE SEPARATED HYDROCARBONS RECOVERY

The solar sipper recovered approximately 4.31 gallons of PSH from monitoring well MW-4 from November 2019 through June 30, 2020, when the solar sipper was removed from the Site due to lack of observable PSH. PSH gauging indicated:

- 0.01 feet of PSH in MW-2R in February 2022;
- 0.01 feet of PSH in both MW-2R and MW-4 in May 2022; and
- 0.02 feet in MW-4 in September 2022.

Product recovery socks are installed to absorb residual PSH within the monitoring wells MW-2R and MW-4. Approximately 6 ounces of PSH were recovered with product recovery socks during 2022.

## RESULTS

Depth to groundwater data collected during the February, May, September, and December 2022 monitoring events is summarized in Table 1. Groundwater flow direction was generally to the north except for February groundwater elevations indicated flow was to the northeast (Figure 2 – Figure 5). Monitoring well MW-6 was dry during all groundwater monitoring events and monitoring well MW-1 was dry during the May, September, and December 2022 groundwater monitoring events.

PSH was observed in monitoring wells MW-2R and MW-4 during the May groundwater sampling event. Laboratory analytical results for groundwater samples collected from monitoring wells MW-3R, MW-5R, MW-7, and MW-8 indicated concentrations of BTEX were below laboratory analytical reporting limits or in compliance with applicable New Mexico Water Quality Control Commission (NMWQCC) standards. Table 2 summarizes groundwater analytical results, and the complete laboratory analytical report is included in Appendix B.

## CONCLUSION

Impacted groundwater remains beneath the Site and is confined to groundwater in the vicinity of monitoring wells MW-2R and MW-4. Impacted groundwater is delineated by monitoring wells MW-1, MW-3R, MW-5R, MW-6, MW-7, and MW-8. PSH was measured in monitoring wells MW-2R and MW-4 in 2022. There is not currently enough measurable PSH to effectively utilize the solar sipper system at this Site and as a result, Ensolum has installed product recovery socks to absorb residual PSH. The product recovery socks will be monitored and when the sock is fully saturated with PSH, that product recovery sock will be removed and properly disposed of and replaced with a new product recovery sock.

## MONITORING PLAN

Harvest will continue to measure depth to groundwater and depth to PSH quarterly in monitoring wells MW-1, MW-2R, MW-3R, MW-4, MW-5R, MW-6, MW-7, and MW-8. Groundwater samples will be collected annually and analyzed for BTEX from monitoring wells MW-2R, MW-3R, MW-4, MW-5R, MW-6, MW-7, and MW-8 if there is sufficient water and no PSH are present. Harvest will maintain product recovery socks in monitoring wells that contain PSH and continue to manually remove PSH by bailing as necessary during groundwater monitoring events until no observable

PSH is present in any groundwater monitoring wells. Based on the decrease and absence/ineffective volume of PSH, the solar sipper system will be used on other Harvest locations and returned to this Site if consistent measurable PSH levels are observed.

A subsequent annual report summarizing groundwater remediation and monitoring activities in 2023 will be submitted to the NMOCD by March 31, 2024. Ensolum appreciates the opportunity to provide this report on behalf of Harvest. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

**Ensolum, LLC**

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Brooke Herb
Senior Geologist
(970) 403-6824
bherb@ensolum.com

**Attachments:**

Figure 1: Site Location Map
Figure 2: Groundwater Elevation Contour Map (February 2022)
Figure 3: Groundwater Elevation and Analytical Results (May 2022)
Figure 4: Groundwater Elevation Contour Map (September 2022)
Figure 5: Groundwater Elevation Contour Map (December 2022)

Table 1: Groundwater Elevation
Table 2: Groundwater Analytical Results

Appendix A: Sample Collection Forms
Appendix B: Laboratory Analytical Report

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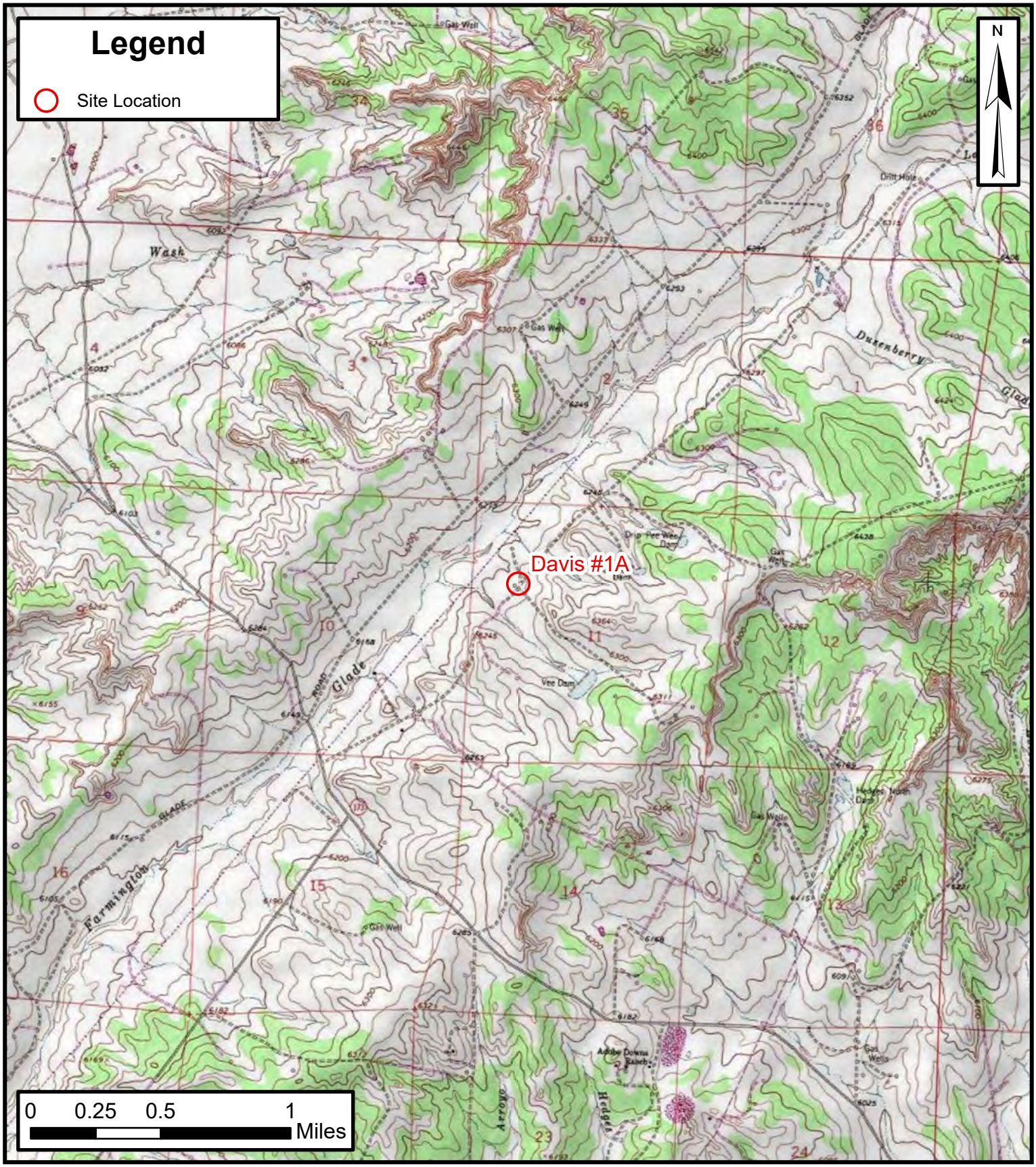
# FIGURES

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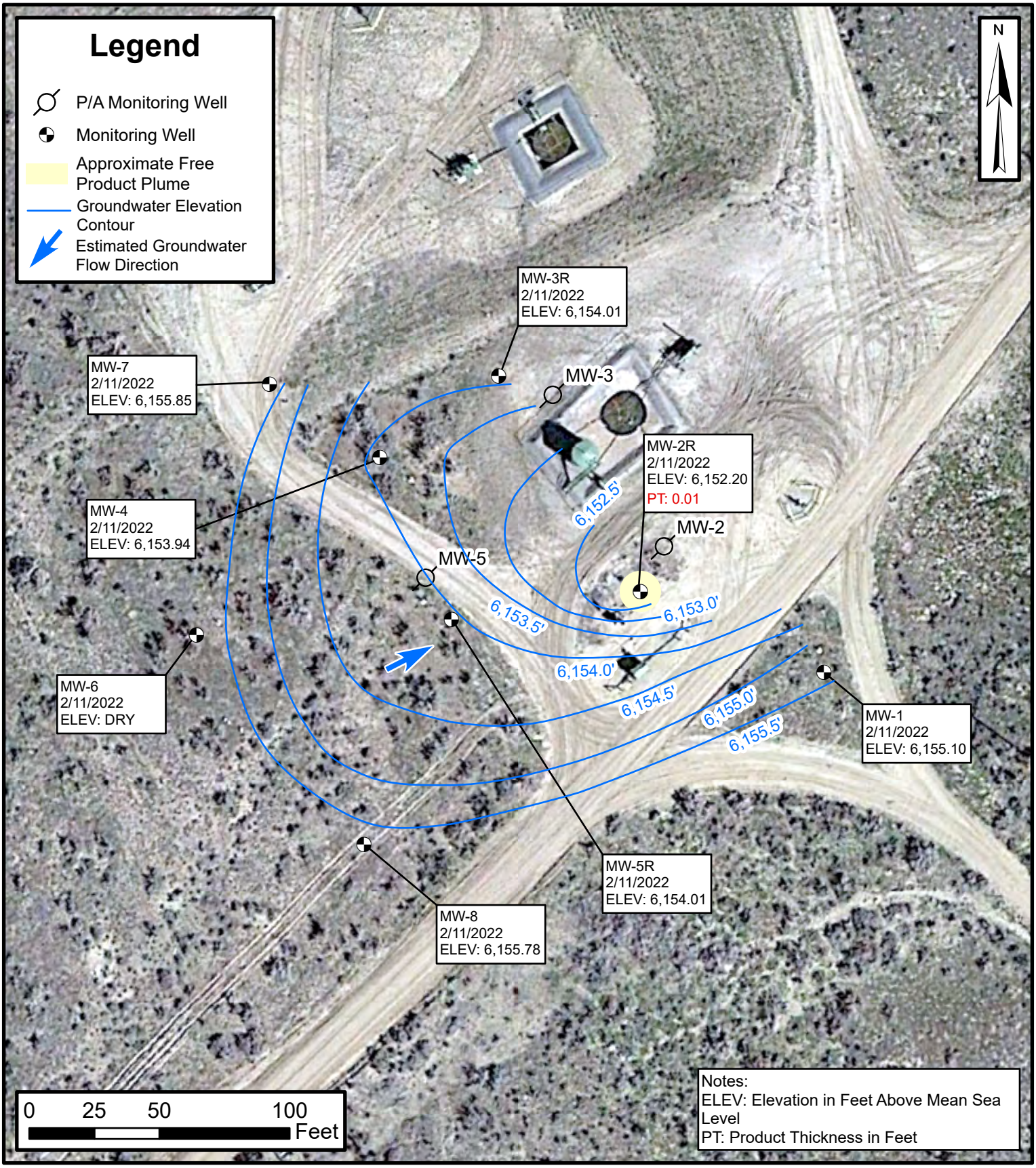
# Site Location Map

Davis #1A
Harvest Four Corners, LLC

36.91565, -108.07073
SW/NW, SEC 11, T31N, R12W
San Juan County, New Mexico

FIGURE
1

Sources: Environmental Systems Research Institute (ESRI), National Geographic Society, i-cubed

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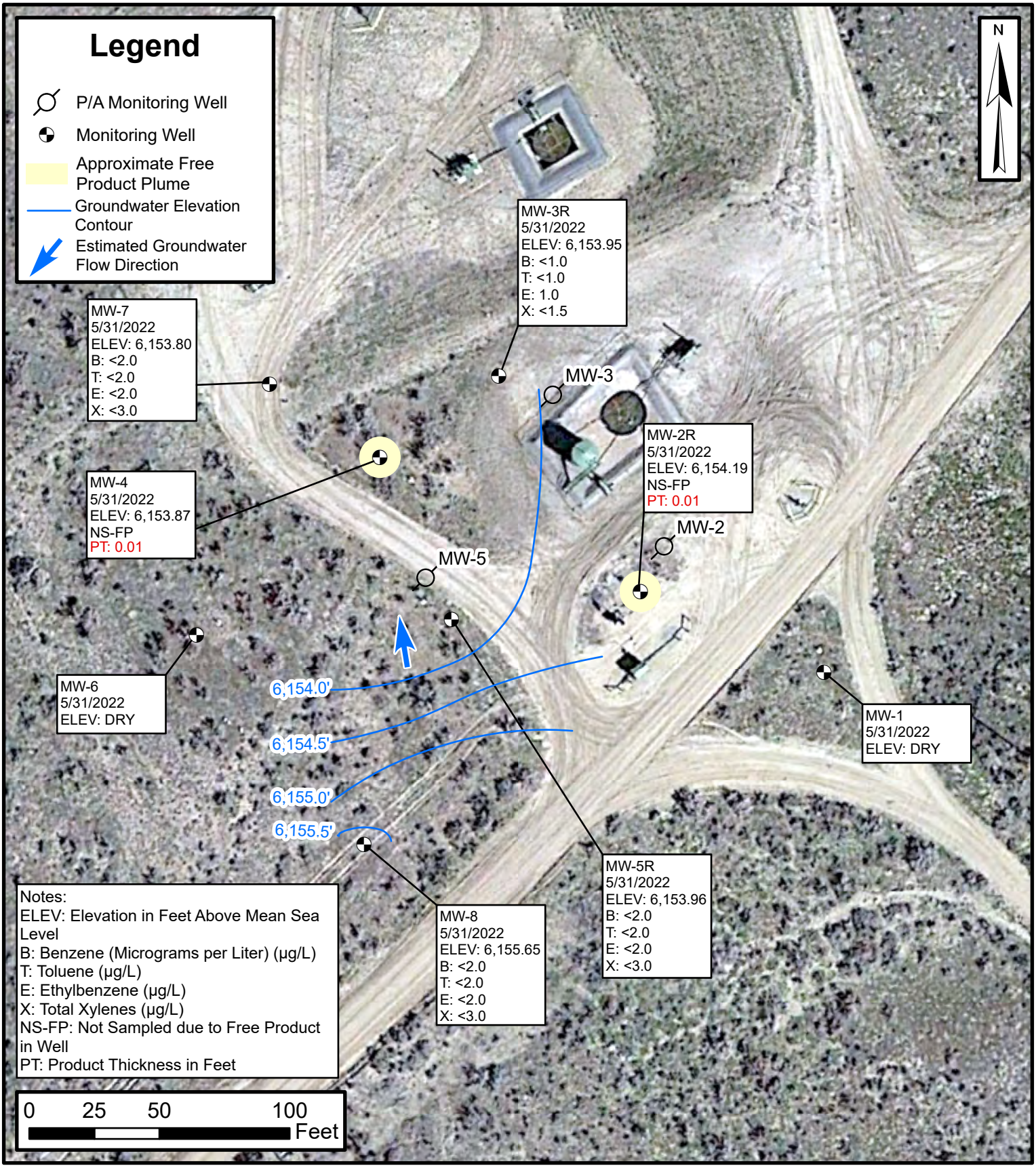
# Groundwater Elevation Contour Map (February 2022)

Davis #1A
Harvest Four Corners, LLC
36.91565, -108.07073
SW/NW, SEC 11, T31N, R12W
San Juan County, New Mexico

**FIGURE**
**2**

Sources: Google Earth

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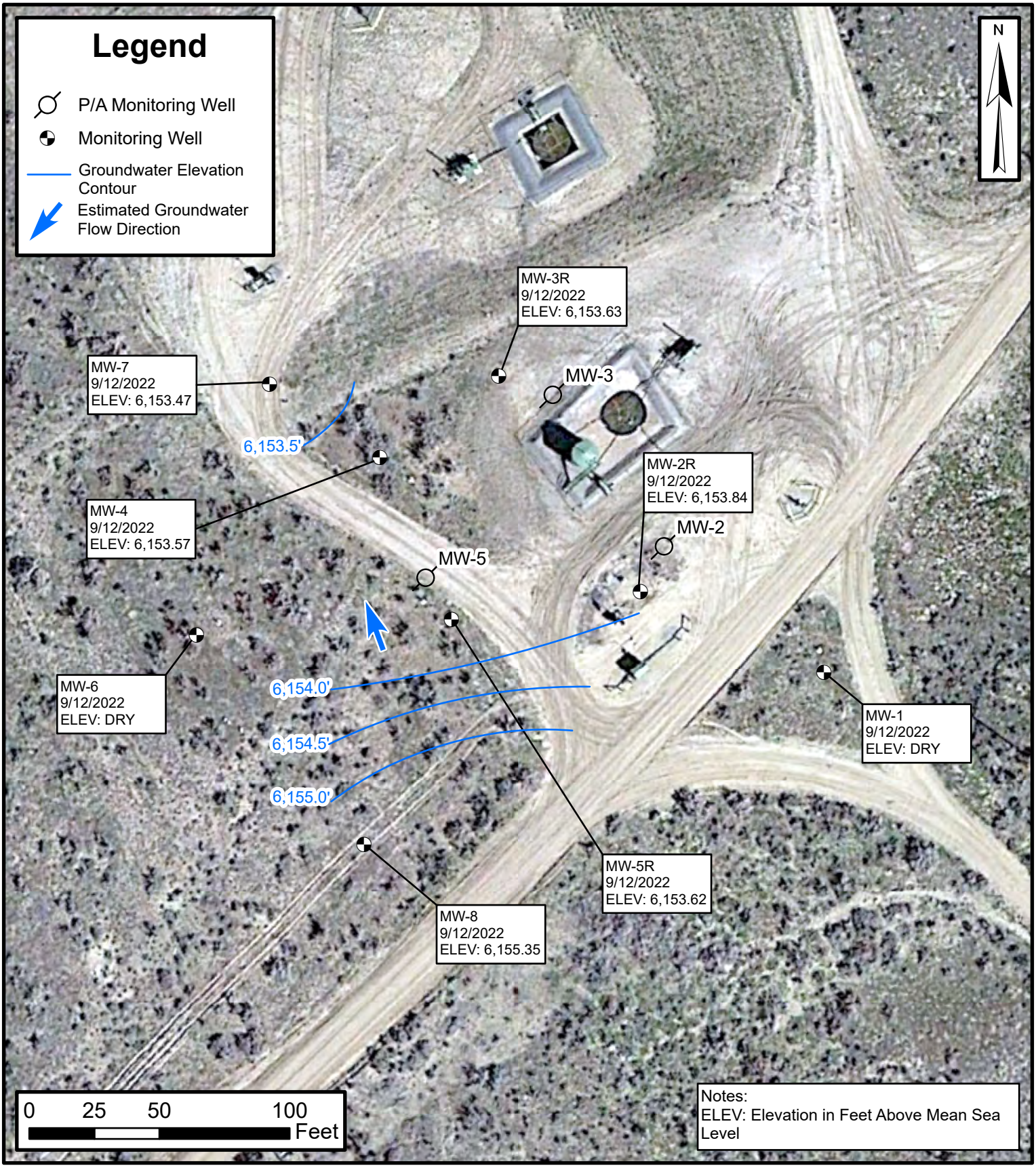
# Groundwater Analytical Results and Elevation Contour Map (May 2022)

Davis #1A
Harvest Four Corners, LLC
36.91565, -108.07073
SW/NW, SEC 11, T31N, R12W
San Juan County, New Mexico

**FIGURE**
**3**

Sources: Google Earth

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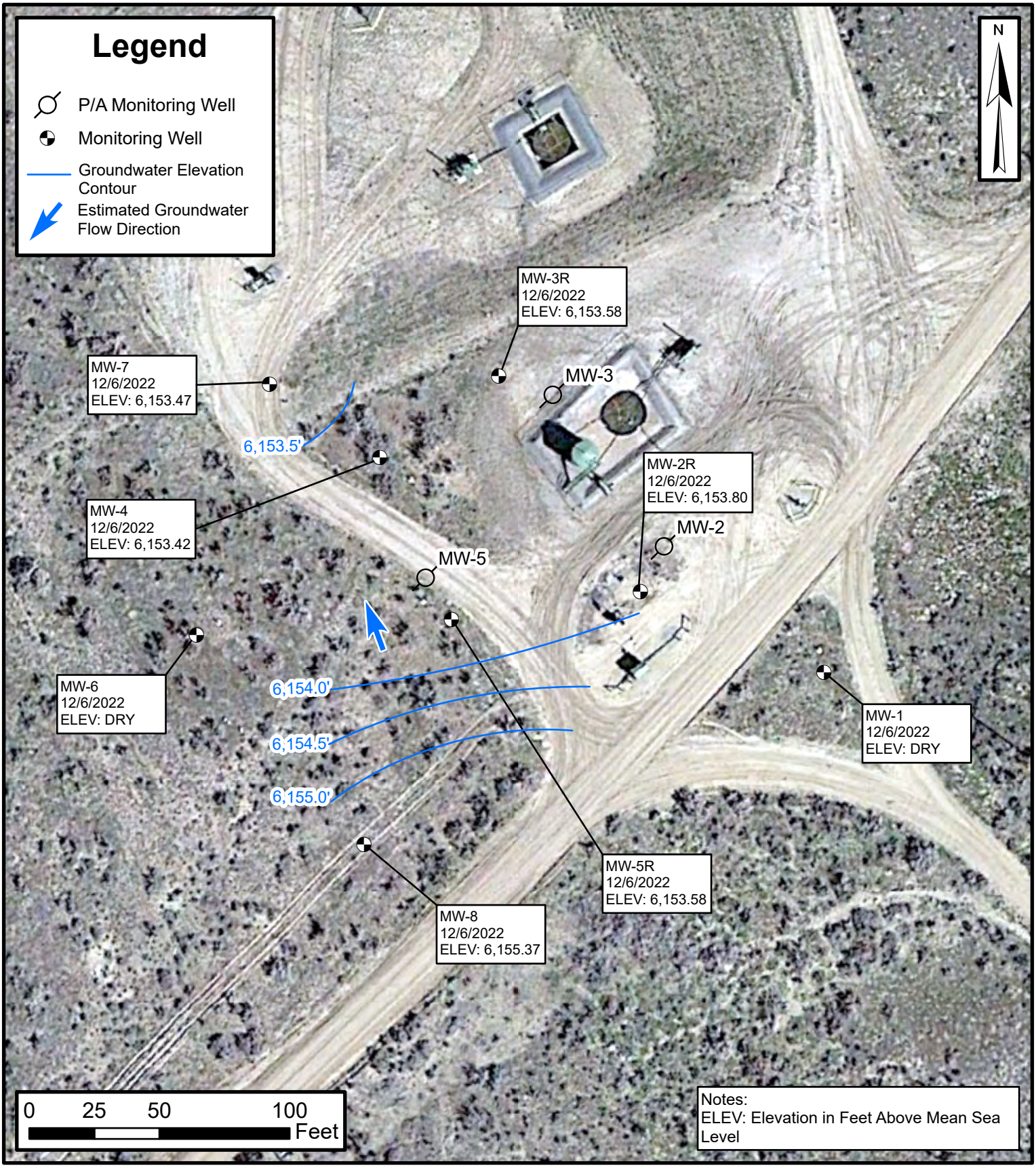
# Groundwater Elevation Contour Map (September 2022)

Davis #1A
Harvest Four Corners, LLC
36.91565, -108.07073
SW/NW, SEC 11, T31N, R12W
San Juan County, New Mexico

**FIGURE**

**4**

Sources: Google Earth

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# Groundwater Elevation Contour Map (December 2022)

Davis #1A
Harvest Four Corners, LLC
36.91565, -108.07073
SW/NW, SEC 11, T31N, R12W
San Juan County, New Mexico

**FIGURE**

**5**

Sources: Google Earth

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# TABLES

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# TABLE 1
## Groundwater Elevation
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |
|---|---|---|---|---|---|---|
| MW-1 | 6,217.14 | 2/27/2013 | 65.44 | NP | NP | 6,151.70 |
| | 6,224.82* | 6/27/2013 | 65.65 | NP | NP | 6,159.17 |
| | | 9/23/2013 | 66.06 | NP | NP | 6,158.76 |
| | | 12/4/2013 | 65.97 | NP | NP | 6,158.85 |
| | | 3/20/2014 | 65.96 | NP | NP | 6,158.86 |
| | | 6/10/2014 | 66.05 | NP | NP | 6,158.77 |
| | | 9/15/2014 | 66.07 | NP | NP | 6,158.75 |
| | | 12/10/2014 | 66.58 | NP | NP | 6,158.24 |
| | | 3/12/2015 | 66.40 | NP | NP | 6,158.42 |
| | | 9/14/2015 | 66.73 | NP | NP | 6,158.09 |
| | | 6/13/2016 | 66.43 | NP | NP | 6,158.39 |
| | | 12/1/2016 | 66.93 | NP | NP | 6,157.89 |
| | | 6/28/2017 | 66.92 | NP | NP | 6,157.90 |
| | | 6/27/2018 | DRY | NP | NP | DRY |
| | | 6/25/2019 | 68.80 | NP | NP | 6,156.02 |
| | 6,225.08** | 11/11/2019 | 69.07 | NP | NP | 6,156.01 |
| | | 3/3/2020 | DRY | NP | NP | DRY |
| | | 3/11/2020 | 69.18 | NP | NP | 6,155.90 |
| | | 6/8/2020 | DRY | NP | NP | DRY |
| | | 9/21/2020 | DRY | NP | NP | DRY |
| | | 12/11/2020 | DRY | NP | NP | DRY |
| | | 3/8/2021 | DRY | NP | NP | DRY |
| | | 5/19/2021 | DRY | NP | NP | DRY |
| | | 7/27/2021 | DRY | NP | NP | DRY |
| | | 12/2/2021 | DRY | NP | NP | DRY |
| | | 2/11/2022 | 69.98 | NP | NP | 6,155.10 |
| | | 5/31/2022 | DRY | NP | NP | DRY |
| | | 9/12/2022 | DRY | NP | NP | DRY |
| | | 12/6/2022 | DRY | NP | NP | DRY |
| MW-2 | 6,215.55 | 2/27/2013 | 63.35 | NP | NP | 6,152.20 |
| | 6,222.98* | 6/27/2013 | DRY | NP | NP | DRY |
| | | 9/23/2013 | DRY | NP | NP | DRY |
| | | 12/4/2013 | DRY | NP | NP | DRY |
| | | 3/20/2014 | DRY | NP | NP | DRY |
| | | 6/10/2014 | DRY | NP | NP | DRY |
| | | 9/15/2014 | DRY | NP | NP | DRY |
| | | 12/10/2014 | DRY | NP | NP | DRY |
| | | 3/12/2015 | DRY | NP | NP | DRY |
| | | 9/14/2015 | DRY | NP | NP | DRY |
| | | 6/13/2016 | DRY | NP | NP | DRY |
| | | 12/1/2016 | DRY | NP | NP | DRY |
| | | 6/28/2017 | DRY | NP | NP | DRY |
| | | 6/27/2018 | DRY | NP | NP | DRY |

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# TABLE 1
## Groundwater Elevation
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |
|---|---|---|---|---|---|---|
| **MW-2** | 6,222.98 | 6/25/2019 | DRY | NP | NP | DRY |
| **MW-2R** | 6,219.02** | 11/11/2019 | 63.35 | 63.33 | 0.02 | 6,155.69 |
| | | 3/3/2020 | 63.41 | NP | NP | 6,155.61 |
| | | 3/11/2020 | 63.43 | NP | NP | 6,155.59 |
| | | 6/8/2020 | 63.52 | NP | NP | 6,155.50 |
| | | 9/21/2020 | 63.98 | NP | NP | 6,155.04 |
| | | 12/11/2020 | 64.10 | NP | NP | 6,154.92 |
| | | 3/8/2021 | 64.20 | NP | NP | 6,154.82 |
| | | 5/19/2021 | 64.19 | NP | NP | 6,154.83 |
| | | 7/27/2021 | 64.48 | NP | NP | 6,154.54 |
| | | 12/2/2021 | 64.81 | NP | NP | 6,154.21 |
| | | 2/11/2022 | 66.83 | 66.82 | 0.01 | 6,152.20 |
| | | 5/31/2022 | 64.84 | 64.83 | 0.01 | 6,154.19 |
| | | 9/12/2022 | 65.18 | NP | NP | 6,153.84 |
| | | 12/6/2022 | 65.22 | NP | NP | 6,153.80 |
| **MW-3** | DEST | 2/27/2013 | DEST | DEST | DEST | DEST |
| **MW-3R** | 6,218.10 | 11/11/2019 | 62.69 | NP | NP | 6,155.41 |
| | | 3/3/2020 | 62.66 | NP | NP | 6,155.44 |
| | | 3/11/2020 | 62.73 | NP | NP | 6,155.37 |
| | | 6/8/2020 | 62.86 | NP | NP | 6,155.24 |
| | | 9/11/220 | 63.32 | NP | NP | 6,154.78 |
| | | 12/11/2020 | 63.38 | NP | NP | 6,154.72 |
| | | 5/19/2021 | 63.49 | NP | NP | 6,154.61 |
| | | 7/27/2021 | 63.81 | NP | NP | 6,154.29 |
| | | 12/2/2021 | 64.10 | NP | NP | 6,154.00 |
| | | 2/11/2022 | 64.09 | NP | NP | 6,154.01 |
| | | 5/31/2022 | 64.15 | NP | NP | 6,153.95 |
| | | 9/12/2022 | 64.47 | NP | NP | 6,153.63 |
| | | 12/6/2022 | 64.52 | NP | NP | 6,153.58 |
| **MW-4** | 6,210.56 | 2/27/2013 | 59.87 | NP | NP | 6,150.69 |
| | 6,218.14* | 6/27/2013 | 60.02 | NP | NP | 6,158.12 |
| | | 9/23/2013 | 60.39 | NP | NP | 6,157.75 |
| | | 12/4/2013 | 60.15 | NP | NP | 6,157.99 |
| | | 3/20/2014 | 60.18 | NP | NP | 6,157.96 |
| | | 6/10/2014 | 60.27 | NP | NP | 6,157.87 |
| | | 9/15/2014 | 60.32 | NP | NP | 6,157.82 |
| | | 12/10/2014 | 60.78 | NP | NP | 6,157.36 |
| | | 3/12/2015 | 60.64 | NP | NP | 6,157.50 |
| | | 9/14/2015 | 60.98 | NP | NP | 6,157.16 |
| | | 6/13/2016 | 60.73 | NP | NP | 6,157.41 |
| | | 12/1/2016 | 61.15 | NP | NP | 6,156.99 |
| | | 6/28/2017 | 61.17 | NP | NP | 6,156.97 |
| | | 6/27/2018 | 61.86 | NP | NP | 6,156.28 |

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# TABLE 1
## Groundwater Elevation
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |
|---|---|---|---|---|---|---|
| MW-4 | 6,218.14* | 6/25/2019 | 64.08 | 61.92 | 2.16 | 6,155.79 |
| | 6,218.40 | 11/11/2019 | 63.71 | 62.28 | 1.43 | 6,155.83 |
| | | 3/3/2020 | 63.31 | 63.01 | 0.30 | 6,155.33 |
| | | 3/11/2020 | 63.4 | 63.08 | 0.32 | 6,155.26 |
| | | 6/8/2020 | 63.44 | 63.14 | 0.30 | 6,155.20 |
| | | 9/21/2020 | 63.67 | NP | NP | 6,154.73 |
| | | 12/11/2020 | 63.74 | NP | NP | 6,154.66 |
| | | 3/8/2021 | 63.81 | NP | NP | 6,154.59 |
| | | 5/19/2021 | 63.85 | NP | NP | 6,154.55 |
| | | 7/27/2021 | 64.18 | NP | NP | 6,154.22 |
| | | 12/2/2021 | 64.50 | 64.45 | 0.05 | 6,153.94 |
| | | 2/11/2022 | 64.46 | NP | NP | 6,153.94 |
| | | 5/31/2022 | 64.54 | 64.53 | 0.01 | 6,153.87 |
| | | 9/12/2022 | 64.85 | 64.83 | 0.02 | 6,153.57 |
| | | 12/6/2022 | 64.98 | NP | NP | 6,153.42 |
| MW-5 | 6,212.18 | 2/27/2013 | 63.19 | 60.94 | 2.25 | 6,150.79 |
| | 6,220.03* | 6/27/2013 | 63.52 | 61.31 | 2.21 | 6,158.28 |
| | | 9/23/2013 | 63.55 | 61.79 | 1.76 | 6,157.89 |
| | | 12/4/2013 | 63.15 | 61.62 | 1.53 | 6,158.10 |
| | | 3/20/2014 | 63.19 | 61.63 | 1.56 | 6,158.09 |
| | | 6/10/2014 | 63.31 | 61.73 | 1.58 | 6,157.98 |
| | | 9/15/2014 | 63.33 | 61.80 | 1.53 | 6,157.92 |
| | | 12/10/2014 | 63.38 | 62.28 | 1.10 | 6,157.53 |
| | | 3/12/2015 | 63.99 | 62.05 | 1.94 | 6,157.59 |
| | | 9/14/2015 | 64.28 | 62.36 | 1.92 | 6,157.29 |
| | | 6/13/2016 | 63.88 | 62.13 | 1.75 | 6,157.55 |
| | | 12/1/2016 | 64.31 | 62.58 | 1.73 | 6,157.10 |
| | | 6/28/2017 | 64.32 | 62.56 | 1.76 | 6,157.12 |
| | | 6/27/2018 | 64.97 | 63.26 | 1.71 | 6,156.43 |
| | | 6/25/2019 | 65.45 | 63.99 | 1.46 | 6,155.75 |
| MW-5R | 6217.63** | 11/11/2019 | 62.22 | 62.19 | 0.03 | 6,155.43 |
| | | 3/3/2020 | 62.18 | NP | NP | 6,155.45 |
| | | 3/11/2020 | 62.26 | NP | NP | 6,155.37 |
| | | 6/8/2020 | 62.34 | NP | NP | 6,155.29 |
| | | 9/11/2020 | 62.84 | NP | NP | 6,154.79 |
| | | 12/11/2020 | 62.91 | NP | NP | 6,154.72 |
| | | 3/8/2021 | 62.99 | NP | NP | 6,154.64 |
| | | 5/19/2021 | 63.03 | NP | NP | 6,154.60 |
| | | 7/27/2021 | 63.32 | NP | NP | 6,154.31 |
| | | 12/2/2021 | 63.62 | NP | NP | 6,154.01 |
| | | 2/11/2022 | 63.62 | NP | NP | 6,154.01 |
| | | 5/31/2022 | 63.67 | NP | NP | 6,153.96 |
| | | 9/12/2022 | 64.01 | NP | NP | 6,153.62 |
| | | 12/6/2022 | 64.05 | NP | NP | 6,153.58 |

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# TABLE 1
## Groundwater Elevation
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |
|---|---|---|---|---|---|---|
| MW-6 | 6,211.23 | 2/27/2013 | 60.68 | NP | NP | 6,150.55 |
| | 6,218.82* | 6/27/2013 | 60.95 | NP | NP | 6,157.87 |
| | | 9/23/2013 | 61.26 | NP | NP | 6,157.56 |
| | | 12/4/2013 | 60.93 | NP | NP | 6,157.89 |
| | | 3/20/2014 | 60.98 | NP | NP | 6,157.84 |
| | 6,219.03** | 6/10/2014 | 61.16 | NP | NP | 6,157.66 |
| | | 9/15/2014 | 61.14 | NP | NP | 6,157.68 |
| | | 12/10/2014 | 61.58 | NP | NP | 6,157.24 |
| | | 3/12/2015 | 61.80 | NP | NP | 6,157.02 |
| | | 9/14/2015 | 61.90 | NP | NP | 6,156.92 |
| | | 6/13/2016 | DRY | NP | NP | DRY |
| | | 12/1/2016 | 61.97 | NP | NP | 6,156.85 |
| | | 6/28/2017 | 62.06 | NP | NP | 6,156.76 |
| | | 6/27/2018 | DRY | NP | NP | DRY |
| | | 6/25/2019 | DRY | NP | NP | DRY |
| | | 11/11/2019 | DRY | NP | NP | DRY |
| | | 3/3/2020 | DRY | NP | NP | DRY |
| | | 3/11/2020 | DRY | NP | NP | DRY |
| | | 6/8/2020 | DRY | NP | NP | DRY |
| | | 9/21/2020 | DRY | NP | NP | DRY |
| | | 12/11/2020 | DRY | NP | NP | DRY |
| | | 3/8/2021 | DRY | NP | NP | DRY |
| | | 5/19/2021 | DRY | NP | NP | DRY |
| | | 7/27/2021 | DRY | NP | NP | DRY |
| | | 12/2/2021 | DRY | NP | NP | DRY |
| | | 2/11/2022 | DRY | NP | NP | DRY |
| | | 5/31/2022 | DRY | NP | NP | DRY |
| | | 9/12/2022 | DRY | NP | NP | DRY |
| | | 12/6/2022 | DRY | NP | NP | DRY |
| MW-7 | 6,209.18 | 2/27/2013 | 58.68 | NP | NP | 6,150.50 |
| | 6,216.82* | 6/27/2013 | 58.84 | NP | NP | 6,157.98 |
| | | 9/23/2013 | 59.21 | NP | NP | 6,157.61 |
| | | 12/4/2013 | 58.94 | NP | NP | 6,157.88 |
| | | 3/20/2014 | 58.97 | NP | NP | 6,157.85 |
| | | 6/10/2014 | 59.09 | NP | NP | 6,157.73 |
| | | 9/15/2014 | 59.05 | NP | NP | 6,157.77 |
| | | 12/10/2014 | 59.59 | NP | NP | 6,157.23 |
| | | 3/12/2015 | 59.48 | NP | NP | 6,157.34 |
| | | 9/14/2015 | 59.81 | NP | NP | 6,157.01 |
| | | 6/13/2016 | 59.60 | NP | NP | 6,157.22 |
| | | 12/1/2016 | 59.97 | NP | NP | 6,156.85 |
| | | 6/28/2017 | 59.99 | NP | NP | 6,156.83 |
| | | 6/27/2018 | 60.65 | NP | NP | 6,156.17 |
| | | 6/25/2019 | 61.23 | NP | NP | 6,155.59 |

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# TABLE 1
## Groundwater Elevation
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Top of Casing Elevation (feet AMSL) | Date | Depth to Groundwater (feet BTOC) | Depth to Product (feet BTOC) | Product Thickness (feet) | Groundwater Elevation (feet AMSL) |
|---|---|---|---|---|---|---|
| **MW-7** | 6,217.08** | 11/11/2019 | 61.86 | NP | NP | 6,155.22 |
| | | 3/3/2020 | 61.80 | NP | NP | 6,155.28 |
| | | 3/11/2020 | 61.86 | NP | NP | 6,155.22 |
| | | 6/8/2020 | 61.98 | NP | NP | 6,155.10 |
| | | 9/11/2020 | 62.46 | NP | NP | 6,154.62 |
| | | 12/11/2020 | 62.54 | NP | NP | 6,154.54 |
| | | 3/8/2021 | 62.62 | NP | NP | 6,154.46 |
| | | 5/19/2021 | 62.66 | NP | NP | 6,154.42 |
| | | 7/27/2021 | 62.96 | NP | NP | 6,154.12 |
| | | 12/2/2021 | 63.22 | NP | NP | 6,153.86 |
| | | 2/11/2022 | 61.23 | NP | NP | 6,155.85 |
| | | 5/31/2022 | 63.28 | NP | NP | 6,153.80 |
| | | 9/12/2022 | 63.61 | NP | NP | 6,153.47 |
| | | 12/6/2022 | 63.61 | NP | NP | 6,153.47 |
| **MW-8** | 6,222.03 | 11/11/2019 | 64.59 | NP | NP | 6,157.44 |
| | | 3/3/2020 | 64.61 | NP | NP | 6,157.42 |
| | | 3/11/2020 | 64.84 | NP | NP | 6,157.19 |
| | | 6/8/2020 | 64.85 | NP | NP | 6,157.18 |
| | | 9/21/2020 | 65.50 | NP | NP | 6,156.53 |
| | | 12/11/2020 | 65.40 | NP | NP | 6,156.63 |
| | | 3/8/2021 | 65.74 | NP | NP | 6,156.29 |
| | | 5/19/2021 | 65.73 | NP | NP | 6,156.30 |
| | | 7/27/2021 | 66.08 | NP | NP | 6,155.95 |
| | | 12/2/2021 | 66.33 | NP | NP | 6,155.70 |
| | | 2/11/2022 | 66.25 | NP | NP | 6,155.78 |
| | | 5/31/2022 | 66.38 | NP | NP | 6,155.65 |
| | | 9/12/2022 | 66.68 | NP | NP | 6,155.35 |
| | | 12/6/2022 | 66.66 | NP | NP | 6,155.37 |

***Notes:***

*AMSL: above mean sea level*

*BTOC: below top of casing*

*DEST: well has been destroyed*

*NP: no product detected*

** Top of casing elevation was resurveyed on 6/21/13*

*** Top of casing elevation resurveyed on 11/15/2019*

*Groundwater elevation is adjusted using a density correction factor of 0.8 when product is present*

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW01** | 5/25/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 9/20/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 12/8/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 3/14/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 6/8/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 11/14/2000 | <1 | <1 | <1 | <1 |
| | 1/5/2001 | <1 | <1 | <1 | <1 |
| | 10/2/2001 | <1.0 | <2.0 | <2.0 | <2.0 |
| | 9/21/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 3/3/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/15/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/19/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/26/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/10/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/18/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/4/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 7/8/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/21/2009 | <1.0 | <1.0 | <1.0 | 3.0 |
| | 3/30/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/18/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/3/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/2/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/15/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/14/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 1/10/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 4/4/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 10/2/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/27/2013 | <2.0 | <2.0 | <2.0 | <4.0 |
| | 11/11/2019 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/8/2020 | DRY | DRY | DRY | DRY |
| | 5/19/2021 | DRY | DRY | DRY | DRY |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW01** | 5/31/2022 | DRY | DRY | DRY | DRY |
| **MW-2** | 5/25/1999 | NS | NS | NS | NS |
| | 9/20/1999 | NS | NS | NS | NS |
| | 12/8/1999 | **19,000** | **34,000** | **1,000** | **8,700** |
| | 3/14/2000 | **17,000** | **31,000** | **9,200** | **7,800** |
| | 6/8/2000 | **16,000** | **33,000** | **970** | **8,600** |
| | 10/2/2001 | **16,000** | **36,000** | **730** | **7,300** |
| | 3/13/2002 | **12,000** | **23,000** | **870** | **7,900** |
| | 12/15/2003 | **11,000** | **27,000** | **700** | **6,100** |
| | 4/4/2012 | NS | NS | NS | NS |
| | 6/13/2012 | NS | NS | NS | NS |
| | 10/2/2012 | NS | NS | NS | NS |
| | 12/13/2012 | NS | NS | NS | NS |
| | 2/27/2013 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/21/2013 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 9/23/2013 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 12/4/2013 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 3/20/2014 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/10/2014 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 9/15/2014 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 12/10/2014 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 3/12/2015 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 9/14/2015 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/13/2016 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 12/1/2016 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/28/2017 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/27/2018 | NS-IW | NS-IW | NS-IW | NS-IW |
| **MW-2R** | 11/11/2019 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/8/2020 | **310** | 240 | 170 | **1,900** |
| | 5/19/2021 | **690** | 300 | 250 | 250 |
| | 5/31/2022 | NS-FP | NS-FP | NS-FP | NS-FP |
| **MW-3** | 5/25/1999 | NS | NS | NS | NS |
| | 9/20/1999 | NS | NS | NS | NS |
| | 12/8/1999 | NS | NS | NS | NS |
| | 3/14/2000 | NS | NS | NS | NS |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| NMWQCC Standard (µg/L) | | 5 | 1,000 | 700 | 620 |
| MW-3 | 6/8/2000 | NS | NS | NS | NS |
| | 3/8/2005 | NS | NS | NS | NS |
| | 4/4/2012 | NS | NS | NS | NS |
| | 6/13/2012 | NS | NS | NS | NS |
| | 10/2/2012 | NS | NS | NS | NS |
| | 12/13/2012 | NS | NS | NS | NS |
| | 2/27/2013 | DEST | DEST | DEST | DEST |
| MW-3R | 11/11/2019 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/8/2020 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 5/19/2021 | <1.0 | <1.0 | <1.0 | <1.5 |
| | 5/31/2022 | <1.0 | <1.0 | <1.0 | <1.5 |
| MW-4 | 5/25/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 9/20/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 12/8/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 3/14/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 6/8/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 11/14/2000 | <1 | <1 | <1 | <1 |
| | 1/5/2001 | <1 | <1 | <1 | <1 |
| | 10/2/2001 | <1.0 | <2.0 | <2.0 | <2.0 |
| | 12/15/2003 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/21/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 3/3/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/17/2005 | <2.0 | 2.9 | <2.0 | <5.0 |
| | 9/15/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/2/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/19/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/26/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/10/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/18/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/4/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 7/8/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/18/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2010 | <1.0 | <1.0 | <1.0 | <3.0 |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW-4** | 12/3/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/2/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/15/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/14/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 1/10/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 4/4/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 10/2/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/27/2013 | <2.0 | <2.0 | <2.0 | <4.0 |
| | 11/11/2019 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/8/2020 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 5/19/2021 | **290** | <10 | 330 | **870** |
| | 5/31/2022 | NS-FP | NS-FP | NS-FP | NS-FP |
| **MW-5** | 5/25/1999 | NS | NS | NS | NS |
| | 9/20/1999 | NS | NS | NS | NS |
| | 12/8/1999 | **900** | **3,100** | 380 | **3,090** |
| | 3/14/2000 | **290** | 340 | 190 | **1,300** |
| | 6/8/2000 | **670** | 38 | 280 | **1,685** |
| | 11/14/2000 | **814** | 28.2 | 210 | 569 |
| | 1/5/2001 | **1,780** | 44.9 | 252 | 598 |
| | 10/2/2001 | **6,200** | 210 | 610 | 510 |
| | 3/13/2002 | **3,700** | 200 | 370 | 380 |
| | 12/2/2004 | **8,500** | **1,000** | 280 | **740** |
| | 3/3/2005 | **6,600** | **2,500** | 290 | **2,400** |
| | 6/22/2006 | 6.6 | 1.0 | <1.0 | <3.0 |
| | 9/19/2006 | **3,800** | **919** | 163 | **928** |
| | 4/4/2012 | NS | NS | NS | NS |
| | 6/13/2012 | NS | NS | NS | NS |
| | 10/2/2012 | NS | NS | NS | NS |
| | 12/13/2012 | **11,800** | **1,270** | **7,620** | **8,910** |
| | 2/27/2013 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/21/2013 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 9/23/2013 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 12/4/2013 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 3/20/2014 | NS-FP | NS-FP | NS-FP | NS-FP |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW-5** | 6/10/2014 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 9/15/2014 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 12/10/2014 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 3/12/2015 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 9/14/2015 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/13/2016 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 12/1/2016 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/28/2017 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/27/2018 | NS-FP | NS-FP | NS-FP | NS-FP |
| **MW-5R** | 11/11/2019 | NS-FP | NS-FP | NS-FP | NS-FP |
| | 6/8/2020 | **5.4** | <1.0 | <1.0 | <2.0 |
| | 5/19/2021 | 1.6 | <1.0 | <1.0 | <1.5 |
| | 5/31/2022 | <2.0 | <2.0 | <2.0 | <3.0 |
| **MW-6** | 5/25/1999 | NS | NS | NS | NS |
| | 9/20/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 12/8/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 3/14/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 6/8/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 11/14/2000 | <1 | <1 | <1 | <1 |
| | 1/5/2001 | <1 | <1 | <1 | <1 |
| | 3/13/2002 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/15/2003 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/21/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 3/3/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/17/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/15/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/22/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/19/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/26/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/10/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/18/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/4/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 7/8/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2009 | <1.0 | <1.0 | <1.0 | <3.0 |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| NMWQCC Standard (µg/L) | | 5 | 1,000 | 700 | 620 |
| MW-6 | 12/21/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/30/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/18/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/3/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/2/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/15/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/14/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 1/10/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 4/4/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 10/2/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/27/2013 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/21/2013 | <1.0 | 9.8 | <1.0 | 12 |
| | 11/11/2019 | NS-IW | NS-IW | NS-IW | NS-IW |
| | 6/8/2020 | DRY | DRY | DRY | DRY |
| | 5/16/2021 | DRY | DRY | DRY | DRY |
| | 5/31/2022 | DRY | DRY | DRY | DRY |
| MW-7 | 5/25/1999 | NS | NS | NS | NS |
| | 9/20/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 12/8/1999 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 3/14/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 6/8/2000 | <0.5 | <0.5 | <0.5 | <1.5 |
| | 11/14/2000 | <1 | <1 | <1 | <1 |
| | 1/5/2001 | <1 | <1 | <1 | <1 |
| | 3/13/2002 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/15/2003 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/21/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2004 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 3/3/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/17/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 9/15/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 12/2/2005 | <2.0 | <2.0 | <2.0 | <5.0 |
| | 6/22/2006 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/19/2006 | <1.0 | <1.0 | <1.0 | <3.0 |

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# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW-7** | 3/26/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/10/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/18/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/4/2008 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 7/8/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/21/2009 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/30/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/18/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/9/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/3/2010 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 3/2/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/15/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 9/14/2011 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 1/10/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 4/4/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 6/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 10/2/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 12/13/2012 | <1.0 | <1.0 | <1.0 | <3.0 |
| | 2/27/2013 | <2.0 | <2.0 | <2.0 | <4.0 |
| | 6/21/2013 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/28/2017 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/27/2018 | <1.0 | <1.0 | <1.0 | <1.5 |
| | 6/25/2019 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 11/11/2019 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/8/2020 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 5/19/2021 | <2.0 | <2.0 | <2.0 | <3.0 |
| | 5/31/2022 | <2.0 | <2.0 | <2.0 | <3.0 |

ENSOLUM

# TABLE 2
## Groundwater Analytical Results
## Davis #1A
## Harvest Four Corners, LLC
## San Juan County, New Mexico

| Well Identification | Sample Date | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Total Xylenes (µg/L) |
|---|---|---|---|---|---|
| **NMWQCC Standard (µg/L)** | | **5** | **1,000** | **700** | **620** |
| **MW-8** | 11/11/2019 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 6/8/2020 | <1.0 | <1.0 | <1.0 | <2.0 |
| | 5/19/2021 | <2.0 | <2.0 | <2.0 | <3.0 |
| | 5/31/2022 | <2.0 | <2.0 | <2.0 | <3.0 |

***Notes:***

*µg/L: milligrams per liter*

*NS-IW: not sampled insufficient water*

*NS-FP: not sampled free product*

*NMWQCC: New Mexico Water Quality Control Commission*

*DEST: well has been destroyed*

*<0.037: indicates result less than the stated laboratory reporting limit (RL)*

*Concentrations in **bold** and shaded exceed the New Mexico Water Quality Control Commission Standards, 20.6.2 of the New Mexico Administrative Code*

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# APPENDIX A

# Groundwater Collection Forms

## Groundwater Sample Collection Form

Project Name: Davis #1A
Project Number:
Sample Location: Davis #1A
Sampler: GP
Sample Date: 5/31/2022
Sample Time: 13:00
Sample ID: MW-3R
Analyses:
Matrix:

Depth to Water: 64.15
Time:
Total Depth of Well: 74.23
Depth to Product:

Vol. of Water to Purge: (74.23 - 64.15) · 0.1631 · 3 = 5
(height of water column * 0.1631 for 2" well or 0.6528 for 4" well) * 3 well vols

Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

| Time | Vol. Removed | Total Vol. Removed (gallons) | pH (std. units) | Temp. (F) | Conductivity (us or ms) | Dissolved Oxygen (% or mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 1240 | 1 | 1 | 7.02 | 16.87 | .3535.6 | 2.45 | 37.6 | brown, turbid, no odor |
| 1248 | 1 | ~~1~~ 2 | 7.03 | 16.16 | 3740.5 | 2.69 | 11.5 | SAA |
| 1251 | 1.5 | ~~1.5~~ 3.5 | 7.08 | 16.01 | 4008.7 | 2.75 | 0.7 | SAA |
| 1257 | 1.5 | ~~2~~ 5 | 7.08 | 16.07 | 3698.1 | 3.01 | 1.7 | SAA |

Comments:

Describe Deviations from SOP:

Signature: Brandt Pabst
Date: 5/31/2022

## Groundwater Sample Collection Form

Project Name: Davis #1A
Project Number:

Sample Location: Davis #1A Sampler: GP

Sample Date:
Sample Time: 14:00
Sample ID: MW-5R
Analyses:
Matrix:

Depth to Water: 63.67
Time:

Total Depth of Well: 66.45
Depth to Product:

Vol. of Water to Purge: (66.45 - 63.67) * 0.1631 * 3 = 1.5 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

| Time | Vol. Removed | Total Vol. Removed (gallons) | pH (std. units) | Temp. (F) | Conductivity (us or ms) | Dissolved Oxygen (% or mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 1345 | 1 | 1 | 7.28 | 19.58 | 3844.3 | 2.75 | -19.2 | grey/green, turbid, no odor |

Comments: Well began bailing dry after removing ~1 gal, Sample taken

Describe Deviations from SOP:

Signature: Gregory Pabon Date: 5/31/2022

## Groundwater Sample Collection Form

Project Name: Davis #1 A
Project Number:
Sample Location: Davis #1 A
Sampler: GP
Sample Date:
Sample Time: 13:20
Sample ID: MW-7
Analyses:
Matrix:

Depth to Water: 63.28
Time: 13:20
Total Depth of Well: 66.82
Depth to Product:

Vol. of Water to Purge: (66.82-63.28) * 0.1631 * 3 = 1.7 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

| Time | Vol. Removed | Total Vol. Removed (gallons) | pH (std. units) | Temp. (F) | Conductivity (us or ms) | Dissolved Oxygen (% or mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 1311 | 0.5 | 0.5 | 7.40 | 16.70 | 6918.7 | 4.24 | 60.9 | brown, faint, no odor |
| 1315 | 0.5 | 1 | 7.31 | 16.44 | 6377.4 | 3.57 | 56.0 | SAA |

Comments: Well began bailing dry after removing ~1 gal, sample taken

Describe Deviations from SOP:

Signature: Gregory Pollard Date: 5/31/2022

## Groundwater Sample Collection Form

Project Name: Davis #1A
Project Number:
Sample Location: Davis #1A
Sampler: GP
Sample Date:
Sample Time: 14:30
Sample ID: MW-8
Analyses:
Matrix:
Depth to Water: 66.38
Time:
Total Depth of Well: 76.3
Depth to Product:
Vol. of Water to Purge: 5.6 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

| Time | Vol. Removed | Total Vol. Removed (gallons) | pH (std. units) | Temp. (F) | Conductivity (us or ms) | Dissolved Oxygen (% or mg/L) | ORP (mV) | Comments |
|---|---|---|---|---|---|---|---|---|
| 1410 | 1 | 1 | 7.43 | 15.96 | 3709.3 | 3.36 | -34.2 | grey, turbid, no odor |
| 1414 | 1 | 2 | 7.35 | 15.69 | 2669.4 | 2.65 | -33.7 | SAA |
| 1421 | 1.5 | 3.5 | 7.37 | 15.67 | 2300.3 | 3.05 | -35.2 | SAA |
| 1428 | 1.5 | 5 | 7.34 | 15.46 | 3539.6 | 2.70 | -32.2 | SAA |

Comments: well began bailing dry after removing ~ 5 gal, sample taken

Describe Deviations from SOP:

Signature: Gregory Pulse Date: 5/31/2022

ENSOLUM

# APPENDIX B

# Laboratory Analytical Report

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

June 10, 2022

Brooke Herb

Harvest
1755 Arroyo Dr.
Bloomfield, NM 87413
TEL: (505) 632-4475
FAX:

RE: Davis 1A OrderNo.: 2206008

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/1/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

**Analytical Report**
Lab Order **2206008**
Date Reported: **6/10/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Harvest **Client Sample ID:** MW-3R
**Project:** Davis 1A **Collection Date:** 5/31/2022 1:00:00 PM
**Lab ID:** 2206008-001 **Matrix:** GROUNDWA **Received Date:** 6/1/2022 7:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8260: VOLATILES SHORT LIST** | | | | | | Analyst: **CCM** | |
| Benzene | ND | 1.0 | | µg/L | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Toluene | ND | 1.0 | | µg/L | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Surr: 1,2-Dichloroethane-d4 | 91.4 | 70-130 | | %Rec | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Surr: Dibromofluoromethane | 99.0 | 70-130 | | %Rec | 1 | 6/3/2022 5:07:00 PM | SL88455 |
| Surr: Toluene-d8 | 98.3 | 70-130 | | %Rec | 1 | 6/3/2022 5:07:00 PM | SL88455 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Estimated value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206008**
Date Reported: **6/10/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Harvest **Client Sample ID:** MW-7
**Project:** Davis 1A **Collection Date:** 5/31/2022 1:20:00 PM
**Lab ID:** 2206008-002 **Matrix:** GROUNDWA **Received Date:** 6/1/2022 7:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8260: VOLATILES SHORT LIST** | | | | | | Analyst: **CCM** | |
| Benzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Toluene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Ethylbenzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Xylenes, Total | ND | 3.0 | | µg/L | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Surr: 1,2-Dichloroethane-d4 | 91.8 | 70-130 | | %Rec | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Surr: Dibromofluoromethane | 100 | 70-130 | | %Rec | 2 | 6/3/2022 6:17:00 PM | SL88455 |
| Surr: Toluene-d8 | 99.1 | 70-130 | | %Rec | 2 | 6/3/2022 6:17:00 PM | SL88455 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Estimated value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206008**
Date Reported: **6/10/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Harvest **Client Sample ID:** MW-5R
**Project:** Davis 1A **Collection Date:** 5/31/2022 2:00:00 PM
**Lab ID:** 2206008-003 **Matrix:** GROUNDWA **Received Date:** 6/1/2022 7:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8260: VOLATILES SHORT LIST** | | | | | | Analyst: **CCM** | |
| Benzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Toluene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Ethylbenzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Xylenes, Total | ND | 3.0 | | µg/L | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Surr: 1,2-Dichloroethane-d4 | 93.1 | 70-130 | | %Rec | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Surr: Dibromofluoromethane | 100 | 70-130 | | %Rec | 2 | 6/3/2022 6:40:00 PM | SL88455 |
| Surr: Toluene-d8 | 98.8 | 70-130 | | %Rec | 2 | 6/3/2022 6:40:00 PM | SL88455 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Estimated value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

**Analytical Report**
Lab Order **2206008**
Date Reported: **6/10/2022**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Harvest **Client Sample ID:** MW-8
**Project:** Davis 1A **Collection Date:** 5/31/2022 2:30:00 PM
**Lab ID:** 2206008-004 **Matrix:** GROUNDWA **Received Date:** 6/1/2022 7:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8260: VOLATILES SHORT LIST** | | | | | | Analyst: **CCM** | |
| Benzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Toluene | ND | 2.0 | | µg/L | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Ethylbenzene | ND | 2.0 | | µg/L | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Xylenes, Total | ND | 3.0 | | µg/L | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Surr: 1,2-Dichloroethane-d4 | 92.6 | 70-130 | | %Rec | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | 2 | 6/3/2022 7:04:00 PM | SL88455 |
| Surr: Toluene-d8 | 98.8 | 70-130 | | %Rec | 2 | 6/3/2022 7:04:00 PM | SL88455 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Estimated value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2206008**

***10-Jun-22***

**Client:** Harvest

**Project:** Davis 1A

| Sample ID: **100ng lcs** | SampType: **LCS** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **SL88455** | RunNo: **88455** |
| Prep Date: | Analysis Date: **6/3/2022** | SeqNo: **3139592** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 20 | 1.0 | 20.00 | 0 | 98.4 | 70 | 130 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 104 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.1 | | 10.00 | | 91.3 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.8 | | 10.00 | | 98.0 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.7 | | 10.00 | | 96.7 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 98.2 | 70 | 130 | | | |

| Sample ID: **mb** | SampType: **MBLK** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **SL88455** | RunNo: **88455** |
| Prep Date: | Analysis Date: **6/3/2022** | SeqNo: **3139593** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.5 | | 10.00 | | 95.1 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 9.7 | | 10.00 | | 97.3 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.9 | | 10.00 | | 99.1 | 70 | 130 | | | |

| Sample ID: **2206008-001ams** | SampType: **MS** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **MW-3R** | Batch ID: **SL88455** | RunNo: **88455** |
| Prep Date: | Analysis Date: **6/3/2022** | SeqNo: **3139595** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 20 | 1.0 | 20.00 | 0 | 101 | 70 | 130 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0.2040 | 106 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.4 | | 10.00 | | 94.5 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 9.9 | | 10.00 | | 99.3 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 98.4 | 70 | 130 | | | |

| Sample ID: **2206008-001amsd** | SampType: **MSD** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **MW-3R** | Batch ID: **SL88455** | RunNo: **88455** |
| Prep Date: | Analysis Date: **6/3/2022** | SeqNo: **3139596** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | 19 | 1.0 | 20.00 | 0 | 95.9 | 70 | 130 | 5.11 | 20 | |
| Toluene | 20 | 1.0 | 20.00 | 0.2040 | 101 | 70 | 130 | 4.78 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of range due to dilution or matrix interference |
| B | Analyte detected in the associated Method Blank |
| E | Estimated value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2206008**

***10-Jun-22***

**Client:** Harvest

**Project:** Davis 1A

| Sample ID: **2206008-001amsd** | SampType: **MSD** | TestCode: **EPA Method 8260: Volatiles Short List** |
|---|---|---|
| Client ID: **MW-3R** | Batch ID: **SL88455** | RunNo: **88455** |
| Prep Date: | Analysis Date: **6/3/2022** | SeqNo: **3139596** Units: **µg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Surr: 1,2-Dichloroethane-d4 | 9.2 | | 10.00 | | 92.4 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 100 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 9.8 | | 10.00 | | 98.3 | 70 | 130 | 0 | 0 | |
| Surr: Toluene-d8 | 9.8 | | 10.00 | | 98.5 | 70 | 130 | 0 | 0 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Estimated value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of range due to dilution or matrix interference | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: **Harvest** Work Order Number: **2206008** RcptNo: 1

Received By: **Cheyenne Cason** 6/1/2022 7:10:00 AM

Completed By: **Cheyenne Cason** 6/1/2022 7:50:16 AM

Reviewed By: IO 6.01.22

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | Courier | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☑ | No ☐ | NA ☐ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: CMC 6/1/22

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.8 | Good | Yes | | | |

# Chain-of-Custody Record

Client: Harvest Midstream

Monica Smith

Mailing Address:

Phone #:

email or Fax#: monica.smith@harvestmidstream.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: DavB #1A

Project #:

Project Manager: Brooke Herb

Sampler: Greg Palese

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.9 - 0.1 = 0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2206008 | BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, $NO_3$, $NO_2$, $PO_4$, $SO_4$ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5/31 | 1300 | GW | MW-3R | 3 voa | HCl | 001 | X | | | | | | | | | |
| | 1320 | | MW-7 | | | 002 | X | | | | | | | | | |
| | 1400 | | MW-5R | | | 003 | X | | | | | | | | | |
| ↓ | 1430 | ↓ | MW-4 | ↓ | ↓ | 004 | X | | | | | | | | | |

Analysis Request

Remarks:

cc: Bherb@ensolum.com

gpalese@ensolume.com

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 5/31 | 15:38 | Gregory Palese | | | | |
| 5/31/22 | 1749 | | | | 5/31/22 | 1535 |
| | | | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | Courier | 6/1/22 | 0710 |

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

**District I**
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505

CONDITIONS

Action 202506

## CONDITIONS

| | |
|---|---|
| Operator:<br>Harvest Four Corners, LLC<br>1755 Arroyo Dr<br>Bloomfield, NM 87413 | OGRID:<br>373888 |
| | Action Number:<br>202506 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| michael.buchanan | Review of the 2022 Annual Groundwater Report for Davis #1A: Content Satisfactory 1. Continue to recover LNAPL in wells and utilize pumps when necessary as absorbent socks are not considered a remediation method. 2. Continue to conduct groundwater monitoring annually as prescribed. 3. Continue to submit annual reports by April 1 of each calendar year. | 5/10/2024 |