REVIEWED
By Mike Buchanan at 10:55 am, May 13, 2024

ENSOLUM

March 22, 2024

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

Review of the 2023 Annual Groundwater Monitoring Report for Pritchard #2A: Content Satisfactory
1. Propose additional well installation for further delineation in the north and southwest portion to better characterize plume. Propose plan within sixty (60) days of receipt of this response from OCD.
2. Continue groundwater monitoring as prescribed every quarter for COCs.
3. Continue to manually bail LNAPL and utilize absorbent socks to recover product.
4. Submit next annual groundwater report by April 1, 2025.

Re: **2023 Annual Groundwater Monitoring Report**
Pritchard #2A
San Juan County, New Mexico
Harvest Four Corners, LLC
NMOCD Incident No: nAUTOfAB000453
Remediation Permit Number: 3RP-339-0

To Whom it May Concern:

Ensolum, LLC (Ensolum), on behalf of Harvest Four Corners, LLC (Harvest), has prepared this *2023 Annual Groundwater Monitoring Report* detailing groundwater monitoring activities completed in 2023 at the Pritchard #2A (Site), Remediation Permit (RP) Number 3RP-339-0 and Incident Number nAUTOfAB000453. The scope of this project entails continued collection of phase-separated hydrocarbon (PSH), and monitoring petroleum hydrocarbon impacts to groundwater, resulting from a release involving a former earthen dehydrator pit.

LOCATION

The Site is located at latitude 36.837444˚ and longitude -107.713236˚ in Unit J, Section 6, Township 30 North, Range 8 West (Figure 1). The Site is at the confluence of an unnamed tributary to La Manga Canyon, a tributary to Pump Canyon, in the San Juan Basin in San Juan County, New Mexico.

SITE HISTORY

The soil and groundwater impacts at the Site originated from two historical pits formerly operated by Gas Company of New Mexico (GCNM): a former dehydrator pit and a former abandoned pit, which are considered a single source due to their proximity to each other. In December 1997, approximately 800 cubic yards of impacted soil was excavated from the Site. Laboratory analytical results for soil samples collected from the floor of the two excavations indicated total petroleum hydrocarbons (TPH) - diesel range organics (DRO) and benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations exceeded the New Mexico Oil Conservation Division (NMOCD) standards. A groundwater sample collected from a monitoring well (MW-2) installed in the source area at approximately 76.5 feet below ground surface (bgs) contained 8,600 micrograms per liter (µg/L) of benzene. Sometime prior to April 2000, monitoring wells MW-1, MW-3, and MW-4 were installed, and in April 2000, MW-5 and MW-6 were installed at the Site. Williams Four Corners LLC (Williams) purchased the Site from Public Service Company of New Mexico (PNM) in 2000 and assumed environmental liability for the Site. Between 2000 and December 2017, Williams monitored groundwater levels and quality at the Site. Records regarding these activities are in previous groundwater reports submitted to the NMOCD.

On September 12, 2013, LT Environmental, Inc. (LTE) collected a sample of phase-separated hydrocarbons (PSH) from monitoring wells MW-2 and MW-4 for analysis of paraffins, isoparaffins, aromatics, naphthene, and olefins (PIANO) to speciate the chemical composition of the PSH and identify the potential for additional sources at the Site. The PSH samples collected indicated a natural gas condensate source; however, the results were inconclusive for differentiating two sources based on age or chemical composition. On November 5, 2013, LTE conducted a PSH bail down test in monitoring well MW-4 to assess potential PSH recovery options. All PSH was bailed down on November 5, 2013. PSH recovery was minimal, and only 12 percent (%) of the original PSH thickness had recovered within six days.

During 2018, Williams installed a solar powered pneumatic PSH recovery system in MW-6. Harvest purchased the facility from Williams on October 1, 2018, and retained LTE to continue operation and maintenance (O&M) of the PSH recovery system until its removal in November 2019. The PSH recovery system was rotated quarterly between Harvest sites and available to be reinstalled if a rebound in PSH thickness was observed in MW-6. The PSH recovery system was installed again in February 2020, moved in March 2020, and reinstalled from June 2020 to April 2021.

LTE conducted delineation activities in October 2019 by replacing damaged monitoring well MW-2 and installing monitoring wells MW-7 (downgradient point of compliance (POC)), MW-8 (cross-gradient), and MW-9 (downgradient POC).

In April 2022, Harvest retained Ensolum to continue groundwater monitoring and PSH recovery at the Site. In September 2022, Ensolum conducted additional delineation activities by drilling three soil borings and installing three monitoring wells, MW-10, MW-11, and MW-12, at the Site to further delineate petroleum hydrocarbon impacts to groundwater. Information detailing the 2022 delineation and groundwater monitoring activities can be found in the *2022 Annual Groundwater Monitoring Report* submitted by Ensolum to the NMOCD on March 30, 2023.

PSH RECOVERY

In November 2019, Harvest installed a solar powered pneumatic pumping recovery system in monitoring well MW-6. The pump utilizes a hydrophobic and oleophilic skimmer that floats on the water column to remove PSH from the water-PSH interface. The system cycles between vacuum and pressure to move PSH to the surface, where it is containerized. The recovery system was removed from the Site in April of 2021 because of the low volume of PSH at the Site. The recovery system removed approximately 44.2 gallons of PSH from monitoring well MW-6 prior to being removed. After the recovery system was removed, product recovery socks were installed in monitoring wells MW-4 and MW-6 for continued passive recovery of PSH. During the 2023 monitoring year, approximately 19 ounces of PSH was recovered from monitoring well MW-4, and 23 ounces of PSH was recovered from monitoring well MW-6.

GROUNDWATER AND PSH ELEVATIONS

Groundwater levels were monitored quarterly by recording depth to groundwater and depth to PSH in the existing monitoring wells with an oil/water interface probe. The interface probe was decontaminated with Alconox® soap and rinsed with distilled water prior to each measurement to avoid cross contamination. Top-of-casing elevations from the survey were used to calculate groundwater potentiometric elevations, draft groundwater contours, and determine groundwater flow direction. Quarterly groundwater elevations and potentiometric surface maps are presented on Figures 2 through 5.

SITE GROUNDWATER CLEANUP STANDARDS

The NMOCD requires groundwater-quality standards be met as presented by the New Mexico Water Quality Control Commission (NMWQCC) and listed in Title 20, Chapter 6, Part 2, Section 3103 (20.6.2.3103) of the New Mexico Administrative Code (NMAC). The following standards are presented for the constituents of concern (COCs) at the Site in micrograms per liter (µg/L):

- Benzene: 5 µg/L
- Toluene: 1,000 µg/L
- Ethylbenzene: 700 µg/L
- Total Xylenes: 620 µg/L

GROUNDWATER SAMPLING

On September 22 and September 23, 2023, monitoring wells MW-1, MW-2R, MW-5, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12 were purged and sampled using disposable polyethylene bailers. As groundwater was purged from each monitoring well, pH, electrical conductance (EC), and temperature, were recorded for determining stabilization conditions prior to sampling. Monitoring wells were purged until a total of three casing volumes were removed or the well was purged dry, indicating groundwater would be representative of aquifer conditions. Purged groundwater was containerized and disposed of at a nearby Harvest compressor station.

Groundwater samples were collected by filling three 40-milliliter (mL) glass vials from each well. The laboratory-supplied vials were filled and capped with zero headspace to prevent degradation of the sample. Samples were labeled with the date and time of collection, well designation, project name, sample collector's name, and parameters to be analyzed. They were immediately sealed, packed on ice, and submitted to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis of BTEX following U.S. EPA Method 8021B. Proper chain-of-custody procedures were followed documenting the date and time sampled, sample number, type of sample, sample collector's name, preservative used, analyses required, and sample collector's signature.

Monitoring well MW-3 was not sampled in 2023 due to an obstruction in the well. Monitoring wells MW-4 and MW-6 were not sampled in 2023 due to the presence of PSH.

RESULTS

Depth to groundwater information and groundwater analytical results are provided in Tables 1 and 2 respectively. Groundwater collection forms are included in Appendix A, analytical laboratory reports for the analyzed samples are included in Appendix B.

Groundwater elevation measurements were collected in March, June, September, and December 2023 within all wells. Based on data collected during the four quarterly events, the interpreted groundwater-flow direction is generally to the southeast (contours shown on Figures 2 through 5) and potentially affected by the dry wash. Contours were inferred based on groundwater elevations and physical characteristics at the Site (topography, proximity to arroyos, etc.).

All monitoring wells on Site, except for MW-3, MW-4, and MW-6, were sampled on September 21 and 22, 2023. Benzene was detected in monitoring wells MW-1, MW-2R, MW-5, and MW-11 at concentrations of 9.2 µg/L, 72 µg/L, 55 µg/L, and 6.8 µg/L, respectively, which all exceed the NMWQCC standard. Trace to 0.01 feet of PSH was observed in monitoring wells MW-4 and MW-

6 and therefore these wells were not sampled during September 2023. BTEX results and approximate plume extent are presented on Figure 4 and summarized in Table 2.

CONCLUSIONS

Benzene concentrations in MW-11 decreased from 26 µg/L 2022 to 6.8 µg/L in 2023, and concentrations decreased significantly in MW-12 from 9.8 µg/L in 2022 to <1.0 µg/L (less than laboratory reporting detection limit). This decreasing trend appears to indicate the benzene plume is receding from MW-11 and MW-12, which follows the general groundwater flow direction to the southeast where impacted groundwater remains. Additional sampling is required to determine if these data are anomalous or represent a measurable trend. Petroleum hydrocarbon impacts to groundwater have not been fully delineated at the Site to the north and southwest. Groundwater samples indicate dissolved phase concentrations of benzene exceed NMWQCC standards in monitoring wells MW-1, MW-2R, MW-5, and MW-11.

PSH, when detected, in MW-4 and MW-6 varied throughout the year, from trace to 0.01 feet, indicating the product recovery socks being implemented continue to be an effective method of removing the remaining PSH at this Site. Approximately 19 ounces of PSH was recovered from monitoring well MW-4 and 23 ounces was recovered from monitoring well MW-6 during 2023.

Dissolved phase petroleum hydrocarbons in groundwater continues to be the main environmental concern at the Site. Where delineated fully, to the south and east, the benzene plume has appeared to remain stable since 2020. Based on BTEX concentration changes between 2022 and 2023, there has been a notable decrease at MW-11, and significant decrease at MW-12, although additional sampling is required to verify this trend.

RECOMMENDATIONS

Based on current and historical data gathered at the Site, Ensolum/Harvest recommend the following actions:

- Analyze BTEX concentrations quarterly from all monitoring wells, unless PSH is present, to monitor benzene plume stability and/or migration.
- Continue quarterly gauging of depth to water/PSH of all monitoring wells on Site.
- If quarterly BTEX concentrations continue to exceed NMWQCC standards in MW-1 and MW-11, additional delineation wells will be installed to the north of MW-1 and to the southwest of MW-11 in 2025.
- Continue to use product recovery socks and manual bailing of PSH when present. If consistent and measurable PSH increases at the Site, the solar-sipper pneumatic recovery system will be re-installed where appropriate.
- Submit an annual report summarizing 2024 monitoring activities by March 31, 2025.

Ensolum appreciates the opportunity to provide these environmental services to Harvest. Please contact either of the undersigned with any questions.

Sincerely,

Ensolum, LLC

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Senior Geologist
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Attachments:

Figure 1: Site Location Map
Figure 2: Groundwater Elevation (March 2023)
Figure 3: Groundwater Elevation (June 2023)
Figure 4: Groundwater Elevation & Analytical Results (September 2023)
Figure 5: Groundwater Elevation (December 2023)

Table 1: Groundwater Elevations
Table 2: Groundwater Laboratory Analytical Results

Appendix A: Groundwater Collection Forms
Appendix B: Laboratory Analytical Reports

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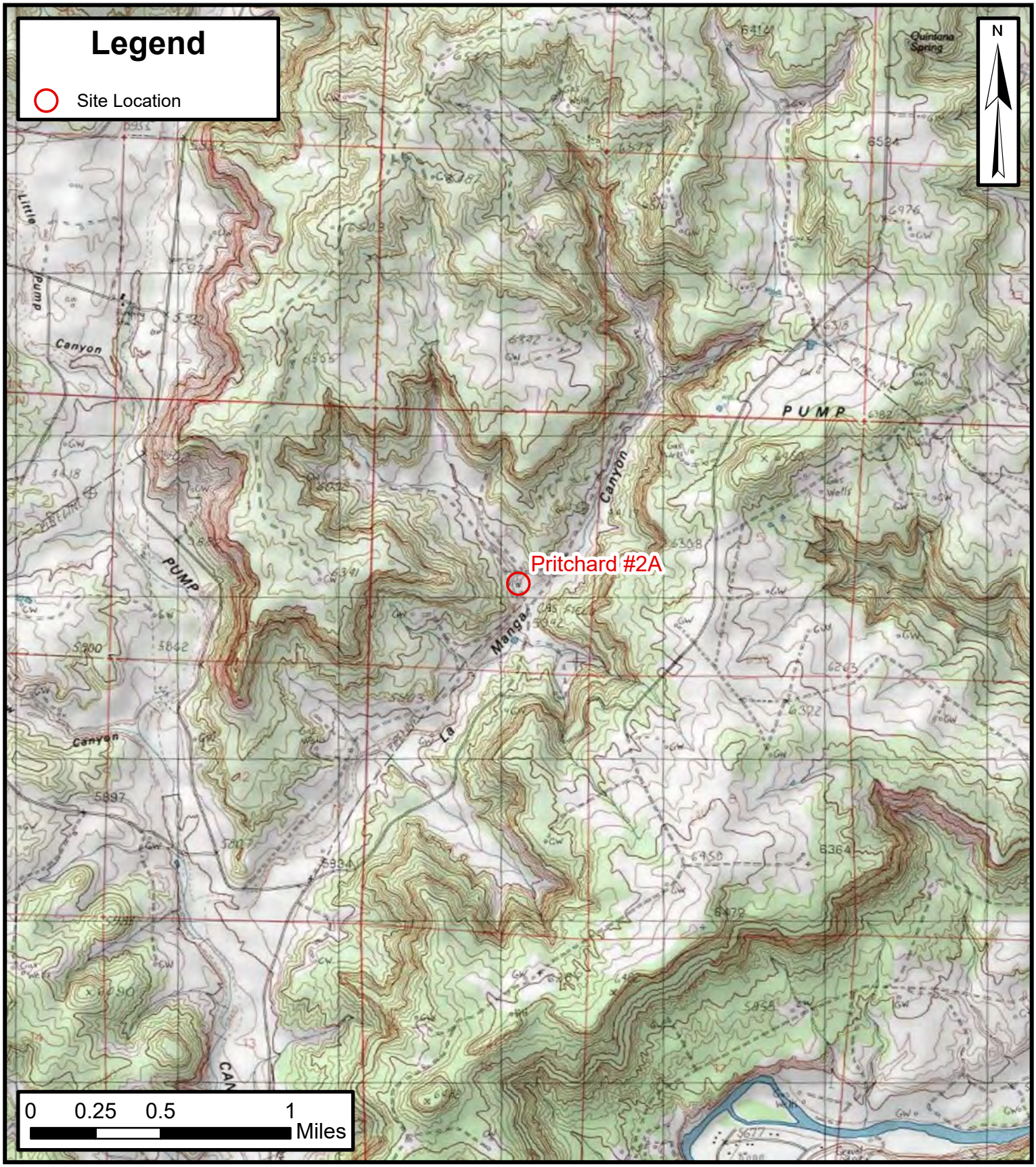
FIGURES



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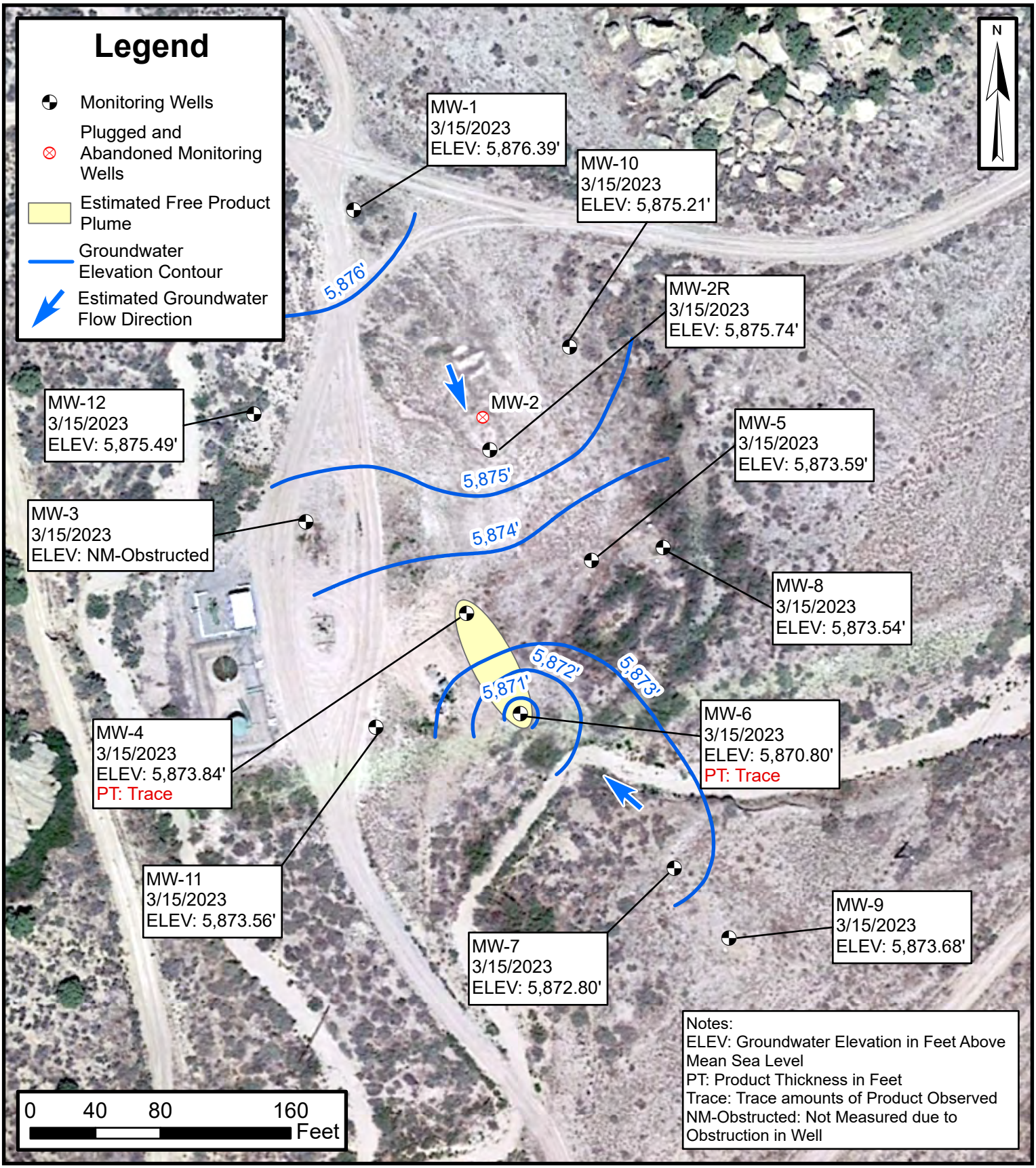
Environmental, Engineering and Hydrogeologic Consultants

Site Location Map

Pritchard #2A
Harvest Four Corners, LLC
36.83754, -107.71299
Sec 6, T30N, R8W
San Juan County, New Mexico

FIGURE
1

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



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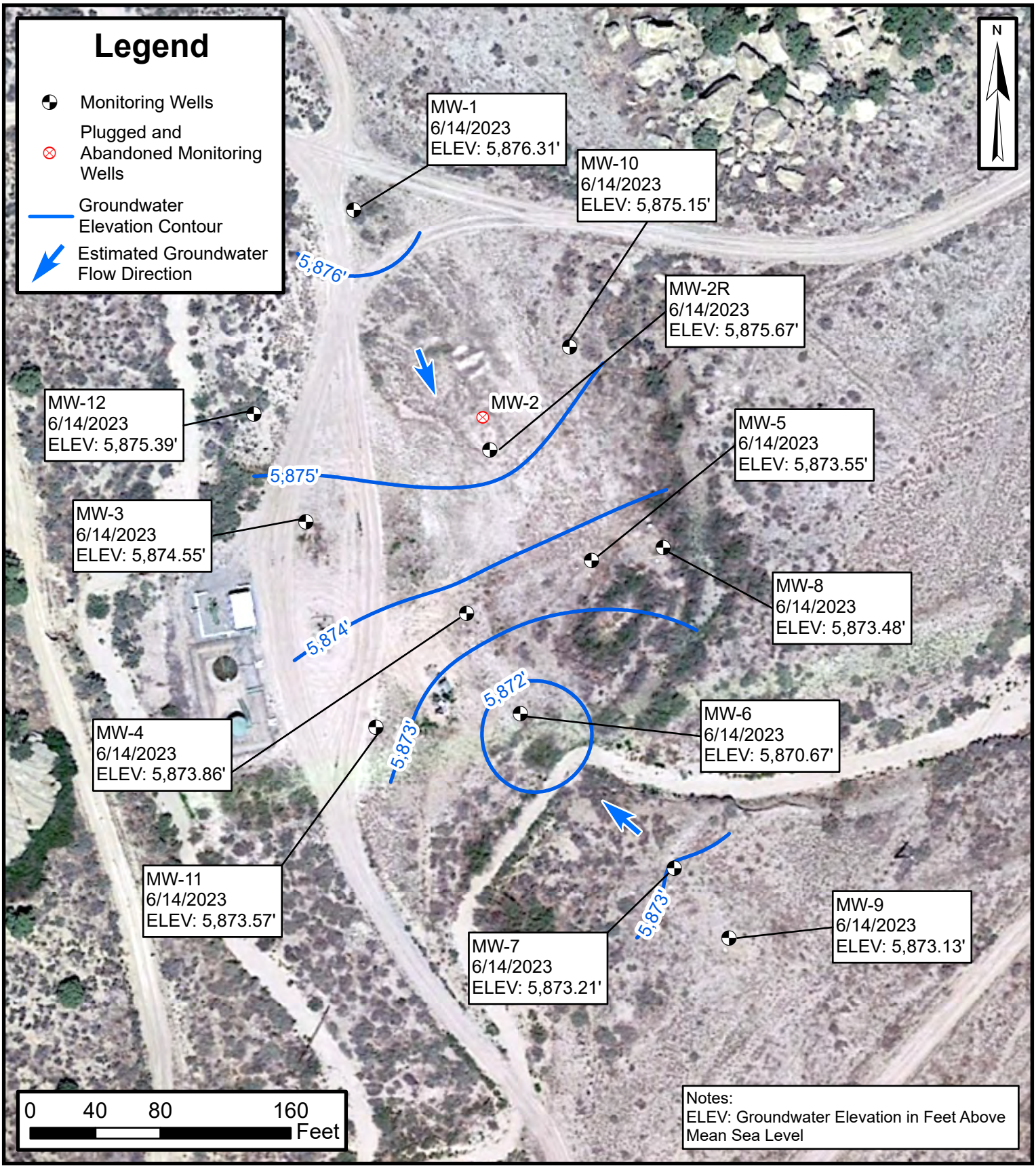
Groundwater Elevation (March 2023)

Pritchard #2A
Harvest Four Corners, LLC
36.83754, -107.71299
Sec 6, T30N, R8W
San Juan County, New Mexico

FIGURE
2

Sources: Google Earth



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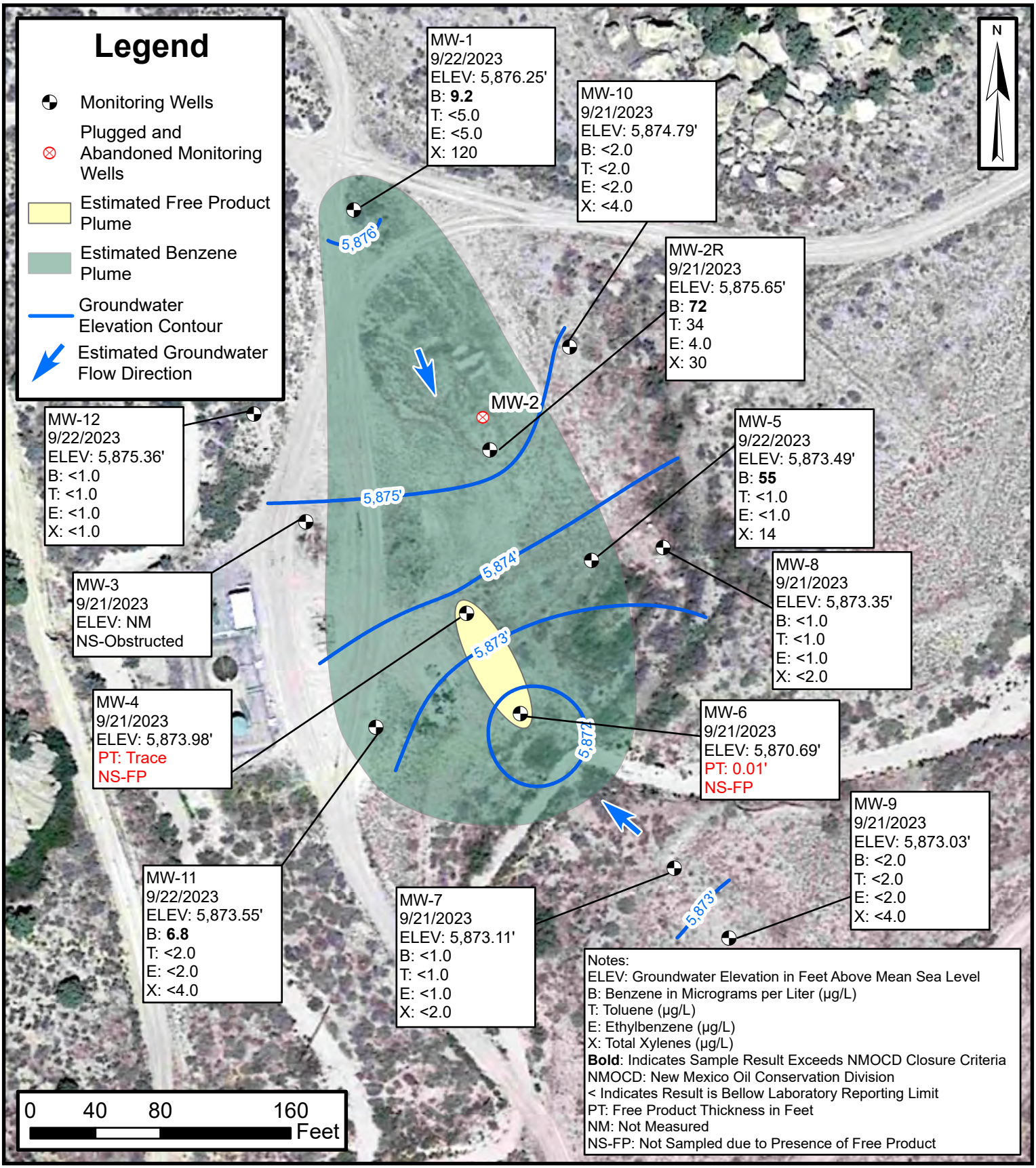
Groundwater Elevation (June 2023)

Pritchard #2A
Harvest Four Corners, LLC
36.83754, -107.71299
Sec 6, T30N, R8W
San Juan County, New Mexico

FIGURE
3

Sources: Google Earth



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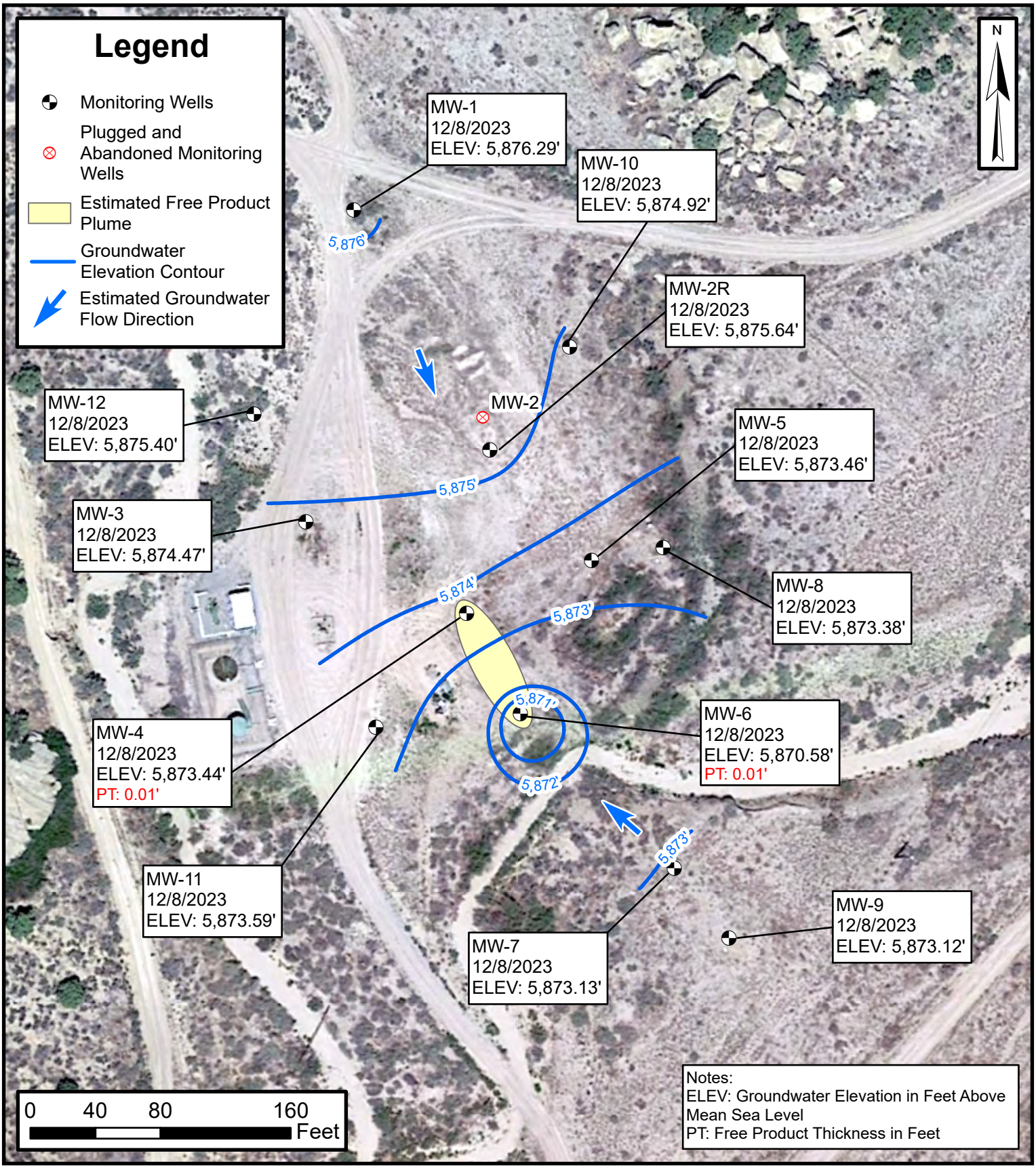
Groundwater Elevation and Analytical Results (September 2023)

Pritchard #2A
Harvest Four Corners, LLC
36.83754, -107.71299
Sec 6, T30N, R8W
San Juan County, New Mexico

FIGURE
4

Sources: Google Earth



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Groundwater Elevation (December 2023)

Pritchard #2A
Harvest Four Corners, LLC
36.83754, -107.71299
Sec 6, T30N, R8W
San Juan County, New Mexico

FIGURE
5

Sources: Google Earth

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TABLES

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-1	2/28/2013	5,966.76	82.06	NP	NP	5,884.70
	6/24/2013	5,961.21*	82.24	NP	NP	5,878.97
	9/12/2013		82.35	NP	NP	5,878.86
	12/6/2013		82.51	NP	NP	5,878.70
	3/19/2014		82.68	NP	NP	5,878.53
	6/12/2014		82.75	NP	NP	5,878.46
	9/11/2014		82.90	NP	NP	5,878.31
	12/8/2014		83.02	NP	NP	5,878.19
	3/10/2015		83.12	NP	NP	5,878.09
	6/15/2015		83.15	NP	NP	5,878.06
	9/24/2015		83.31	NP	NP	5,877.90
	12/19/2015		83.39	NP	NP	5,877.82
	9/8/2016		83.51	NP	NP	5,877.70
	3/28/2017		83.62	NP	NP	5,877.59
	6/27/2017		83.70	NP	NP	5,877.51
	11/5/2019	5,961.39***	84.03	NP	NP	5,877.36
	3/10/2020		84.35	NP	NP	5,877.04
	6/26/2020		84.40	NP	NP	5,876.99
	9/11/2020		84.44	NP	NP	5,876.95
	12/11/2020		84.43	NP	NP	5,876.96
	3/31/2021		84.68	NP	NP	5,876.71
	5/24/2021		84.61	NP	NP	5,876.78
	9/30/2021		84.73	NP	NP	5,876.66
	11/23/2021		84.71	NP	NP	5,876.68
	2/11/2022		84.84	NP	NP	5,876.55
	5/27/2022		84.91	NP	NP	5,876.48
	9/30/2022		84.95	NP	NP	5,876.44
	12/5/2022		84.96	NP	NP	5,876.43
	3/15/2023		85.00	NP	NP	5,876.39
	6/14/2023		85.08	NP	NP	5,876.31
	9/21/2023		85.14	NP	NP	5,876.25
	12/8/2023		85.10	NP	NP	5,876.29
MW-2	2/28/2013	5,963.03**	79.97	79.63	0.34	5,883.33
	6/24/2013	5,957.53*	79.90	79.62	0.28	5,877.85
	9/12/2013		80.06	79.78	0.28	5,877.69
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/11/2014		DRY	DRY	DRY	DRY
	12/8/2014		DRY	DRY	DRY	DRY

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-2	3/10/2015	5,957.53*	DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/19/2015		DRY	DRY	DRY	DRY
	9/8/2016		DRY	DRY	DRY	DRY
	3/28/2017		DRY	DRY	DRY	DRY
	6/27/2017		DRY	DRY	DRY	DRY
MW-2R	11/5/2019	5,953.78***	77.51	NP	NP	5,876.27
	3/10/2020		77.56	NP	NP	5,876.22
	6/26/2020		77.64	NP	NP	5,876.14
	9/11/2020		77.70	NP	NP	5,876.08
	12/11/2020		77.67	NP	NP	5,876.11
	3/31/2021		77.82	NP	NP	5,875.96
	5/24/2021		77.80	NP	NP	5,875.98
	9/30/2021		77.88	NP	NP	5,875.90
	11/23/2021		77.88	NP	NP	5,875.90
	2/11/2022		77.95	NP	NP	5,875.83
	5/27/2022		78.01	NP	NP	5,875.77
	9/30/2022		78.04	NP	NP	5,875.74
	12/5/2022		78.02	NP	NP	5,875.76
	3/15/2023		78.04	NP	NP	5,875.74
	6/14/2023		78.11	NP	NP	5,875.67
	9/21/2023		78.13	NP	NP	5,875.65
	12/8/2023		78.14	NP	NP	5,875.64
MW-3	2/28/2013	5,961.27	78.02	NP	NP	5,883.25
	6/24/2013	5,955.95*	78.22	NP	NP	5,877.73
	9/12/2013		78.37	NP	NP	5,877.58
	12/6/2013		78.51	NP	NP	5,877.44
	3/19/2014		78.71	NP	NP	5,877.24
	6/12/2014		78.84	NP	NP	5,877.11
	9/11/2014		79.01	NP	NP	5,876.94
	12/8/2014		79.18	NP	NP	5,876.77
	3/10/2015		79.29	NP	NP	5,876.66
	6/15/2015		79.40	NP	NP	5,876.55
	9/24/2015		79.55	NP	NP	5,876.40
	12/19/2015		79.63	NP	NP	5,876.32
	9/8/2016		79.90	NP	NP	5,876.05
	3/28/2017		80.17	NP	NP	5,875.78
	6/27/2017		80.20	NP	NP	5,875.75
	11/5/2019	5,956.12***	80.99	NP	NP	5,875.13

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-3	3/10/2020	5,956.12***	81.13	NP	NP	5,874.99
	6/26/2020		81.21	NP	NP	5,874.91
	9/11/2020		81.26	NP	NP	5,874.86
	12/11/2020		81.34	NP	NP	5,874.78
	3/31/2021		81.39	NP	NP	5,874.73
	5/24/2021		81.38	NP	NP	5,874.74
	9/30/2021		81.46	NP	NP	5,874.66
	11/23/2021		81.49	NP	NP	5,874.63
	2/11/2022		81.52	NP	NP	5,874.60
	5/27/2022		81.51	NP	NP	5,874.61
	9/30/2022			Obstructed		
	12/5/2022		81.54	NP	NP	5,874.58
	3/15/2023			Obstructed		
	6/14/2023		81.57	NP	NP	5,874.55
	9/21/2023			Obstructed		
	12/8/2023		81.65	NP	NP	5874.47
MW-4	2/28/2013	5,960.42	79.55	77.97	1.58	5,882.13
	6/24/2013	5,955.12*	79.72	78.18	1.54	5,876.63
	9/12/2013		79.73	78.43	1.30	5,876.43
	12/6/2013		79.03	78.82	0.21	5,876.26
	3/19/2014		79.29	78.97	0.32	5,876.09
	6/12/2014		79.25	79.20	0.05	5,875.91
	9/11/2014		79.45	79.40	0.05	5,875.71
	12/8/2014		79.49	79.46	0.03	5,875.65
	3/10/2015		79.59	79.58	0.01	5,875.54
	6/15/2015		79.73	79.70	0.03	5,875.41
	9/24/2015		79.87	79.83	0.04	5,875.28
	12/19/2015		79.88	79.86	0.02	5,875.26
	9/8/2016		80.23	80.10	0.13	5,874.99
	3/28/2017		80.27	0.00	0.00	5,874.85
	6/27/2017		80.33	0.00	0.00	5,874.79
	9/6/2017		80.35	0.00	0.00	5,874.77
	11/5/2019	5,955.32***	81.13	81.10	0.03	5,874.21
	3/10/2020		81.07	81.00	0.07	5,874.31
	6/26/2020		81.27	81.23	0.04	5,874.08
	9/11/2020		81.10	Trace	Trace	5,874.22
	12/11/2020		81.19	NP	NP	5,874.13
	3/31/2021		81.41	NP	NP	5,873.91
	5/24/2021		81.13	NP	NP	5,874.19
	9/30/2021		81.28	81.18	0.10	5,874.12

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-4	11/23/2021	5,955.32***	81.22	81.17	0.05	5,874.14
	2/11/2022		81.39	NP	NP	5,873.93
	5/27/2022		81.39	81.38	0.01	5,873.94
	9/30/2022		81.49	81.48	0.01	5,873.84
	12/5/2022		81.21	81.20	0.01	5,874.12
	3/15/2023		81.48	Trace	Trace	5,873.84
	6/14/2023		81.46	NP	NP	5,873.86
	7/12/2023		81.40	NP	NP	5,873.92
	8/24/2023		81.40	NP	NP	5,873.92
	9/21/2023		81.34	NP	NP	5,873.98
	12/8/2023		81.89	81.88	0.01	5,873.44
MW-5	2/28/2013	5,960.41	78.20	NP	NP	5,882.21
	6/24/2013	5,955.09*	78.39	NP	NP	5,876.70
	9/12/2013		78.55	NP	NP	5,876.54
	12/6/2013		78.72	NP	NP	5,876.37
	3/19/2014		78.91	NP	NP	5,876.18
	6/12/2014		79.04	NP	NP	5,876.05
	9/11/2014		79.20	NP	NP	5,875.89
	12/8/2014		79.03	NP	NP	5,876.06
	3/10/2015		79.41	NP	NP	5,875.68
	6/15/2015		79.53	NP	NP	5,875.56
	9/24/2015		79.63	NP	NP	5,875.46
	12/19/2015		79.70	NP	NP	5,875.39
	9/8/2016		79.91	NP	NP	5,875.18
	3/28/2017		80.14	NP	NP	5,874.95
	6/26/2017		80.15	NP	NP	5,874.94
	11/5/2019	5,955.27***	80.96	NP	NP	5,874.31
	3/10/2020		81.09	NP	NP	5,874.18
	6/26/2020		81.17	NP	NP	5,874.10
	9/11/2020		81.25	NP	NP	5,874.02
	12/11/2020		81.27	NP	NP	5,874.00
	3/31/2021		81.41	NP	NP	5,873.86
	5/24/2021		81.44	NP	NP	5,873.83
	9/30/2021		81.56	NP	NP	5,873.71
	11/23/2021		81.60	NP	NP	5,873.67
	2/11/2022		81.65	NP	NP	5,873.62
	5/27/2022		81.68	NP	NP	5,873.59
	9/30/2022		81.73	NP	NP	5,873.54
	12/5/2022		81.68	NP	NP	5,873.59
	3/15/2023		81.68	NP	NP	5,873.59

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-5	6/14/2023	5,955.27***	81.72	NP	NP	5,873.55
	9/21/2023		81.78	NP	NP	5,873.49
	12/8/2023		81.81	NP	NP	5,873.46
MW-6	2/28/2013	5,958.24	67.56	NP	NP	5,890.68
	6/24/2013	5,952.97*	76.74	NP	NP	5,876.23
	9/12/2013		76.93	NP	NP	5,876.04
	12/6/2013		77.09	NP	NP	5,875.88
	3/19/2014		77.30	NP	NP	5,875.67
	6/12/2014		77.44	NP	NP	5,875.53
	9/11/2014		77.62	NP	NP	5,875.35
	12/8/2014		77.72	NP	NP	5,875.25
	3/10/2015		77.84	NP	NP	5,875.13
	6/15/2015		77.94	NP	NP	5,875.03
	9/24/2015		78.09	78.09	Trace	5,874.88
	12/19/2015		78.26	78.08	0.18	5,874.85
	9/8/2016		79.10	78.18	0.92	5,874.61
	3/28/2017		79.80	78.45	1.35	5,874.25
	6/27/2017		79.85	78.29	1.56	5,874.37
	9/6/2017		79.84	78.32	1.52	5,874.35
	11/5/2019	5,950.99***	80.14	79.49	0.65	5,871.37
	3/10/2020		79.83	79.72	0.11	5,871.25
	6/26/2020		79.78	79.49	0.29	5,871.44
	9/11/2020		79.55	79.48	0.07	5,871.50
	12/11/2020		79.78	79.76	0.02	5,871.23
	3/31/2021		80.28	80.22	0.06	5,870.76
	5/24/2021		79.84	79.81	0.03	5,871.17
	9/30/2021		77.64	77.46	0.18	5,873.49
	11/23/2021		80.10	80.01	0.09	5,870.96
	2/11/2022		80.09	80.05	0.04	5,870.93
	5/27/2022		80.33	80.33	0.01	5,870.67
	9/30/2022		80.33	80.32	0.01	5,870.67
	12/5/2022		80.26	80.26	<0.01	5,870.73
	3/15/2023		80.19	Trace	Trace	5,870.80
	6/14/2023		80.32	NP	NP	5,870.67
	7/12/2023		80.35	NP	NP	5,870.64
	8/24/2023		80.27	NP	NP	5,870.72
	9/21/2023		80.30	80.29	0.01	5,870.70
	12/8/2023		80.42	80.41	0.01	5,870.58

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-7	11/5/2019	5,952.61***	79.13	NP	NP	5,873.48
	3/10/2020		78.87	NP	NP	5,873.74
	6/26/2020		78.90	NP	NP	5,873.71
	9/11/2020		79.06	NP	NP	5,873.55
	12/11/2020		79.02	NP	NP	5,873.59
	3/31/2021		79.24	NP	NP	5,873.37
	5/24/2021		79.22	NP	NP	5,873.39
	9/30/2021		79.44	NP	NP	5,873.17
	11/23/2021		79.30	NP	NP	5,873.31
	2/11/2022		79.42	NP	NP	5,873.19
	5/27/2022		79.52	NP	NP	5,873.09
	9/30/2022		79.60	NP	NP	5,873.01
	12/5/2022		79.79	NP	NP	5,872.82
	3/15/2023		79.81	NP	NP	5,872.80
	6/14/2023		79.40	NP	NP	5,873.21
	9/21/2023		79.50	NP	NP	5,873.11
	12/8/2023		79.48	NP	NP	5,873.13
MW-8	11/5/2019	5,955.36***	81.13	NP	NP	5,874.23
	3/10/2020		81.26	NP	NP	5,874.10
	6/26/2020		81.34	NP	NP	5,874.02
	9/11/2020		81.47	NP	NP	5,873.89
	12/11/2020		81.44	NP	NP	5,873.92
	3/31/2021		81.66	NP	NP	5,873.70
	5/24/2021		81.59	NP	NP	5,873.77
	9/30/2021		81.71	NP	NP	5,873.65
	11/23/2021		84.71	NP	NP	5,870.65
	2/11/2022		81.90	NP	NP	5,873.46
	5/27/2022		81.84	NP	NP	5,873.52
	9/30/2022		81.91	NP	NP	5,873.45
	12/5/2022		81.82	NP	NP	5,873.54
	3/15/2023		81.82	NP	NP	5,873.54
	6/14/2023		81.88	NP	NP	5,873.48
	9/21/2023		82.01	NP	NP	5,873.35
	12/8/2023		81.98	NP	NP	5,873.38
MW-9	11/5/2019	5,953.01***	79.67	NP	NP	5,873.34
	3/10/2020		79.78	NP	NP	5,873.23
	6/26/2020		79.71	NP	NP	5,873.30
	9/11/2020		79.71	NP	NP	5,873.30
	12/11/2020		79.68	NP	NP	5,873.33

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TABLE 1
Groundwater Elevation
Pritchard #2A
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Name	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW-9	3/31/2021	5,953.01***	79.90	NP	NP	5,873.11
	5/24/2021		79.83	NP	NP	5,873.18
	9/30/2021		79.93	NP	NP	5,873.08
	11/23/2021		79.86	NP	NP	5,873.15
	2/11/2022		79.44	NP	NP	5,873.57
	5/27/2022		79.95	NP	NP	5,873.06
	9/30/2022		79.91	NP	NP	5,873.10
	12/5/2022		79.33	NP	NP	5,873.68
	3/15/2023		79.33	NP	NP	5,873.68
	6/14/2023		79.88	NP	NP	5,873.13
	9/21/2023		79.98	NP	NP	5,873.03
	12/8/2023		79.89	NP	NP	5,873.12
MW-10	9/30/2022	5,957.51	84.86	NP	NP	5,872.65
	12/5/2022		82.36	NP	NP	5875.15
	3/15/2023		82.30	NP	NP	5,875.21
	6/14/2023		82.36	NP	NP	5,875.15
	9/21/2023		82.72	NP	NP	5,874.79
	12/8/2023		82.59	NP	NP	5,874.92
MW-11	9/30/2022	5,954.70	81.21	NP	NP	5,873.49
	12/5/2022		81.26	NP	NP	5,873.44
	3/15/2023		81.14	NP	NP	5,873.56
	6/14/2023		81.13	NP	NP	5,873.57
	9/21/2023		81.15	NP	NP	5,873.55
	12/8/2023		81.11	NP	NP	5,873.59
MW-12	9/30/2022	5,957.05	81.45	NP	NP	5,875.60
	12/5/2022		81.51	NP	NP	5,875.54
	3/15/2023		81.56	NP	NP	5,875.49
	6/14/2023		81.66	NP	NP	5,875.39
	9/21/2023		81.69	NP	NP	5,875.36
	12/8/2023		81.65	NP	NP	5,875.40

Notes:

AMSL - above mean sea level

BTOC - below top of casing

NP - no product

* Top of casing elevation was resurveyed on 6/19/2013

** Product recovery sock was present in well, elevation does not represent static water level

*** Top of casing elevation was resurveyed on 12/18/2019

Groundwater elevation calculation in wells with product: (Top of Casing Elevation - Depth to Water) + (Product Thickness * 0.8)

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

Well Name	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-1	5/26/1999	**260**	880	86	**890**
	8/17/1999	**180**	270	25	370
	10/20/1999	**260**	720	36	420
	1/26/2000	**260**	620	26	460
	4/17/2000	**250**	580	23	340
	11/16/2000	**89**	69.5	11.1	39.7
	1/17/2001	**316**	418	15.1	178
	4/27/2001	**363**	316	5.75	283
	10/16/2001	**140**	7.3	<2.0	110
	3/30/2002	**120**	150	ND	270
	6/16/2002	**79**	20	ND	110
	9/20/2004	<2.0	<2.0	<2.0	12
	12/6/2004	2.6	8.6	<2.0	53
	3/7/2005	**13**	2.3	ND	53
	6/18/2005	ND	ND	ND	7.9
	9/16/2005	<2.0	<2.0	<2.0	15
	11/28/2005	ND	4.5	ND	65.7
	7/13/2006	**17.5**	6	<1.0	57.2
	3/29/2010	**18.3**	2.7	<1.0	71.1
	6/18/2010	**26.5**	19	<1.0	36.3
	9/10/2010	**20**	<1.0	<1.0	30.2
	12/4/2010	**17.9**	8.7	<1.0	91.6
	3/11/2011	**5.5**	2.8	<1.0	65.1
	6/14/2011	2.2	<1.0	<1.0	16.9
	9/12/2011	1.9	<1.0	<1.0	23.3
	1/3/2012	**6.2**	8	<1.0	78.1
	4/2/2012	**23.5**	<1.0	7.7	45.9
	6/13/2012	**19.0**	<1.0	4.4	33.6
	10/2/2012	8.0	<1.0	5.6	40.7
	12/6/2012	**22.0**	<1.0	6.4	52.2
	2/28/2013	2.3	<1.0	<1.0	93
	6/24/2013	**65**	53	<2.0	370
	9/12/2013	**19**	25	1.5	210

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

Well Name	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-1	12/11/2013	**5.6**	3.3	<2.0	51
	3/19/2014	<2.0	<2.0	<2.0	<4.0
	6/12/2014	7.1	3.3	<1.0	130
	9/11/2014	**12**	12	<1.0	100
	12/8/2014	**31**	42	<2.0	270
	3/10/2015	**17**	15	<2.0	230
	9/24/2015	**11**	5.7	<1.0	110
	9/8/2016	**9.2**	11	<1.0	100
	11/5/2019	**5.2**	1.2	<1.0	35
	9/11/2020	**6.6**	<1.0	<1.0	11
	9/30/2021	3.9	1.1	<1.0	71
	9/30/2022	**34**	100	<1.0	320
	9/22/2023	**9.2**	<5.0	<5.0	120
MW-2	5/26/1999	**98**	85	18	120
	3/7/2005	**6,100**	**8,200**	650	**8,100**
	11/29/2005	**115**	144	41	139
	7/13/2006	**6,300**	**28,500**	**2,740**	**49,500**
	9/10/2010	**4,490**	**10,600**	277	**7,700**
	3/11/2011	**3,690**	**6,380**	243	**5,440**
	1/3/2012	**721**	**1,280**	73.6	**1,060**
	4/2/2012	NS	NS	NS	NS
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	2/28/2013	NS-FP	NS-FP	NS-FP	NS-FP
	6/24/2013	NS-FP	NS-FP	NS-FP	NS-FP
	9/12/2013	NS-FP	NS-FP	NS-FP	NS-FP
	12/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	3/19/2014	NS-IW	NS-IW	NS-IW	NS-IW
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	9/11/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/8/2014	NS-IW	NS-IW	NS-IW	NS-IW

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

Well Name	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-2	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/8/2016	NS-IW	NS-IW	NS-IW	NS-IW
MW-2R	11/5/2019	**150**	**1,100**	77	**1,100**
	9/11/2020	**580**	17	17	7.2
	9/30/2021	**89**	80	6.6	35
	9/30/2022	**29**	11	<1.0	5.6
	9/21/2023	**72**	34	4.0	30
MW-3	8/17/1999	**170**	100	23	150
	10/20/1999	**320**	250	50	360
	1/26/2000	**460**	380	180	**1,300**
	4/17/2000	**310**	150	180	**1,100**
	11/16/2000	**100**	43.6	21.3	99
	1/17/2001	**64.8**	81.4	8.7	54.9
	4/27/2001	1.98	<1	<1	<1
	10/16/2001	<1.0	<2.0	<2.0	<2.0
	3/30/2002	3.6	ND	ND	9
	6/16/2002	**15**	2.6	ND	10
	12/6/2004	4.3	5.2	>2.0	5.6
	9/20/2004	>2.0	>2.0	>2.0	>5.0
	3/7/2005	**5.8**	6	ND	8.2
	6/18/2005	ND	ND	ND	ND
	9/16/2005	2.5	<2.0	<2.0	<5.0
	11/29/2005	4.8	4.9	ND	ND
	7/18/2006	**56.7**	6.3	<1.0	7.8
	3/29/2010	**6.0**	<1.0	<1.0	4.32
	6/18/2010	4.4	<1.0	<1.0	5.8
	9/10/2010	**17.6**	4.3	1.9	20.2
	12/4/2010	**26.5**	<1.0	1.9	16.4
	3/11/2011	**10.6**	<1.0	<1.0	4.4
	6/14/2011	**10.1**	<1.0	1.3	12.0
	9/12/2011	**21.2**	<1.0	3.0	22.8
	1/3/2012	**8.3**	<1.0	<1.0	7.6

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

Well Name	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	4/2/2012	**18.2**	1.8	<1.0	7.5
	6/13/2012	**35.5**	4.5	<1.0	20.7
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	2/28/2013	**18**	<1.0	<1.0	3.5
	6/24/2013	**130**	<1.0	2.1	18
	9/12/2013	**21**	3.4	<1.0	6.9
	12/11/2013	**18**	<1.0	<1.0	2.7
	3/19/2014	**9.2**	<1.0	<1.0	<2.0
	6/12/2014	**69**	<1.0	1.0	8.4
	9/11/2014	**28**	<1.0	<1.0	7.6
	12/8/2014	**38**	1.0	<1.0	5.9
	3/10/2015	**33**	<1.0	<1.0	8.00
	9/24/2015	**31**	<1.0	1.1	6.90
	9/8/2016	**37**	3.3	1.6	18
	11/6/2019	**230**	8.6	6.6	35
	9/11/2020	**15**	<1.0	<1.0	1.5
	9/30/2021	NS-IW	NS-IW	NS-IW	NS-IW
	9/30/2022	NS-Damaged	NS-Damaged	NS-Damaged	NS-Damaged
	9/21/2023	NS-Damaged	NS-Damaged	NS-Damaged	NS-Damaged
MW-4	12/6/2004	**750**	**2,100**	250	**2,400**
	4/2/2012	NS	NS	NS	NS
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	2/28/2013	NS-FP	NS-FP	NS-FP	NS-FP
	6/24/2013	NS-FP	NS-FP	NS-FP	NS-FP
	9/12/2013	NS-FP	NS-FP	NS-FP	NS-FP
	12/6/2013	NS-FP	NS-FP	NS-FP	NS-FP
	3/19/2014	NS-FP	NS-FP	NS-FP	NS-FP
	6/12/2014	NS-FP	NS-FP	NS-FP	NS-FP
	9/11/2014	NS-FP	NS-FP	NS-FP	NS-FP

ENSOLUM

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

Well Name	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	12/8/2014	NS-FP	NS-FP	NS-FP	NS-FP
	3/10/2015	NS-FP	NS-FP	NS-FP	NS-FP
	9/8/2015	NS-FP	NS-FP	NS-FP	NS-FP
	11/5/2019	NS-FP	NS-FP	NS-FP	NS-FP
	9/11/2020	NS-FP	NS-FP	NS-FP	NS-FP
	9/30/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/30/2022	NS-FP	NS-FP	NS-FP	NS-FP
	9/21/2023	NS-FP	NS-FP	NS-FP	NS-FP
MW-5	5/26/1999	**97**	82	18	110
	1/26/2000	**370**	290	160	**940**
	4/17/2000	**220**	**1,200**	220	**1,900**
	11/16/2000	**90.9**	146	23.9	153
	1/17/2001	**199**	260	46.7	326
	4/27/2001	3.1	8.34	<1	9.27
	10/16/2001	1.8	2.3	<2.0	<2.0
	3/30/2002	**15**	19	ND	71
	6/16/2002	**23**	30	4.4	56
	9/20/2004	>2.0	>2.0	2.2	>5.0
	12/6/2004	2.4	2.2	2.2	8.5
	3/7/2005	ND	ND	2.2	ND
	6/18/2005	ND	ND	ND	6.3
	9/16/2005	<2.0	<2.0	<2.0	5.5
	11/29/2005	2.9	ND	ND	8.8
	7/18/2006	**21.7**	7.6	>1.0	44.7
	3/29/2010	**98.7**	1.4	1.3	48.4
	6/18/2010	**58.2**	1.0	<1.0	28.5
	9/10/2010	**108**	3.9	<1.0	90.1
	12/4/2010	4.6	<1.0	<1.0	8.2
	6/14/2011	**22.1**	1.4	1.0	24.0
	9/12/2011	**12.4**	<1.0	<1.0	12.6
	1/3/2012	**36.3**	5.5	<1.0	31.6
	6/13/2012	3.3	<1.0	<1.0	<3.0

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

Well Name	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	10/2/2012	**18.2**	<1.0	3.7	21.2
	12/6/2012	**35.4**	<1.0	2.7	30.6
	2/28/2013	**17**	2.4	<1.0	14
	6/24/2013	**110**	30	4.3	220
	9/12/2013	**32**	6.9	1.7	78
	12/6/2013	**49**	4.7	<1.0	140
	3/19/2014	**10**	<2.0	<2.0	<4.0
	6/12/2014	**170**	18	1.8	180
	9/11/2014	**40**	3.4	<1.0	55
	12/8/2014	**73**	11	1.0	100
	3/10/2015	**100**	2.2	<2.0	110
	9/24/2015	**19**	1.4	<1.0	41
	9/8/2016	**20**	<1.0	<1.0	17
	11/5/2019	**89**	1.9	1.1	59
	9/11/2020	**52**	1.9	<1.0	33
	9/30/2021	**43**	1.0	<1.0	21
	9/30/2022	**81**	1.7	1.1	58
	9/22/2023	**55**	<1.0	<1.0	14
MW-6	9/20/2004	**11**	40	20	110
	3/7/2005	**110**	330	48	460
	6/18/2005	**1,100**	**2,100**	280	**2,200**
	9/16/2005	**100**	140	68	420
	11/29/2005	**49.1**	100	62.6	261
	7/18/2006	**795**	**1,480**	285	**2,450**
	3/29/2010	**777**	12.2	187	**1,010**
	6/18/2010	**2,300**	<10.0	510	**2,650**
	9/10/2010	**829**	<10.0	166	**804**
	12/4/2010	**1,700**	6.6	481	**1,530**
	3/11/2011	**1,650**	<5.0	268	**926**
	6/14/2011	**1,940**	<10.0	450	**1,340**
	9/12/2011	**811**	2.0	185	**452**
	1/3/2012	**1,280**	<20.0	357	**695**

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

Well Name	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	4/2/2012	**1,210**	259	36.2	**423**
	6/13/2012	**1,360**	501	103	**981**
	10/2/2012	**882**	375	40.8	**767**
	12/6/2012	**768**	299	8.4	427
	2/28/2013	**430**	590	210	**870**
	6/24/2013	**280**	34	110	**280**
	9/12/2013	**970**	67	460	**1,000**
	12/6/2013	**540**	76	520	**1,100**
	9/11/2014	**530**	27	94	240
	9/24/2015	NS-FP	NS-FP	NS-FP	NS-FP
	11/5/2019	NS-FP	NS-FP	NS-FP	NS-FP
	9/11/2020	NS-FP	NS-FP	NS-FP	NS-FP
	9/30/2021	NS-FP	NS-FP	NS-FP	NS-FP
	9/30/2022	NS-FP	NS-FP	NS-FP	NS-FP
	9/21/2023	NS-FP	NS-FP	NS-FP	NS-FP
MW-7	11/5/2019	**13**	32	22	250
	9/11/2020	<1.0	<1.0	<1.0	6.8
	9/30/2021	<1.0	<1.0	<1.0	<1.5
	9/30/2022	<1.0	<1.0	<1.0	<1.5
	9/21/2023	<1.0	<1.0	<1.0	<2.0
MW-8	11/5/2019	<1.0	<1.0	<1.0	<2.0
	9/11/2020	<1.0	<1.0	<1.0	<1.5
	9/30/2021	<2.0	<2.0	<2.0	<3.0
	9/30/2022	<1.0	<1.0	<1.0	<1.5
	9/21/2023	<1.0	<1.0	<1.0	<2.0
MW-9	11/5/2019	2.0	26	16	250
	9/11/2020	<1.0	<1.0	<1.0	1.6
	9/30/2021	<1.0	<1.0	<1.0	<1.5
	9/30/2022	<1.0	<1.0	<1.0	<1.5
	9/21/2023	<2.0	<2.0	<2.0	<4.0
MW-10	9/30/2022	<2.0	<2.0	<2.0	<3.0
	9/21/2023	<2.0	<2.0	<2.0	<4.0

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

Well Name	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-11	9/30/2022	**26**	1.0	15	96
	9/22/2023	**6.8**	<2.0	<2.0	<4.0
MW-12	9/30/2022	**9.8**	1.6	1.0	71
	9/22/2023	<1.0	<1.0	<1.0	<2.0

Notes:

µg/L - micrograms per liter

ND - not detected above laboratory reporting limits

NMWQCC - New Mexico Water Quality Control Commission

NS - not sampled

NS-FP - not sampled due to the presence of phase serperated hydrocarbons (PSH) in the well

NS-IW - not sampled due to insuffiecnt water volume in the well

< - indicates result is less than laboratory reporting detection limit

*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: Pritchard#2A
Project Number: 07B2002003

Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW05
Sample Date: 9-22-23
Laboratory: Hall Environmental
Analyses: BTEX

Matrix: Groundwater
Sample Time: 12:37
Shipping Method: Hand Delivery

Depth to Water: 81.78
Time: 1218

Total Depth of Well: 82.95
Depth to Product: —

Vol. of Water to Purge: 0.57 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	Conductivity (us or ms)	Comments
1228	0.25	0.25	7.21	18.3	3.252	Gray
1231	0.25	0.5	7.03	17.4	3.250	SAA
1235	0.25	0.75	6.90	17.4	3.298	SAA

Comments: Mod odor, no sheen

Describe Deviations from SOP: N/A

Signature: [signature]

Date: 9/22/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003

Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW11
Sample Date: 9-22-23
Laboratory: Hall Environmental
Analyses: BTEX

Matrix: Groundwater
Sample Time: 11:57
Shipping Method: Hand Delivery

Depth to Water: 81.15
Time: 11:33

Total Depth of Well: 89.73
Depth to Product:

Vol. of Water to Purge: 4.20 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Comments
1140	1	1	7.63	17.6	3.045	Brownish, gray, turbid
1145	1	2	7.28	16.9	3.073	SAA
	1	3	7.23	16.7	3.069	SAA
	1.25	4.25	7.22	16.7	3.008	SAA

Comments: No odor, No Sheen

Describe Deviations from SOP: N/A

Signature: [signature]

Date: 9/22/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW01
Sample Date: 9-22-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 11:11
Shipping Method: Hand Delivery

Depth to Water: 85.14
Time: 10:56
Total Depth of Well: 88.23
Depth to Product: —

Vol. of Water to Purge: 1.51 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	Conductivity (us or ~~ms~~)	Comments
1107	0.5	0.5	7.17	17.6	2.863	Gray turbid
	~~0.5~~	~~1.5~~				
	~~0.5~~					
	~~0.25~~	~~1.75~~				

Comments: Slight odor, no sheen

Describe Deviations from SOP: Sampled after 0.5 gal removed going dry.

Signature: [signature] Date: 9/22/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW2
Sample Date: 9-22-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 10:36
Shipping Method: Hand Delivery

Depth to Water: 81.69
Time: 10:08
Total Depth of Well: 91.27
Depth to Product: —

Vol. of Water to Purge: 4.68 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Comments
1017	1	1	7.04	16.1	2.627	Brown, turbid
1024	1	2	6.86	16.2	2.642	SAA
1028	1	3	6.87	16.1	2.612	SAA
1033	1.75	4.75	6.86	16.1	2.601	SAA

Comments: No odor, no sheen

Describe Deviations from SOP: N/A

Signature: [signature] Date: 9/22/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW02R
Sample Date: 9-21-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 15:24
Shipping Method: Hand Delivery

Depth to Water: 78.13
Time: 1456
Total Depth of Well: 88.15
Depth to Product: —

Vol. of Water to Purge: 4.89 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	Conductivity (us or ~~ms~~)	Comments
1507	2	2	7.18	16.5	2.929	BROWN/greenish
1512	1	3	7.06	18.3	2.985	SAA
1517	1	4	6.99	18.3	2.959	SAA
1520	1	5	6.98	18.2	2.954	SAA

Comments: Slight odor, No sheen

Describe Deviations from SOP: N/A

Signature: [signature] Date: 9/21/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW10
Sample Date: 9-21-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 1436
Shipping Method: Hand Delivery

Depth to Water: 82.72
Time: 14:08
Total Depth of Well: 99.10
Depth to Product: —

Vol. of Water to Purge: 8.01 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	Conductivity (us or ms)	Comments
1419	2	2	6.89	17.3	2.901	Light brown
1425	2	4	6.69	17.2	2.894	SAA
1430	2	6	6.76	16.9	2.873	Brown turbid
	2	8				

Comments: No odor, no sheen

Describe Deviations from SOP: Sampled after 6.0 gal removed - Going dry

Signature: [signature] Date: 9/21/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW09
Sample Date: 9-21-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 13:50
Shipping Method: Hand Delivery

Depth to Water: 79.98
Time: 1330
Total Depth of Well: 88.14
Depth to Product: —

Vol. of Water to Purge: 3.99 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (~~F~~) C	Conductivity (us or (ms))	Comments
1339	1	1	7.33	16.7	2.623	light brown
1345	1	2	6.94	15.2	2.683	Brown turbid
	1	3				
	1	~~4~~				

Comments: No odor no sheen

Describe Deviations from SOP: Sampled after 2.0 gal removed (going dry)

Signature: [signature] Date: 9/21/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW07
Sample Date: 9-21-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 13:16
Shipping Method: Hand Delivery

Depth to Water: 79.50
Time: 12:55
Total Depth of Well: 87.91
Depth to Product: —

Vol. of Water to Purge: 4.11 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Comments
1302	1	1	7.11	16.4	2.362	light brown
1305	1	2	7.14	16.3	2.589	SAA
1309	1	3	6.93	15.9	2.610	Brown turbid
1313	1.25	4.25	6.90	15.8	2.573	SAA

Comments: No odor, no sheen

Describe Deviations from SOP: N/A

Signature: [signature] Date: 9/21/23

Groundwater Sample Collection Form

Project Name: Pritchard#2A
Project Number: 07B2002003
Project Location: 36.837472, -107.713139
Sampler: A. Thomson

Sample ID: MW08
Sample Date: 9-21-23
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 12:33
Shipping Method: Hand Delivery

Depth to Water: 82.61
Time: 1204
Total Depth of Well: 93.12
Depth to Product: —

Vol. of Water to Purge: 5.41 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated Bailer
Method of Sampling: Dedicated Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. ~~(F)~~ C	Conductivity (us or ms)	Comments
1210	1	1	7.00	17.8	3.076	clear
1216	1	2	6.89	17.5	3.136	light brown
1220	2	4	7.01	17.3	3.128	SAA
1225	1	5	7.07	17.1	3.139	SAA
1230	0.5	5.5	7.08	17.1	3.145	SAA

Comments: No odor no sheen

Describe Deviations from SOP: N/A

Signature: [signature] **Date:** 9/21/23

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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

October 04, 2023

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

RE: Pritchard 2A OrderNo.: 2309D91

Dear Oakley Hayes:

Hall Environmental Analysis Laboratory received 9 sample(s) on 9/26/2023 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 **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW01
Project: Pritchard 2A
Collection Date: 9/22/2023 11:11:00 AM
Lab ID: 2309D91-001 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	9.2	5.0		µg/L	5	9/29/2023 1:35:51 PM	BW10009
Toluene	ND	5.0		µg/L	5	9/29/2023 1:35:51 PM	BW10009
Ethylbenzene	ND	5.0		µg/L	5	9/29/2023 1:35:51 PM	BW10009
Xylenes, Total	120	10		µg/L	5	9/29/2023 1:35:51 PM	BW10009
Surr: 4-Bromofluorobenzene	108	52.4-148		%Rec	5	9/29/2023 1:35:51 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW02R
Project: Pritchard 2A
Collection Date: 9/21/2023 3:24:00 PM
Lab ID: 2309D91-002 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	72	1.0		µg/L	1	9/29/2023 2:46:09 PM	BW10009
Toluene	34	1.0		µg/L	1	9/29/2023 2:46:09 PM	BW10009
Ethylbenzene	4.0	1.0		µg/L	1	9/29/2023 2:46:09 PM	BW10009
Xylenes, Total	30	2.0		µg/L	1	9/29/2023 2:46:09 PM	BW10009
Surr: 4-Bromofluorobenzene	109	52.4-148		%Rec	1	9/29/2023 2:46:09 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW05
Project: Pritchard 2A
Collection Date: 9/22/2023 12:37:00 PM
Lab ID: 2309D91-003 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	55	1.0		µg/L	1	9/29/2023 3:09:33 PM	BW10009
Toluene	ND	1.0		µg/L	1	9/29/2023 3:09:33 PM	BW10009
Ethylbenzene	ND	1.0		µg/L	1	9/29/2023 3:09:33 PM	BW10009
Xylenes, Total	14	2.0		µg/L	1	9/29/2023 3:09:33 PM	BW10009
Surr: 4-Bromofluorobenzene	108	52.4-148		%Rec	1	9/29/2023 3:09:33 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW07
Project: Pritchard 2A
Collection Date: 9/21/2023 1:16:00 PM
Lab ID: 2309D91-004 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	9/29/2023 3:32:58 PM	BW10009
Toluene	ND	1.0		µg/L	1	9/29/2023 3:32:58 PM	BW10009
Ethylbenzene	ND	1.0		µg/L	1	9/29/2023 3:32:58 PM	BW10009
Xylenes, Total	ND	2.0		µg/L	1	9/29/2023 3:32:58 PM	BW10009
Surr: 4-Bromofluorobenzene	108	52.4-148		%Rec	1	9/29/2023 3:32:58 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW08
Project: Pritchard 2A
Collection Date: 9/21/2023 12:33:00 PM
Lab ID: 2309D91-005 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	9/29/2023 3:56:23 PM	BW10009
Toluene	ND	1.0		µg/L	1	9/29/2023 3:56:23 PM	BW10009
Ethylbenzene	ND	1.0		µg/L	1	9/29/2023 3:56:23 PM	BW10009
Xylenes, Total	ND	2.0		µg/L	1	9/29/2023 3:56:23 PM	BW10009
Surr: 4-Bromofluorobenzene	106	52.4-148		%Rec	1	9/29/2023 3:56:23 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW09
Project: Pritchard 2A
Collection Date: 9/21/2023 1:50:00 PM
Lab ID: 2309D91-006 **Matrix:** AQUEOUS **Received Date:** 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	2.0		µg/L	2	9/29/2023 4:19:45 PM	BW10009
Toluene	ND	2.0		µg/L	2	9/29/2023 4:19:45 PM	BW10009
Ethylbenzene	ND	2.0		µg/L	2	9/29/2023 4:19:45 PM	BW10009
Xylenes, Total	ND	4.0		µg/L	2	9/29/2023 4:19:45 PM	BW10009
Surr: 4-Bromofluorobenzene	104	52.4-148		%Rec	2	9/29/2023 4:19:45 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW10
Project: Pritchard 2A
Collection Date: 9/21/2023 2:36:00 PM
Lab ID: 2309D91-007
Matrix: AQUEOUS
Received Date: 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	2.0		µg/L	2	9/29/2023 4:43:08 PM	BW10009
Toluene	ND	2.0		µg/L	2	9/29/2023 4:43:08 PM	BW10009
Ethylbenzene	ND	2.0		µg/L	2	9/29/2023 4:43:08 PM	BW10009
Xylenes, Total	ND	4.0		µg/L	2	9/29/2023 4:43:08 PM	BW10009
Surr: 4-Bromofluorobenzene	104	52.4-148		%Rec	2	9/29/2023 4:43:08 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW11
Project: Pritchard 2A
Collection Date: 9/22/2023 11:57:00 AM
Lab ID: 2309D91-008
Matrix: AQUEOUS
Received Date: 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	6.8	2.0		µg/L	2	9/29/2023 5:06:35 PM	BW10009
Toluene	ND	2.0		µg/L	2	9/29/2023 5:06:35 PM	BW10009
Ethylbenzene	ND	2.0		µg/L	2	9/29/2023 5:06:35 PM	BW10009
Xylenes, Total	ND	4.0		µg/L	2	9/29/2023 5:06:35 PM	BW10009
Surr: 4-Bromofluorobenzene	104	52.4-148		%Rec	2	9/29/2023 5:06:35 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309D91**
Date Reported: **10/4/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW12
Project: Pritchard 2A
Collection Date: 9/22/2023 10:36:00 AM
Lab ID: 2309D91-009
Matrix: AQUEOUS
Received Date: 9/26/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	9/29/2023 5:30:00 PM	BW10009
Toluene	ND	1.0		µg/L	1	9/29/2023 5:30:00 PM	BW10009
Ethylbenzene	ND	1.0		µg/L	1	9/29/2023 5:30:00 PM	BW10009
Xylenes, Total	ND	2.0		µg/L	1	9/29/2023 5:30:00 PM	BW10009
Surr: 4-Bromofluorobenzene	106	52.4-148		%Rec	1	9/29/2023 5:30:00 PM	BW10009

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	Above Quantitation Range/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 standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309D91**

04-Oct-23

Client: Harvest

Project: Pritchard 2A

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **BW100093**	RunNo: **100093**
Prep Date:	Analysis Date: **9/29/2023**	SeqNo: **3664090** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	103	70	130			
Toluene	21	1.0	20.00	0	103	70	130			
Ethylbenzene	21	1.0	20.00	0	103	70	130			
Xylenes, Total	63	2.0	60.00	0	104	70	130			
1,2,4-Trimethylbenzene	21	1.0	20.00	0	104	70	130			
1,3,5-Trimethylbenzene	20	1.0	20.00	0	101	70	130			
Surr: 4-Bromofluorobenzene	21		20.00		107	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **BW100093**	RunNo: **100093**
Prep Date:	Analysis Date: **9/29/2023**	SeqNo: **3664091** 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	2.0								
1,2,4-Trimethylbenzene	ND	1.0								
1,3,5-Trimethylbenzene	ND	1.0								
Surr: 4-Bromofluorobenzene	20		20.00		102	52.4	148			

Sample ID: **2309d91-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW01**	Batch ID: **BW100093**	RunNo: **100093**
Prep Date:	Analysis Date: **9/29/2023**	SeqNo: **3664093** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	120	5.0	100.0	9.170	106	70	130			
Toluene	110	5.0	100.0	3.570	106	70	130			
Ethylbenzene	110	5.0	100.0	0	107	70	130			
Xylenes, Total	450	10	300.0	124.8	107	70	130			
1,2,4-Trimethylbenzene	110	5.0	100.0	6.020	105	70	130			
1,3,5-Trimethylbenzene	120	5.0	100.0	11.36	105	70	130			
Surr: 4-Bromofluorobenzene	110		100.0		108	52.4	148			

Sample ID: **2309d91-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW01**	Batch ID: **BW100093**	RunNo: **100093**
Prep Date:	Analysis Date: **9/29/2023**	SeqNo: **3664094** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	110	5.0	100.0	9.170	106	70	130	0.529	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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/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#: **2309D91**

04-Oct-23

Client: Harvest

Project: Pritchard 2A

Sample ID: **2309d91-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW01**	Batch ID: **BW100093**	RunNo: **100093**
Prep Date:	Analysis Date: **9/29/2023**	SeqNo: **3664094** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	110	5.0	100.0	3.570	106	70	130	0.0183	20	
Ethylbenzene	110	5.0	100.0	0	107	70	130	0.169	20	
Xylenes, Total	450	10	300.0	124.8	108	70	130	0.948	20	
1,2,4-Trimethylbenzene	120	5.0	100.0	6.020	110	70	130	4.57	20	
1,3,5-Trimethylbenzene	120	5.0	100.0	11.36	109	70	130	3.62	20	
Surr: 4-Bromofluorobenzene	110		100.0		109	52.4	148	0	0	

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 standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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: 2309D91 | RcptNo: 1

Received By: Juan Rojas 9/26/2023 7:30:00 AM

Completed By: Cheyenne Cason 9/26/2023 10:32:44 AM

Reviewed By: SCM 9/26/23

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 ☐ 9-26-23	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: 9-26-23

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	3.1	Good	Yes	Yogi		

Chain-of-Custody Record

Client: Harvest

Oakley Hayes

Mailing Address:

Phone #:

email or Fax#: oakley.hayes@harvestmidstream.com

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Pritchard #2A

Project #:

Project Manager: Reece Hanson - Ensolum

Sampler: Al Thomson

On Ice: ☑ Yes ☐ No

# of Coolers: 1 YOG

Cooler Temp(including CF): 3.1 - 0 = 3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309091	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)
9-22	11:11	H2O	MW01	3x Voas	HCl	001	X									
9-21	15:24		MW02R			002										
9-22	12:37		MW05			003										
9-21	13:16		MW07			004										
9-21	12:33		MW08			005										
9-21	13:50		MW09			006										
9-21	14:36		MW10			007										
9-22	11:57		MW11			008										
9-22	10:36		MW12			009										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9-25	10:15	Al Thomson	[illegible] Walt		9/25/23	1015
9/25/23	1840	[illegible]	LCM	COURIER	9/26/23	0730

Remarks:
cc: rhanson@ensolum.com
athomson@ensolum.com

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 327912

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	373888
	Action Number: 327912
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for Pritchard #2A: Content Satisfactory 1. Propose additional well installation for further delineation in the north and southwest portion to better characterize plume. Propose plan within sixty (60) days of receipt of this response from OCD. 2. Continue groundwater monitoring as prescribed every quarter for COCs. 3. Continue to manually bail LNAPL and utilize absorbent socks to recover product. 4. Submit next annual groundwater report by April 1, 2025.	5/13/2024