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March 19, 2024

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

Re: 2023 Annual Groundwater Report
Davis #1A
San Juan County, New Mexico
Harvest Four Corners, LLC
NMOCD Incident# nAUTOfAB000119
Remediation Permit Number 3RP-311-0

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 2023. 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.

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, and 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 2023, 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 June 2023.

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 thickness.

Product recovery socks are installed to absorb residual PSH within the monitoring wells MW-2R and MW-4. Approximately 5 ounces of PSH were recovered with product recovery socks during 2023.

RESULTS

Depth to groundwater data collected during the February, June, August, and December 2023 monitoring events is summarized in Table 1. Groundwater flow direction was generally to the north (Figure 2 through Figure 5). Monitoring wells MW-1 and MW-6 were dry during all groundwater monitoring events.

Trace PSH was observed in monitoring wells MW-2R and MW-4 during the June 2023 groundwater sampling event while purging the wells for ground water sampling. No PSH thickness was measured with the oil/water interface probe during 2023. 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 at 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. Trace PSH was observed in monitoring wells MW-2R and MW-4 in 2023. 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.

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. Harvest and Ensolum plan to add Oxygen Release Compound® (ORC) Filter Socks from Regenesis® in monitoring wells MW-2R and MW-4 to increase oxygen in the subsurface to enhance aerobic biodegradation of hydrocarbons once PSH is no longer observed. 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 2024 will be submitted to the NMOCD by March 31, 2025. 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

Eric Carroll
Project Geologist
(303) 842-9578
ecarroll@ensolum.com

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

Attachments:

Figure 1: Site Location Map
Figure 2: Groundwater Elevation Contour Map (February 2023)
Figure 3: Groundwater Elevation and Analytical Results (May 2023)
Figure 4: Groundwater Elevation Contour Map (September 2023)
Figure 5: Groundwater Elevation Contour Map (December 2023)

Table 1: Groundwater Elevation
Table 2: Groundwater Analytical Results

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

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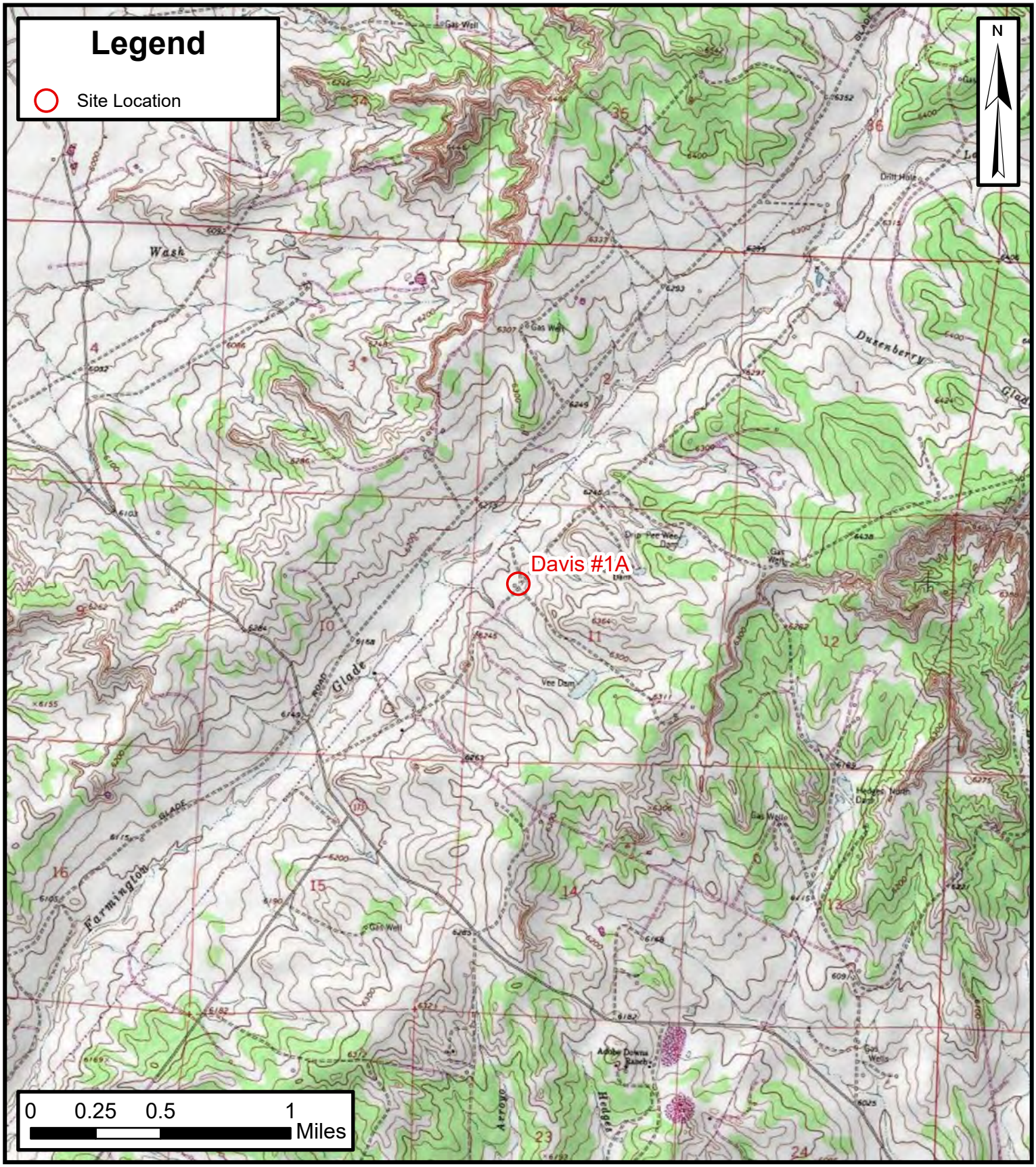
FIGURES



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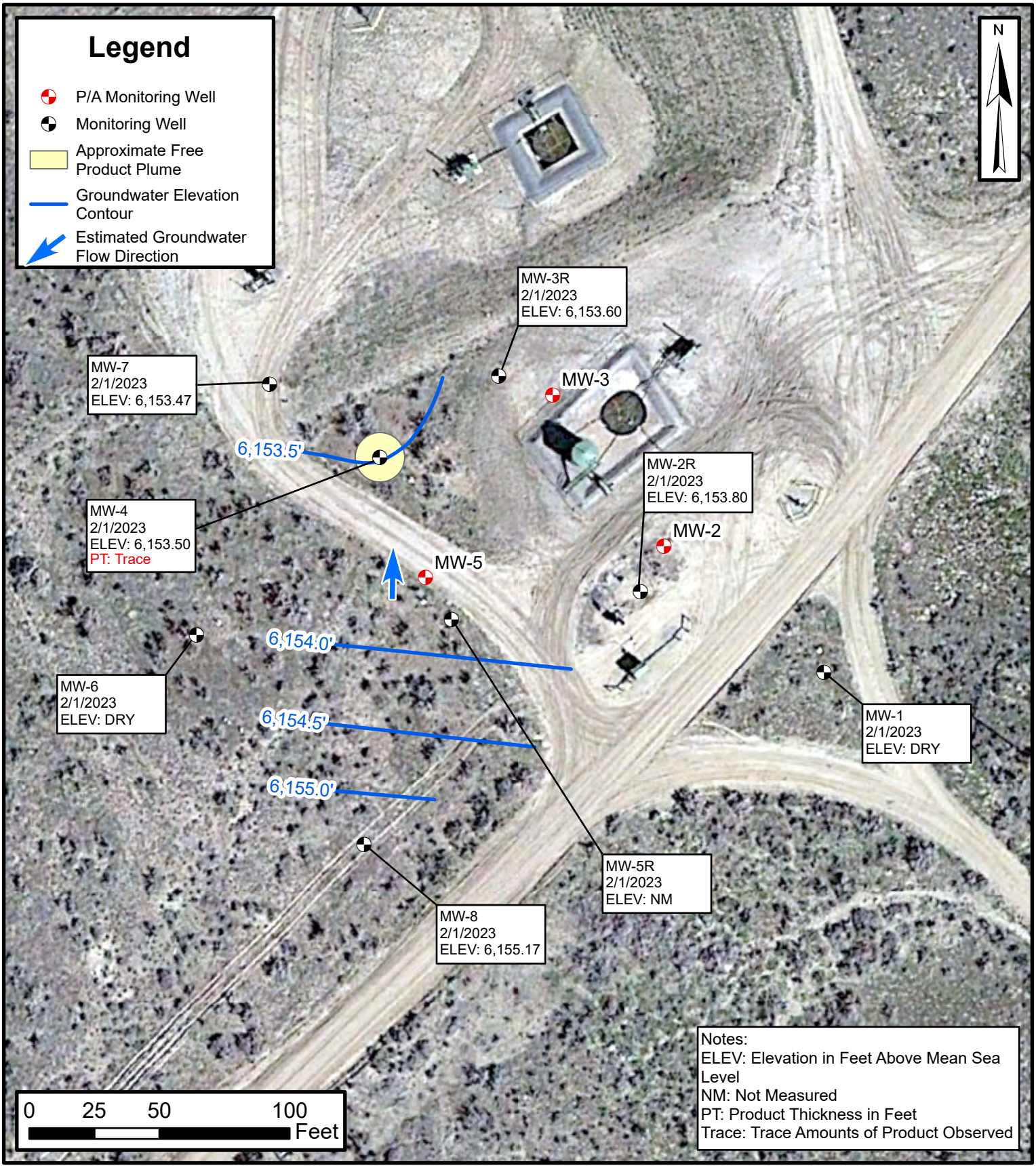
Site Location Map

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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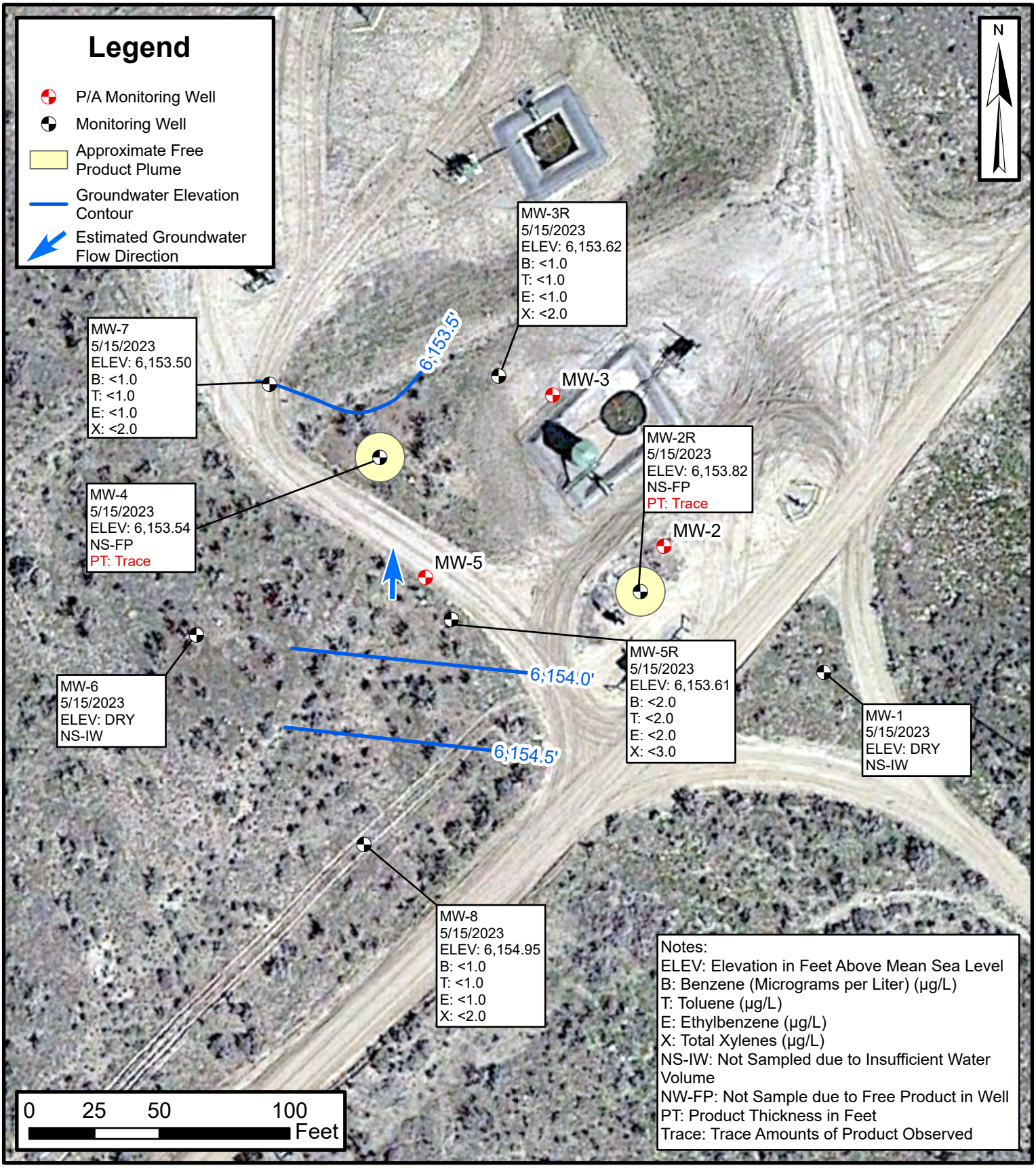
Groundwater Elevation Contour Map (February 2023)

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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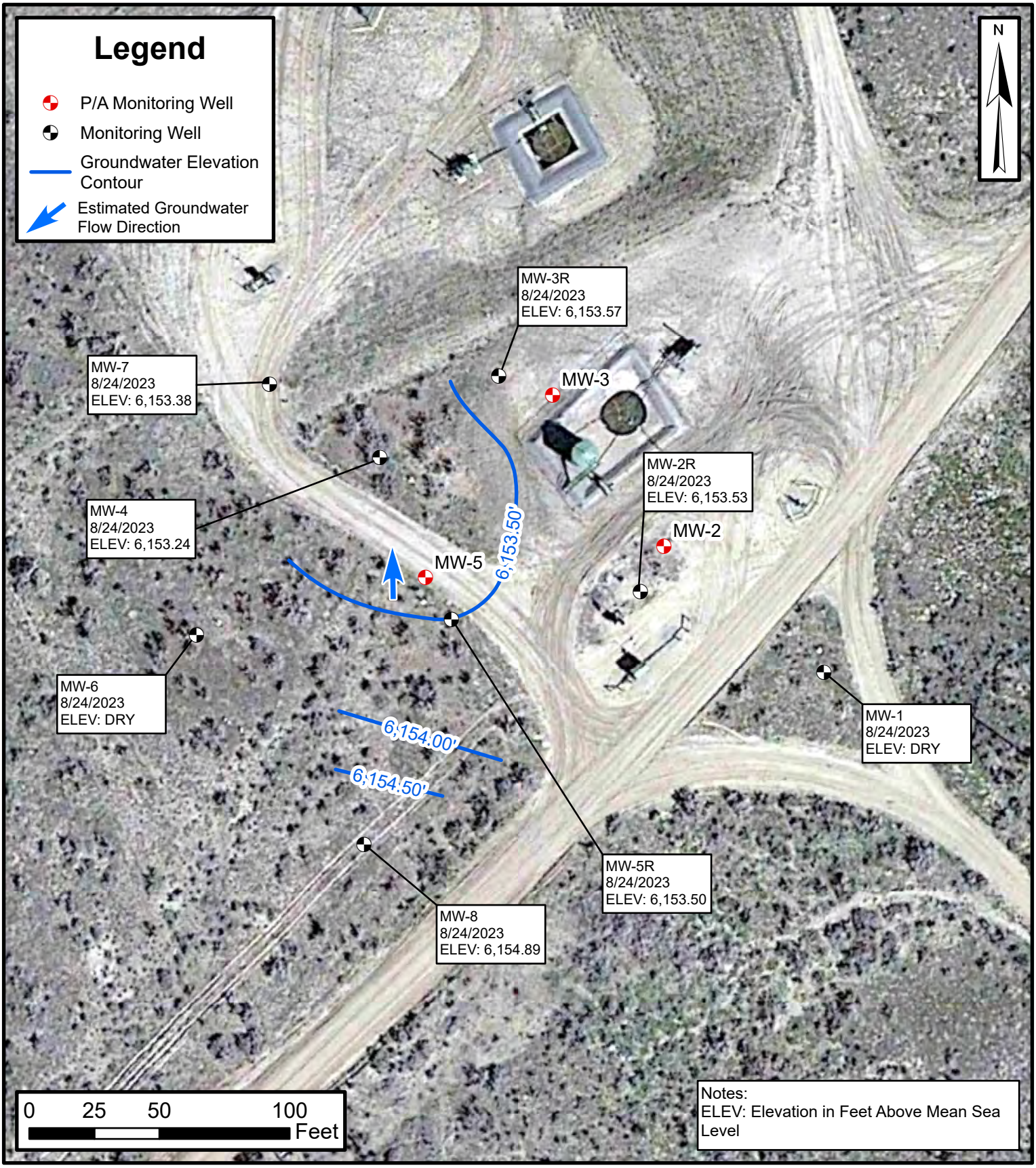
Groundwater Analytical Results and Elevation Contour Map (May 2023)

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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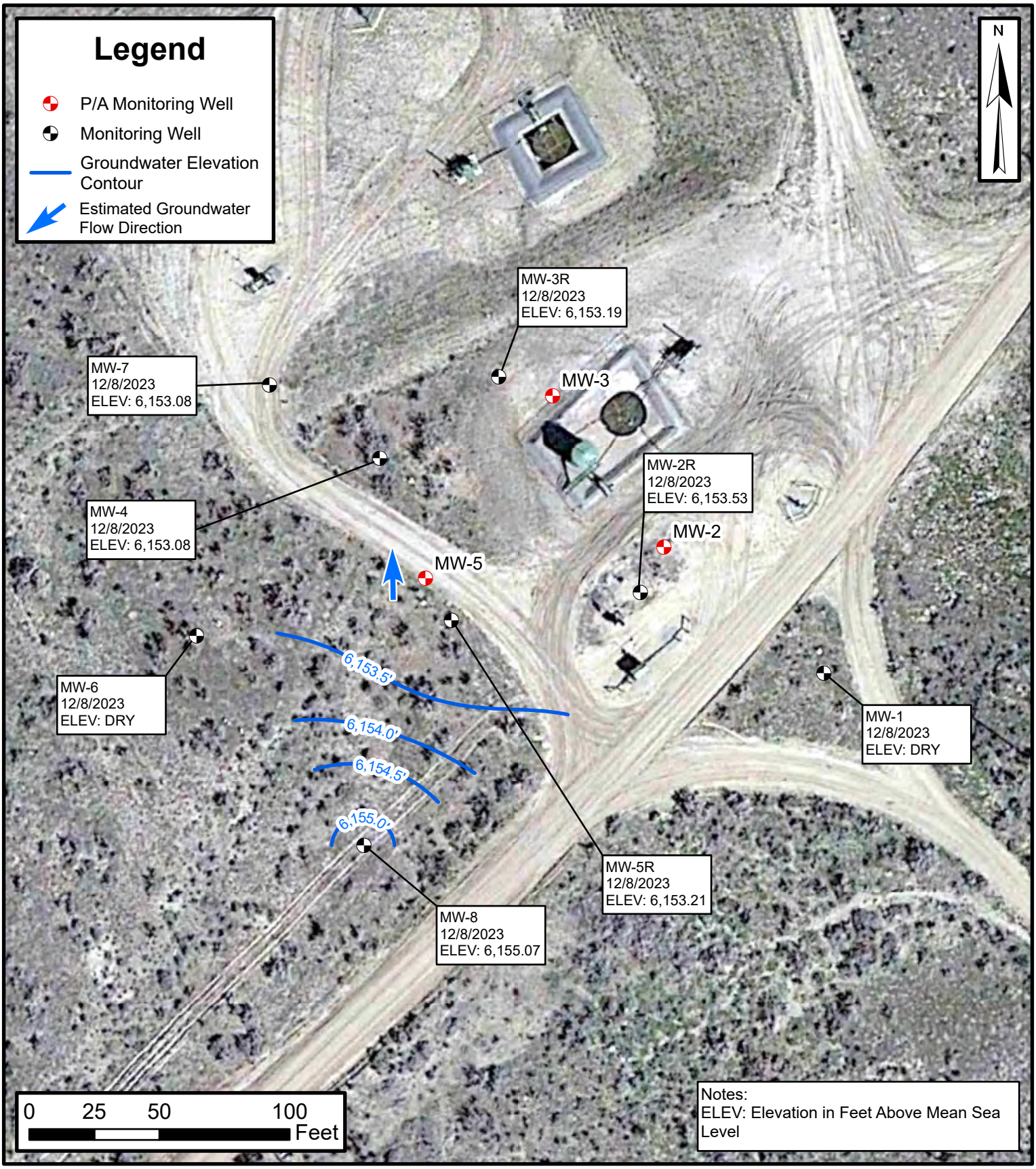
Groundwater Elevation Contour Map (August 2023)

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 2023)

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
		2/1/2023	DRY	NP	NP	DRY
		5/15/2023	DRY	NP	NP	DRY
		8/24/2023	DRY	NP	NP	DRY
		12/8/2023	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

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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*	6/27/2018	DRY	NP	NP	DRY
		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
		2/1/2023	65.22	NP	NP	6,153.80
		5/15/2023	65.20	TRACE	TRACE	6,153.82
		7/10/2023	65.33	NP	NP	6,153.69
		8/24/2023	65.49	NP	NP	6,153.53
		12/8/2023	65.62	NP	NP	6,153.40
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
		2/1/2023	64.50	NP	NP	6,153.60
		5/15/2023	64.48	NP	NP	6,153.62
		8/24/2023	64.66	NP	NP	6,153.44
		12/8/2023	64.91	NP	NP	6,153.19
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

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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*	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
		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
		2/1/2023	64.90	TRACE	TRACE	6,153.50
		5/15/2023	64.86	TRACE	TRACE	6,153.54
		7/10/2023	65.01	NP	NP	6,153.39
		8/24/2023	65.16	NP	NP	6,153.24
		12/8/2023	65.32	NP	NP	6,153.08
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	6,217.63**	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

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TABLE 1
Groundwater Elevation
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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-5R	6,217.63**	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
		2/1/2023	NM	NM	NM	NM
		5/15/2023	64.02	NP	NP	6,153.61
		8/24/2023	64.13	NP	NP	6,153.50
		12/8/2023	64.42	NP	NP	6,153.21
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
		2/1/2023	DRY	NP	NP	DRY
		5/15/2023	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-6	6,219.03**	8/24/2023	DRY	NP	NP	DRY
		12/8/2023	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
	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
		2/1/2023	63.61	NP	NP	6,153.47
		5/15/2023	63.58	NP	NP	6,153.50
		8/24/2023	63.85	NP	NP	6,153.23
		12/8/2023	64.00	NP	NP	6,153.08
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

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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-8	6,222.03	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
		2/1/2023	66.86	NP	NP	6,155.17
		5/15/2023	67.08	NP	NP	6,154.95
		8/24/2023	67.14	NP	NP	6,154.89
		12/8/2023	66.96	NP	NP	6,155.07

Notes:

AMSL: above mean sea level

BTOC: below top of casing

DEST: well has been destroyed

NP: no product detected

NM: no t measured

** 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
	5/31/2022	DRY	DRY	DRY	DRY
	5/15/2023	DRY	DRY	DRY	DRY
MW-2	5/25/1999	NS	NS	NS	NS
	9/20/1999	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-2	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
	5/15/2023	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
	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

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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-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
	5/15/2023	<1.0	<1.0	<1.0	<1.0
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
	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

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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	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
	5/15/2023	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
	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

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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-5R	5/15/2023	<2.0	<2.0	<2.0	<2.0
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
	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

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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	6/8/2020	DRY	DRY	DRY	DRY
	5/16/2021	DRY	DRY	DRY	DRY
	5/31/2022	DRY	DRY	DRY	DRY
	5/15/2023	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
	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

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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	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
	5/15/2023	<1.0	<1.0	<1.0	<2.0
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
	5/15/2023	<1.0	<1.0	<1.0	<2.0

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: Quarterly Groundwater Monitoring
Project Number: 07B2002010
Project Location: Davis #1A
Sampler: A. Thomson

Sample ID: MW-3R
Sample Date: 5/15
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 15:11
Shipping Method: Hand Delivery

Depth to Water: 64.48
Time: 14:44
Total Depth of Well: 74.23
Depth to Product: —

Vol. of Water to Purge: 4.75 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. C (F)	Conductivity (us or ms)	Comments
14:48	1	1	7.31	17.6	5.65	Brown, turbid
14:53	1	2	7.24	16.1	5.42	↓
14:57	1	3	7.20	15.9	5.33	
15:02	1	4	7.28	15.7	5.28	
15:07	0.75	4.75	7.29	15.6	5.22	

Comments: No sheen or odor

Describe Deviations from SOP:

Signature: [signature] Date: 5/15/23

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002010
Project Location: Davis #1A
Sampler: A. Thomson

Sample ID: MW-7
Sample Date: 5-15
Matrix: Groundwater
Sample Time: 14:30
Laboratory: Hall Environmental
Shipping Method: Hand Delivery
Analyses: BTEX

Depth to Water: 63.58
Time: 14:12
Total Depth of Well: 66.82
Depth to Product: —

Vol. of Water to Purge: 1.58 gallons (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. C ~~(F)~~	Conductivity (us or ~~ms~~)	Comments
14:16	0.5	0.5	7.56	16.6	6.28	Brown, turbid
14:19	0.5	1.0	7.66	16.0	6.66	↓
14:23	0.5	1.5	7.68	15.7	7.27	
14:26	0.25	1.75	7.54	15.6	7.01	

Comments: No sheen, no odor

Describe Deviations from SOP:

Signature: [signature]
Date: 5/15/23

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002010
Project Location: Davis #1A
Sampler: A. Thomson

Sample ID: MW-5R
Sample Date: 5-15
Laboratory: Hall Environmental
Analyses: BTEX
Matrix: Groundwater
Sample Time: 14:00
Shipping Method: Hand Delivery

Depth to Water: 64.02
Time: 13:25
Total Depth of Well: 72.84
Depth to Product: —

Vol. of Water to Purge: 4.31 gallons (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. °C	Conductivity (us or ms)	Comments
13:31	1	1	7.45	16.0	4.93	gray turbid
13:38	1	2	7.61	15.6	4.72	↓
13:42	1	3	7.53	15.7	4.53	
13:49	1	4	7.47	15.8	4.83	
13:55	0.5	4.5	7.52	16.0	3.78	

Comments: No sheen, no odor

Describe Deviations from SOP:

Signature: [signature] Date: 5/15/23

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002010
Project Location: Davis #1A
Sampler: A. Thomson

Sample ID: MW-8
Sample Date: 5/15
Matrix: Groundwater
Sample Time: 13:10
Laboratory: Hall Environmental
Shipping Method: Hand Delivery
Analyses: BTEX

Depth to Water: 67.05
Time: 12:56
Total Depth of Well: 68.84
Depth to Product: —

Vol. of Water to Purge: 0.86 gal (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Bailer
Method of Sampling: Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. C ~~F~~	Conductivity (us or ~~ms~~)	Comments
12:58	0.25	0.25	7.43	15.6	4.61	Gray, turbid
13:00	0.25	0.5	7.46	15.3	4.66	↓
13:02	0.25	0.75	7.52	14.9	4.71	
13:05	0.25	1.00	7.73	14.7	4.90	

Comments: No odor or sheen

Describe Deviations from SOP:

Signature: [signature] Date: 5/15/23

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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

May 30, 2023

Eric Carroll

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

RE: Davis 1A OrderNo.: 2305969

Dear Eric Carroll:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/18/2023 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 **2305969**
Date Reported: **5/30/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-3R
Project: Davis 1A
Collection Date: 5/15/2023 3:11:00 PM
Lab ID: 2305969-001 **Matrix:** AQUEOUS **Received Date:** 5/18/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	5/23/2023 3:48:03 PM	R96952
Toluene	ND	1.0		µg/L	1	5/23/2023 3:48:03 PM	R96952
Ethylbenzene	ND	1.0		µg/L	1	5/23/2023 3:48:03 PM	R96952
Xylenes, Total	ND	2.0		µg/L	1	5/23/2023 3:48:03 PM	R96952
Surr: 4-Bromofluorobenzene	101	52.4-148		%Rec	1	5/23/2023 3:48:03 PM	R96952

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 **2305969**
Date Reported: **5/30/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-5R
Project: Davis 1A
Collection Date: 5/15/2023 2:00:00 PM
Lab ID: 2305969-002 **Matrix:** AQUEOUS **Received Date:** 5/18/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	2.0		µg/L	2	5/23/2023 4:11:36 PM	R96952
Toluene	ND	2.0		µg/L	2	5/23/2023 4:11:36 PM	R96952
Ethylbenzene	ND	2.0		µg/L	2	5/23/2023 4:11:36 PM	R96952
Xylenes, Total	ND	4.0		µg/L	2	5/23/2023 4:11:36 PM	R96952
Surr: 4-Bromofluorobenzene	97.8	52.4-148		%Rec	2	5/23/2023 4:11:36 PM	R96952

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 **2305969**
Date Reported: **5/30/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-7
Project: Davis 1A
Collection Date: 5/15/2023 2:30:00 PM
Lab ID: 2305969-003 **Matrix:** AQUEOUS **Received Date:** 5/18/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	5/23/2023 4:35:13 PM	R96952
Toluene	ND	1.0		µg/L	1	5/23/2023 4:35:13 PM	R96952
Ethylbenzene	ND	1.0		µg/L	1	5/23/2023 4:35:13 PM	R96952
Xylenes, Total	ND	2.0		µg/L	1	5/23/2023 4:35:13 PM	R96952
Surr: 4-Bromofluorobenzene	97.8	52.4-148		%Rec	1	5/23/2023 4:35:13 PM	R96952

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 **2305969**
Date Reported: **5/30/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: MW-8
Project: Davis 1A
Collection Date: 5/15/2023 1:10:00 PM
Lab ID: 2305969-004 **Matrix:** AQUEOUS **Received Date:** 5/18/2023 6:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**	
Benzene	ND	1.0		µg/L	1	5/23/2023 4:58:56 PM	R96952
Toluene	ND	1.0		µg/L	1	5/23/2023 4:58:56 PM	R96952
Ethylbenzene	ND	1.0		µg/L	1	5/23/2023 4:58:56 PM	R96952
Xylenes, Total	ND	2.0		µg/L	1	5/23/2023 4:58:56 PM	R96952
Surr: 4-Bromofluorobenzene	98.6	52.4-148		%Rec	1	5/23/2023 4:58:56 PM	R96952

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#: **2305969**

30-May-23

Client: Harvest

Project: Davis 1A

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R96952**	RunNo: **96952**
Prep Date:	Analysis Date: **5/23/2023**	SeqNo: **3517544** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	89.7	70	130			
Toluene	18	1.0	20.00	0	92.5	70	130			
Ethylbenzene	19	1.0	20.00	0	93.2	70	130			
Xylenes, Total	56	2.0	60.00	0	92.6	70	130			
Surr: 4-Bromofluorobenzene	20		20.00		98.6	52.4	148			

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R96952**	RunNo: **96952**
Prep Date:	Analysis Date: **5/23/2023**	SeqNo: **3517545** 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								
Surr: 4-Bromofluorobenzene	19		20.00		94.3	52.4	148			

Sample ID: **2305969-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-3R**	Batch ID: **R96952**	RunNo: **96952**
Prep Date:	Analysis Date: **5/23/2023**	SeqNo: **3518247** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	92.0	70	130			
Toluene	19	1.0	20.00	0	93.7	70	130			
Ethylbenzene	19	1.0	20.00	0	94.7	70	130			
Xylenes, Total	57	2.0	60.00	0	94.3	70	130			
Surr: 4-Bromofluorobenzene	20		20.00		98.3	52.4	148			

Sample ID: **2305969-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-3R**	Batch ID: **R96952**	RunNo: **96952**
Prep Date:	Analysis Date: **5/23/2023**	SeqNo: **3518248** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.8	70	130	0.174	20	
Toluene	19	1.0	20.00	0	92.8	70	130	0.965	20	
Ethylbenzene	19	1.0	20.00	0	94.4	70	130	0.349	20	
Xylenes, Total	57	2.0	60.00	0	94.3	70	130	0.0177	20	
Surr: 4-Bromofluorobenzene	20		20.00		99.7	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: 2305969 | RcptNo: 1

Received By: Juan Rojas 5/18/2023 6:50:00 AM

Completed By: Desiree Dominguez 5/18/2023 9:33:47 AM

Reviewed By: KPA 5.18.23

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 ☐	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: MS 5/18/23

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:

Client phone number and mailing address not provided on COC. -DAD 5/18/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes	Morty		

Chain-of-Custody Record

Client: Harvest Four Corners

Attn: 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)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Davis #1A

Project #:

Project Manager: E. Carroll

Sampler: Al Thomson

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Metty

Cooler Temp (Including CF): 0.3+0.1=0.4 (°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. 2305969	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)
5/15	15:11	AQ	MW-3R	3 x VOAs	HCl	-001	X									
5/15	14:00	AQ	MW-5R	↓	↓	-002	↓									
5/15	14:30	AQ	MW-7			-003										
5/15	13:10	AQ	MW-8			-004										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
5-17	904				5/17/23	904
5/17/23	1746			courier	5/18/23	6:50

Remarks:
CC: ecarroll@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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	373888
	Action Number: 459784
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Report approved. Submit an annual report summarizing groundwater remediation and monitoring for activities in 2024 via the OCD permitting portal by March 31, 2025.	6/16/2025