Review of the 2022 Annual Groundwater Monitoring Report: **Content Unsatisfactory for Closure:**
1. A letter from IKAV Energy, outlining responsibility for their groundwater impact must be obtained by Harvest Four Corners, LLC
2. A closure report must be submitted and cannot be granted by this groundwater monitoring report alone.
3. The closure report must outline and address everything 19.15.30.19 paragraph A and B to suffice.
4. Continue to submit groundwater reports on annual basis and/or set-up a meeting with OCD to discuss. All constituents of concerns MUST meet eight (8) consecutive groundwater monitoring event below the NM WQCC allowable concentrations for closure.

ENSOLUM

March 30, 2023

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

Re: 2022 Annual Groundwater Monitoring Report
Florance #40
San Juan County, New Mexico
Harvest Four Corners, LLC
NMOCD Incident Number: nAUTOfAB000190
Remediation Permit Number: 3RP-315-0

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 Florance #40 (Site), Remediation Permit Number 3RP-315-0, Incident Number: nAUTOfAB000190, between January and December 2022. The scope of work for this project included quarterly monitoring of petroleum hydrocarbon impacts to groundwater resulting from the operation of a former earthen separator pit and a former dehydrator pit.

LOCATION

The Site is located at latitude 36.799827 and longitude -107.678573 in Unit G, Section 21 Township 30 North, Range 8 West (Figure 1). The Site is near Gobernador Canyon in the San Juan Basin in San Juan County, New Mexico.

HISTORY

There are two separate source areas at the Site: a former Amoco Production Company (Amoco) earthen separator pit that is now the responsibility of IKAV Energy Inc (IKAV), (formerly BP America Production Company) and a former Public Service Company of New Mexico (PNM) dehydrator pit that was the responsibility of Williams Four Corners, LLC (Williams), and is now the responsibility of Harvest (Figure 2).

In 1996, 646 cubic yards of petroleum hydrocarbon-impacted soil were removed by PNM from the former dehydrator pit. The floor of the excavation was 17 feet below ground surface (bgs) and field screening indicated petroleum hydrocarbon-impacted soil remained at this depth. Monitoring well MW01 was installed upgradient (north) of the source area and impacted soil was observed between 40 feet and 55 feet bgs. A test hole (later converted to monitoring well MW02) was installed 24 feet south of the former dehydrator pit. Impacts to soil were observed from 20 feet bgs to the test hole's total depth of 50 feet bgs, and groundwater sampled from monitoring well MW02 contained 11,507 micrograms per liter (µg/L) of total benzene, toluene, ethylbenzene, and xylenes (BTEX).

According to a letter from the New Mexico Oil Conservation Division (NMOCD) to Amoco dated December 30, 1997, Amoco was responsible for remediation of soil and groundwater contamination downgradient of the former earthen separator pit and PNM/Williams was responsible for groundwater contamination downgradient of the former dehydrator pit.

In 1997, monitoring wells MW03 and MW04 were installed downgradient of the former dehydrator pit. In August 1997, the casing for monitoring well MW02 collapsed, and the well was replaced with monitoring well MW06 in March 2000. In addition, in 1997 and in 2000, upgradient monitoring well MW05 and downgradient monitoring well MW07 were installed.

In 1998, Blagg Engineering installed monitoring well "AMOCO" in or adjacent to the former earthen separator pit and BP assumed responsibility for monitoring existing monitoring wells MW01 and MW05, as well as the newly-installed monitoring well AMOCO. IKAV eventually purchased the asset from BP.

Williams purchased the former Gas Company of New Mexico (GCNM) facility from PNM in 2000 and assumed environmental liability for the former dehydrator pit. Between 2000 and 2016, Williams monitored groundwater at the Site. Monitoring wells MW03 and MW06 contained phase-separated hydrocarbon (PSH) at some time between 1997 and 2002; it is not known if the PSH was recovered from monitoring wells MW03 or MW06 during this time. A fully saturated, product-recovery sock was discovered in monitoring well MW01 during the February 2013 site visit, indicating product recovery had been previously conducted in monitoring well MW01. Records regarding these activities are in previous groundwater reports submitted to the NMOCD. Monitoring well AMOCO was sampled by Williams in February 2013 during a Site re-evaluation; however, since the monitoring well is in BP/IKAV's area of responsibility, well AMOCO has not been sampled by Williams or Harvest since the 2013 event. Additionally, monitoring wells MW01 and MW05 are in IKAV's area of responsibility and have not been sampled by Williams.

In 2018, Harvest purchased the Site from Williams and assumed environmental liability for the former dehydrator pit. In 2019, Harvest installed monitoring wells MW03R, MW06R, and MW07R to replace damaged or dry wells MW03, MW06, and MW07. Additionally, Harvest installed MW08 to further delineate petroleum hydrocarbon impacts to the west.

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

METHODOLOGY

WSP USA, Inc. conducted quarterly groundwater monitoring activities at the Site in February, and Ensolum conducted groundwater monitoring activities in June, September, and December of 2022. Groundwater elevations were recorded from IKAV monitoring wells AMOCO, MW01, and MW05, and groundwater elevations and groundwater samples were collected from Harvest's monitoring wells MW03R, MW04, MW06R, MW07R, and MW08 during each quarterly event.

MW04 was dry or contained insufficient water to collect groundwater samples during all quarterly events.

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.

Groundwater from each monitoring well was purged and sampled using a disposable bailer. Purging was accomplished by removing stagnant groundwater from the monitoring well prior to collecting a sample. Field measurements of groundwater quality parameters, including temperature, pH, and electrical conductivity were collected during the purging process. Groundwater sample collection forms are included as Appendix A.

Following well purging, groundwater samples were placed directly into laboratory-provided containers and labeled with the date and time of collection, well designation, project name, sample collector's name, and parameters to be analyzed. Containers were immediately sealed and packed on ice to preserve samples. Samples were submitted to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico, for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by United State Environmental Protection Agency (EPA) Method 8260B. 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.

RESULTS

Depth to groundwater data collected during the February, June, September, and December 2022 monitoring events are summarized in Table 1. Groundwater flow direction was generally south, southwest (Figure 2 – Figure 5). Monitoring well MW04 had insufficient water to sample during all 2022 groundwater monitoring events.

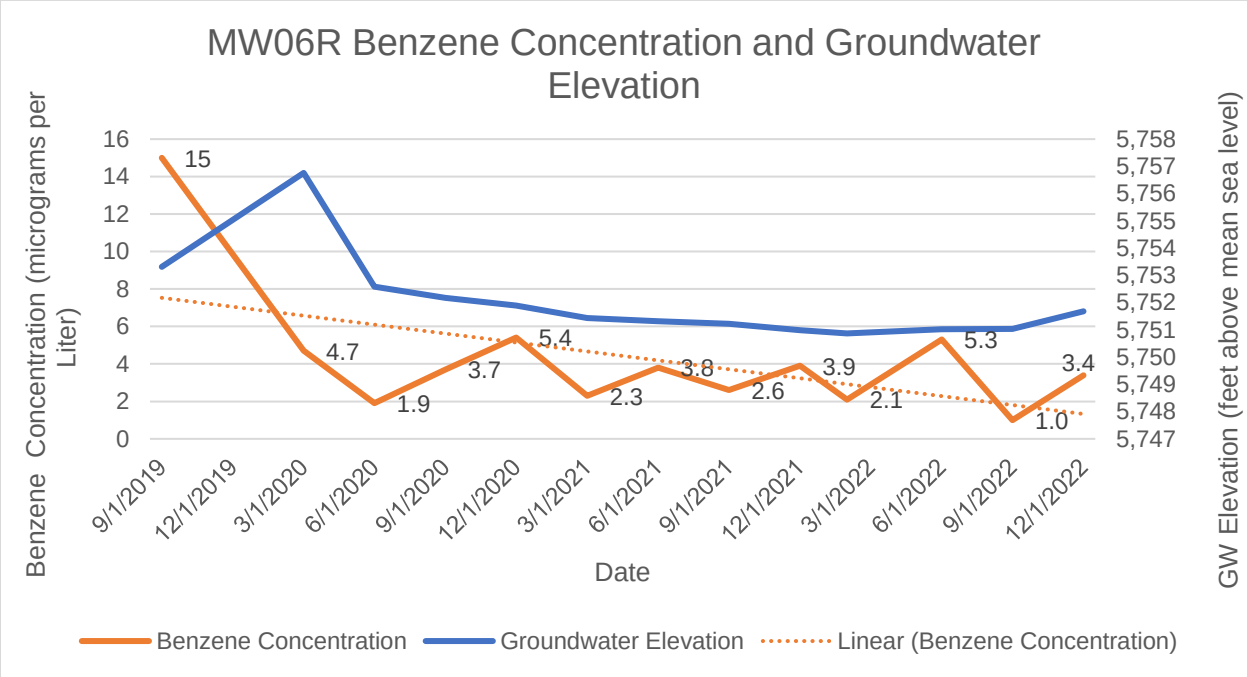
Groundwater sampled from monitoring well MW06R contained a benzene concentration of 5.3 micrograms per liter (µg/L) exceeding NMWQCC standards during the June 2022 sampling event. Groundwater sampled from monitoring well MW06R contained concentrations above laboratory reporting limits but below the NMWQCC standards during the February, September, and December 2022 sampling events. All other groundwater analytical results did not exceed the laboratory reporting limit for benzene and were in compliance with the NMWQCC standards for other constituents during 2022. Table 2 summarizes groundwater analytical results, and the complete laboratory analytical report is included in Appendix B.

CONCLUSION

Laboratory analytical results indicate that quarterly groundwater samples from monitoring well MW06R have been in compliance with the NMWQCC standards for benzene since March 2020, except during the December 2020 and June 2022 sampling events when benzene concentrations were 5.4 µg/L and 5.3 µg/L, respectively. During that time period, benzene concentrations in MW06R have exhibited an overall decline. That declining trend in concentrations and no documented migration of contaminants downgradient suggest that the petroleum hydrocarbon impacted groundwater is stable and naturally attenuating.

The following graph depicts MW06R benzene concentrations compared to groundwater elevations since its installation in September 2019. Since the June 2020 monitoring event, the

groundwater elevation has fluctuated less than 5 feet, which is within expected seasonal variability. During that same time frame, the benzene concentration decreased steadily, as shown by the linear trendline. The benzene concentrations appear to be independent of groundwater elevation fluctuations, indicating stability in the remaining impacts to groundwater. Monitoring well MW06R is delineated immediately downgradient by MW03R, which has not exhibited any benzene concentrations for the last 10 quarters, further indicating that there is no threat of groundwater impacts migrating.



Based on monitoring wells MW03R, MW04, MW07R, and MW08 having concentrations of BTEX in compliance with NMWQCC standards for eight consecutive quarters and monitoring well MW06R having concentrations of BTEX in compliance with NMWQCC standards for 10 of the last 12 quarters, with only minor benzene exceedances, Ensolum, on behalf of Harvest, requests closure and no further action at the Site.

MONITORING PLAN

Harvest will continue to measure depth to groundwater and conduct quarterly sampling from monitoring wells MW03R, MW04, MW06R, MW07R, and MW08 if there is sufficient water until Harvest receives approval for closure from the NMOCD.

Ensolum appreciates the opportunity to provide this report to the NMOCD. If you should have any questions or comments regarding this document, please contact the undersigned.

Sincerely,

Ensolum, LLC

Danny Burns
Senior Geologist

Brooke Herb
Senior Geologist

(303) 601-1420
dburns@ensolum.com

(970) 403-6824
bherb@ensolum.com

Attachments:

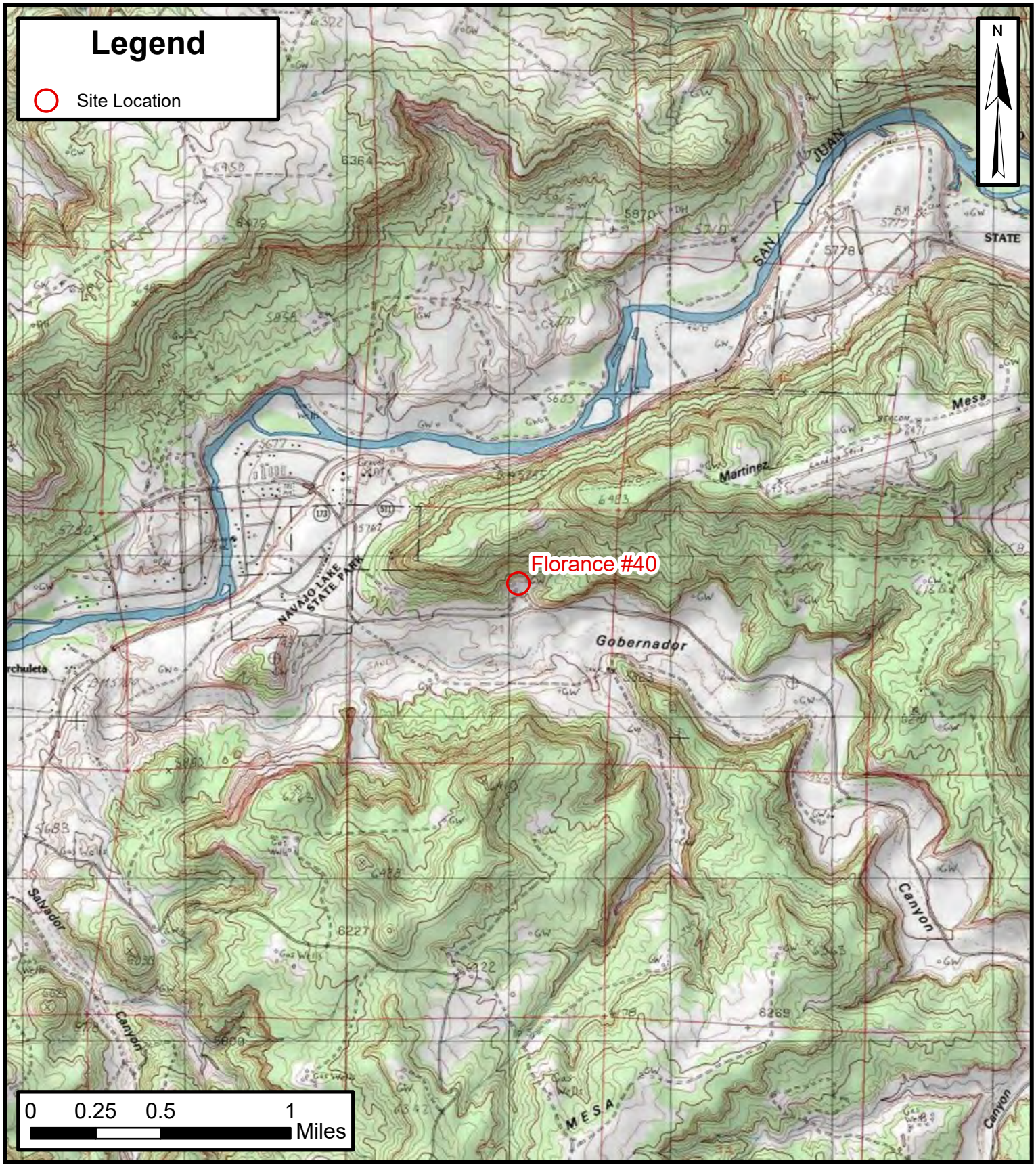
Figure 1: Site Location Map
Figure 2: Groundwater Elevation and Analytical Results (February 2022)
Figure 3: Groundwater Elevation and Analytical Results (June 2022)
Figure 4: Groundwater Elevation and Analytical Results (September 2022)
Figure 5: Groundwater Elevation and Analytical Results (December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

Table 1: Groundwater Elevation
Table 2: Groundwater Analytical Results

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

ENSOLUM

FIGURES



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Site Location Map

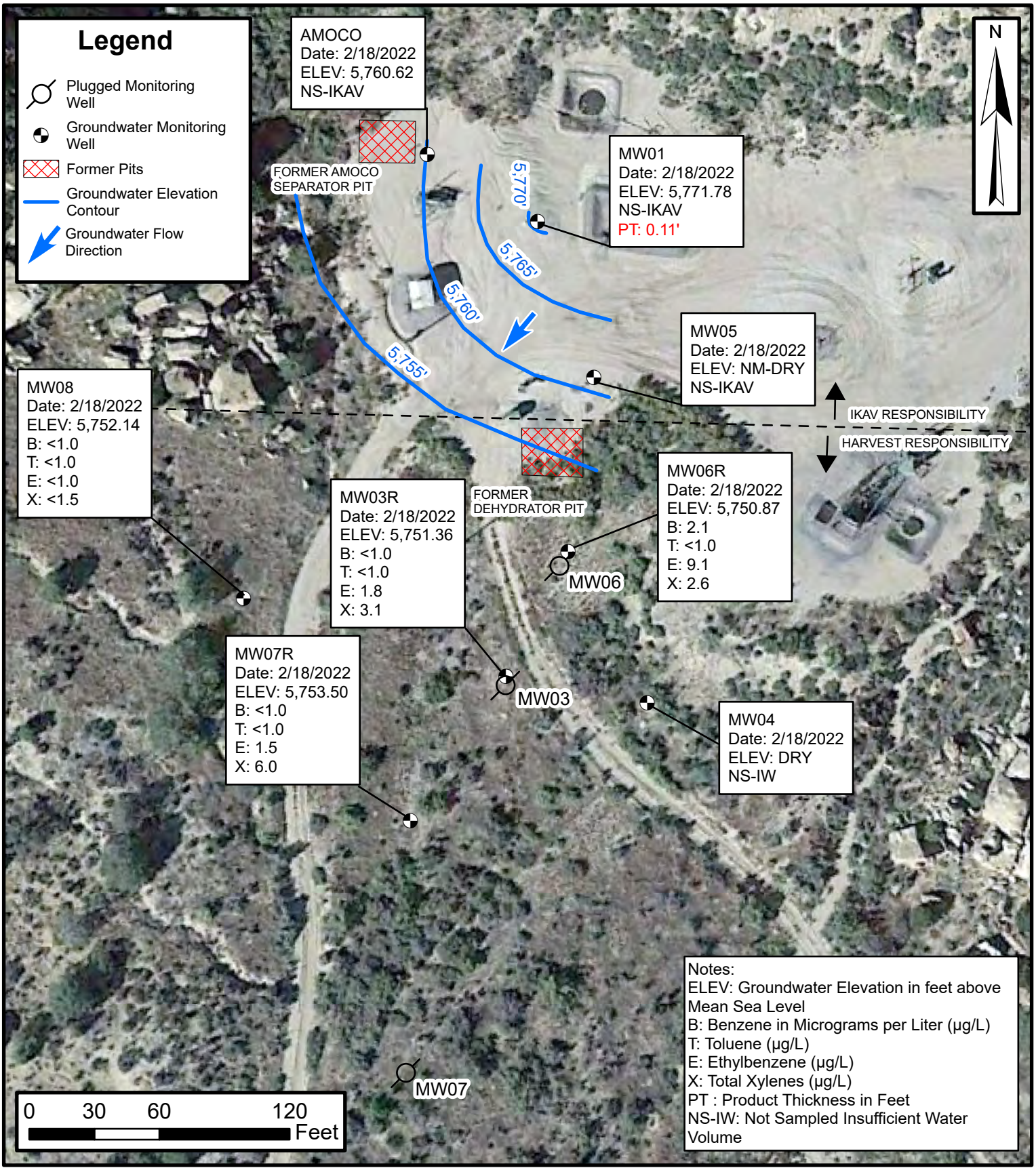
Florance #40

Harvest Four Corners, LLC

36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
1

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



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Elevation and Analytical Results (February 2022)

Florance #40

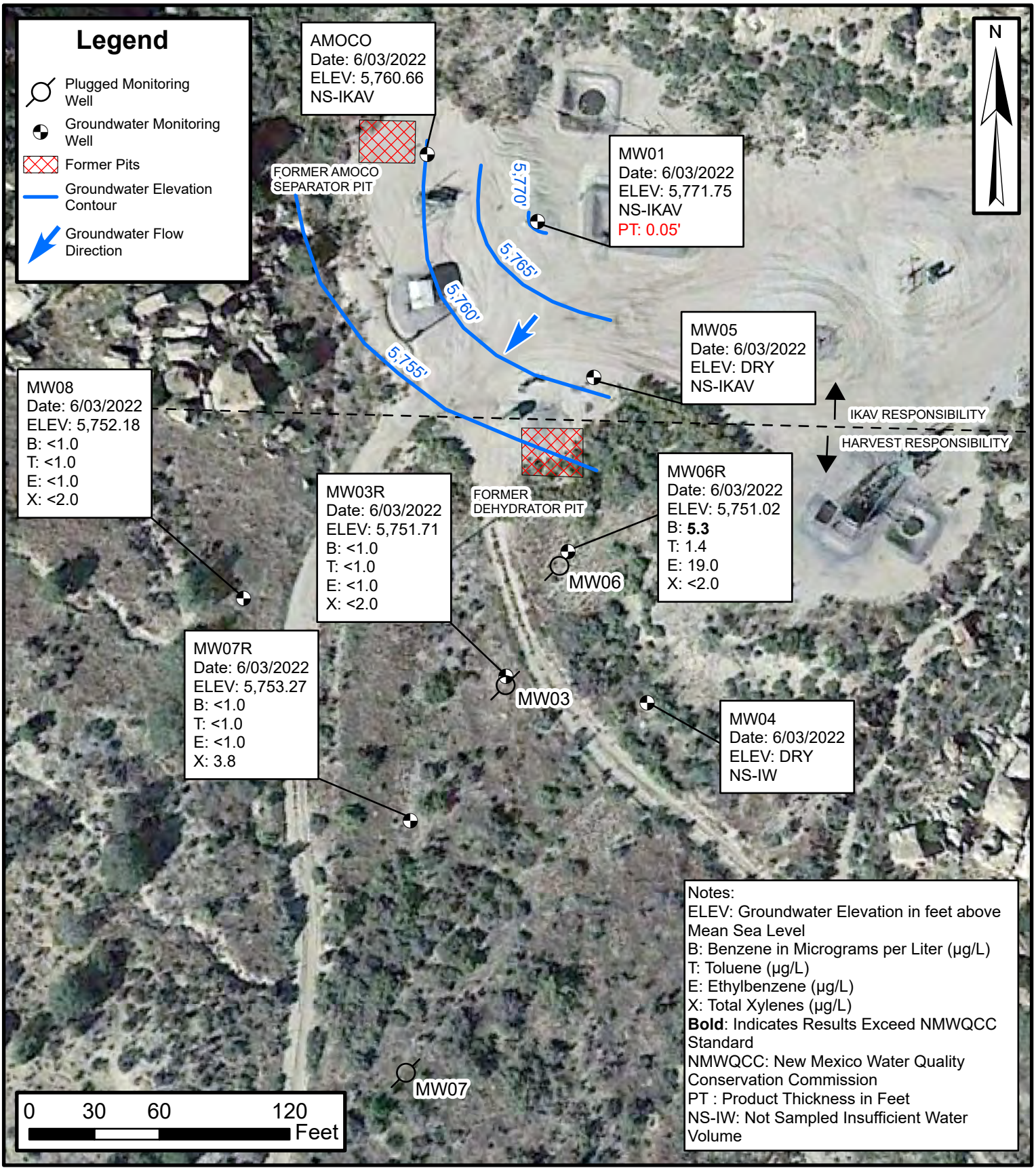
Harvest Four Corners, LLC

36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE

2

Sources: Google Earth



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Elevation and Analytical Results (June 2022)

Florance #40

Harvest Four Corners, LLC

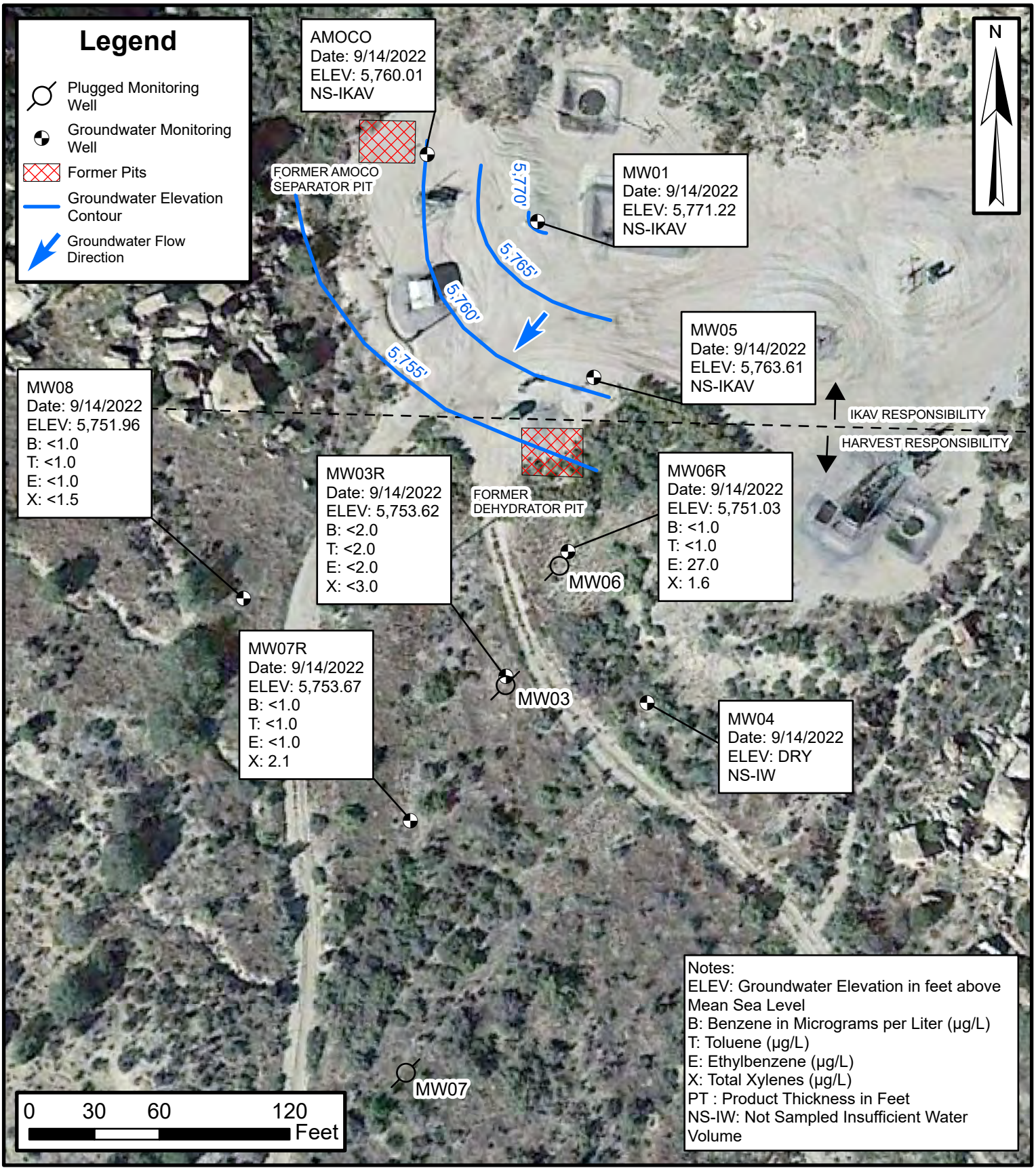
36°47'57.95"N, 107°40'43.06"W

San Juan County, New Mexico

FIGURE

3

Sources: Google Earth



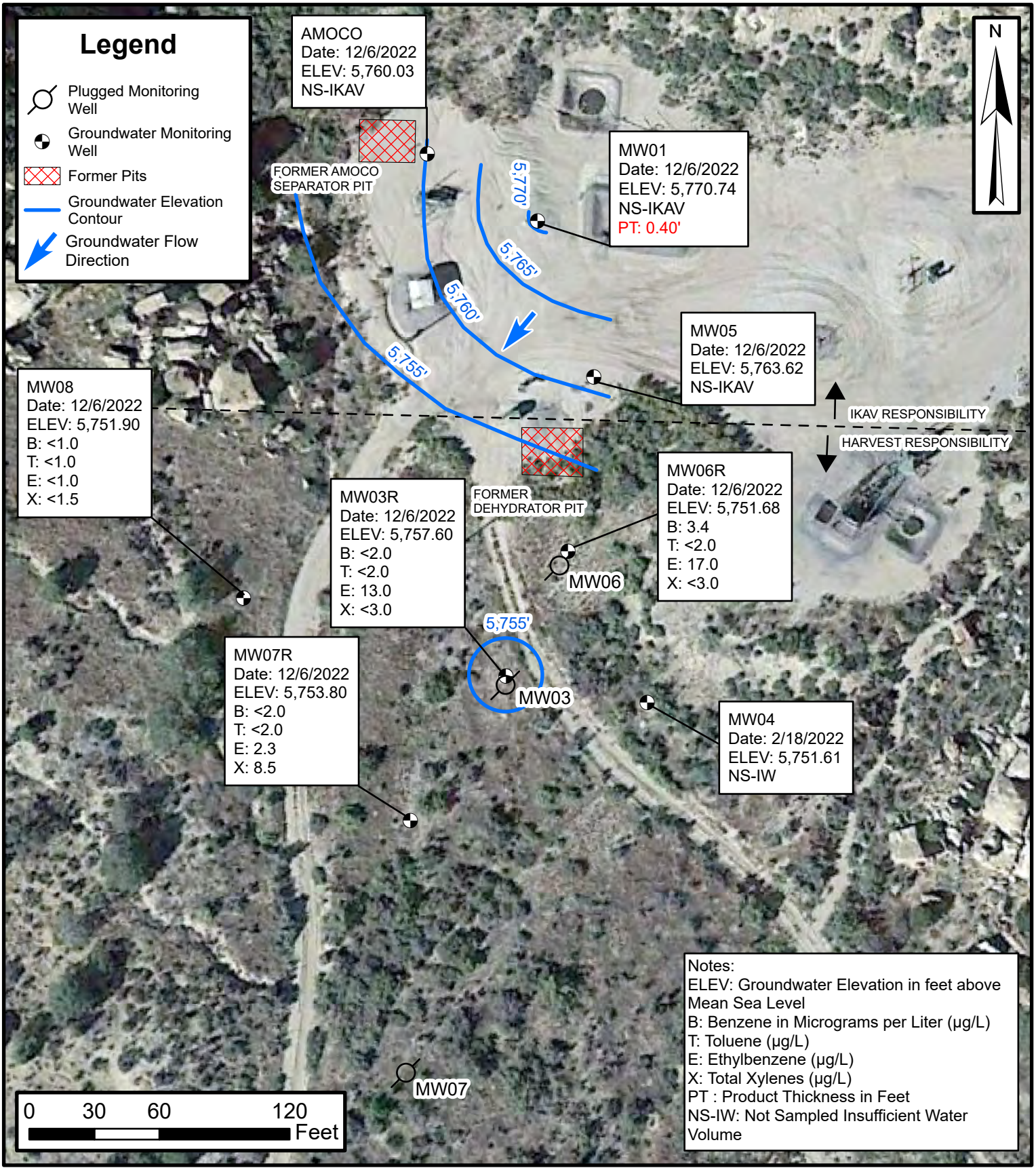
ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Elevation and Analytical Results (September 2022)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
4

Sources: Google Earth



ENSOLUM
Environmental, Engineering and Hydrogeologic Consultants

Groundwater Elevation and Analytical Results (December 2022)

Florance #40
Harvest Four Corners, LLC
36°47'57.95"N, 107°40'43.06"W
San Juan County, New Mexico

FIGURE
5

Sources: Google Earth

ENSOLUM

TABLES

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
AMOCO	1/3/2012	6,234.87	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		61.27	NP	NP	6,173.60
	6/24/2013	5,822.11*	61.63	NP	NP	5,760.48
	9/26/2013		61.64	NP	NP	5,760.47
	12/6/2013		61.31	NP	NP	5,760.80
	3/19/2014		61.36	NP	NP	5,760.75
	6/12/2014		61.65	NP	NP	5,760.46
	9/12/2014		61.73	NP	NP	5,760.38
	12/4/2014		61.70	NP	NP	5,760.41
	3/10/2015		61.71	NP	NP	5,760.40
	6/15/2015		61.75	NP	NP	5,760.36
	9/24/2015		61.82	NP	NP	5,760.29
	12/17/2015		61.56	NP	NP	5,760.55
	9/9/2016		61.70	NP	NP	5,760.41
	9/30/2019		61.80	NP	NP	5,760.31
	3/3/2020	5,822.19**	61.86	NP	NP	5,760.33
	6/9/2020		62.00	NP	NP	5,760.19
	9/23/2020		62.07	NP	NP	5,760.12
	12/1/2020		62.16	NP	NP	5,760.03
	3/31/2021		61.60	NP	NP	5,760.59
	6/2/2021		62.05	NP	NP	5,760.14
	9/9/2021		62.19	NP	NP	5,760.00
	12/2/2021		62.11	NP	NP	5,760.08
	2/18/2022		61.57	NP	NP	5,760.62
	6/3/2022		UNK	NP	NP	UNK
	9/14/2022		62.18	NP	NP	5,760.01
	12/6/2022		62.16	NP	NP	5,760.03
MW01	1/3/2012	6,231.60	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		45.92	45.90	0.02	6,185.68

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW01	6/24/2013	5,818.84*	46.00	NP	NP	5,772.84
	9/26/2013		45.35	NP	NP	5,773.49
	12/6/2013		45.42	45.40	0.02	5,773.42
	3/19/2014		45.43	NP	NP	5,773.41
	6/12/2014		45.40	NP	NP	5,773.44
	9/12/2014		45.46	NP	NP	5,773.38
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		44.27	NP	NP	5,774.57
	6/15/2015		45.59	NP	NP	5,773.25
	9/24/2015		45.70	NP	NP	5,773.14
	12/17/2015		45.60	NP	NP	5,773.24
	9/9/2016		45.15	NP	NP	5,773.69
	9/30/2019	5,817.66**	45.36	NP	NP	5,772.30
	3/3/2020		45.24	NP	NP	5,772.42
	6/9/2020		45.35	NP	NP	5,772.31
	9/23/2020		45.40	NP	NP	5,772.26
	12/1/2020		45.38	NP	NP	5,772.28
	3/31/2021		45.64	NP	NP	5,772.02
	6/2/2021		45.58	NP	NP	5,772.08
	9/9/2021		44.49	NP	NP	5,773.17
	12/2/2021		45.79	45.69	0.10	5,771.87
	2/18/2022		45.97	45.86	0.11	5,771.69
	6/3/2022		45.95	45.90	0.05	5,771.71
	9/14/2022		46.44	NP	NP	5,771.22
	12/6/2022		47.24	46.84	0.40	5,770.42
MW03	1/3/2012	6,219.05	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,806.34*	DRY	DRY	DRY	DRY
	9/26/2013		DRY	DRY	DRY	DRY
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW03	12/4/2014	5,806.34*	DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		DRY	DRY	DRY	DRY
	9/9/2016		DRY	DRY	DRY	DRY
MW03R	9/30/2019	5,805.45**	48.60	NP	NP	5,756.85
	3/3/2020		49.97	NP	NP	5,755.48
	6/9/2020		48.50	NP	NP	5,756.95
	9/23/2020		49.29	NP	NP	5,756.16
	12/1/2020		53.22	NP	NP	5,752.23
	3/31/2021		53.68	NP	NP	5,751.77
	6/2/2021		53.66	NP	NP	5,751.79
	9/9/2021		53.77	NP	NP	5,751.68
	12/2/2021		54.05	NP	NP	5,751.40
	2/18/2022		54.09	NP	NP	5,751.36
	6/3/2022		53.74	NP	NP	5,751.71
	9/14/2022		51.83	NP	NP	5,753.62
	12/6/2022		47.85	NP	NP	5,757.60
MW04	1/3/2012	6,219.64	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		46.61	46.59	0.02	6,173.05
	6/24/2013	5,806.56*	46.72	46.71	0.01	5,759.85
	9/26/2013		48.28	48.25	0.03	5,758.30
	12/6/2013		48.44	48.42	0.02	5,758.14
	3/19/2014		48.32	NP	NP	5,758.24
	6/12/2014		48.64	NP	NP	5,757.92
	9/12/2014		49.38	NP	NP	5,757.18
	12/4/2014		49.71	NP	NP	5,756.85
	3/10/2015		49.74	NP	NP	5,756.82
	6/15/2015		49.88	NP	NP	5,756.68
	9/24/2015		50.17	NP	NP	5,756.39
	12/17/2015		50.43	NP	NP	5,756.13
	9/9/2016		51.43	NP	NP	5,755.13

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW04	9/30/2019	5,806.60**	53.66	NP	NP	5,752.94
	3/3/2020		54.17	NP	NP	5,752.43
	6/9/2020		45.36	NP	NP	5,761.24
	9/23/2020		54.98	NP	NP	5,751.62
	12/1/2020		55.09	NP	NP	5,751.51
	3/31/2021		DRY	NP	NP	DRY
	6/2/2021		DRY	NP	NP	DRY
	9/9/2021		DRY	NP	NP	DRY
	12/2/2021		DRY	NP	NP	DRY
	2/18/2022		DRY	NP	NP	DRY
	6/3/2022		DRY	NP	NP	DRY
	9/14/2022		DRY	NP	NP	DRY
	12/6/2022		54.99	NP	NP	5,751.61
MW05	1/3/2012	6,228.57	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		52.16	NP	NP	6,176.41
	6/24/2013	5,815.74*	52.12	NP	NP	5,763.62
	9/26/2013		52.23	NP	NP	5,763.51
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		52.17	NP	NP	5,763.57
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		52.20	NP	NP	5,763.54
	12/4/2014		52.20	NP	NP	5,763.54
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		52.25	NP	NP	5,763.49
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		52.20	NP	NP	5,763.54
	9/9/2016		DRY	DRY	DRY	DRY
	9/30/2019	5,815.79**	DRY	DRY	DRY	DRY
	3/3/2020		52.22	NP	NP	5,763.57
	6/9/2020		52.21	NP	NP	5,763.58
	9/23/2020		DRY	NP	NP	DRY
	12/1/2020		DRY	NP	NP	DRY
	3/31/2021		52.31	NP	NP	5,763.48

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW05	6/2/2021	5,815.79**	DRY	NP	NP	DRY
	12/2/2021		52.29	NP	NP	5,763.50
	2/18/2022		DRY	NP	NP	DRY
	6/3/2022		DRY	NP	NP	DRY
	9/14/2022		52.18	NP	NP	5,763.61
	12/6/2022		52.17	NP	NP	5,763.62
MW06	1/3/2012	6,221.28	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	3/6/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,808.50*	DRY	DRY	DRY	DRY
	9/26/2013		44.37	NP	NP	5,764.13
	12/6/2013		44.39	NP	NP	5,764.11
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		44.36	NP	NP	5,764.14
	9/9/2016		DRY	DRY	DRY	DRY
MW06R	9/30/2019	5,808.59**	55.28	NP	NP	5,753.31
	3/3/2020		51.83	NP	NP	5,756.76
	6/9/2020		56.01	NP	NP	5,752.58
	9/23/2020		56.42	NP	NP	5,752.17
	12/1/2020		56.70	NP	NP	5,751.89
	3/31/2021		57.16	NP	NP	5,751.43
	6/2/2021		57.27	NP	NP	5,751.32
	9/9/2021		57.37	NP	NP	5,751.22
	12/2/2021		57.60	NP	NP	5,750.99
	2/18/2022		57.72	NP	NP	5,750.87
	6/3/2022		57.57	NP	NP	5,751.02
	9/14/2022		57.56	NP	NP	5,751.03
	12/6/2022		56.91	NP	NP	5,751.68

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW07	1/3/2012	6,211.30	UNK	UNK	UNK	UNK
	4/2/2012		UNK	UNK	UNK	UNK
	6/13/2012		UNK	UNK	UNK	UNK
	10/2/2012		UNK	UNK	UNK	UNK
	12/6/2012		UNK	UNK	UNK	UNK
	2/28/2013		DRY	DRY	DRY	DRY
	6/24/2013	5,798.73*	DRY	DRY	DRY	DRY
	9/26/2013		DRY	DRY	DRY	DRY
	12/6/2013		DRY	DRY	DRY	DRY
	3/19/2014		DRY	DRY	DRY	DRY
	6/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	9/12/2014		DRY	DRY	DRY	DRY
	12/4/2014		DRY	DRY	DRY	DRY
	3/10/2015		DRY	DRY	DRY	DRY
	6/15/2015		DRY	DRY	DRY	DRY
	9/24/2015		DRY	DRY	DRY	DRY
	12/17/2015		DRY	DRY	DRY	DRY
	9/9/2016		DRY	DRY	DRY	DRY
MW07R	9/30/2019	5,803.01**	48.59	NP	NP	5,754.42
	3/3/2020		48.64	NP	NP	5,754.37
	6/9/2020		48.72	NP	NP	5,754.29
	9/23/2020		49.10	NP	NP	5,753.91
	12/1/2020		49.29	NP	NP	5,753.72
	3/31/2021		49.23	NP	NP	5,753.78
	6/2/2021		49.18	NP	NP	5,753.83
	9/9/2021		49.56	NP	NP	5,753.45
	12/2/2021		49.63	NP	NP	5,753.38
	2/18/2022		49.51	NP	NP	5,753.50
	6/3/2022		49.74	NP	NP	5,753.27
	9/14/2022		49.34	NP	NP	5,753.67
	12/6/2022		49.21	NP	NP	5,753.80
MW08	9/30/2019	5,812.70**	58.41	NP	NP	5,754.29
	3/3/2020		58.82	NP	NP	5,753.88
	6/9/2020		59.05	NP	NP	5,753.65
	9/23/2020		59.30	NP	NP	5,753.40
	12/1/2020		59.50	NP	NP	5,753.20

ENSOLUM

TABLE 1
GROUNDWATER ELEVATION
Florance #40
Harvest Four Corners, LLC
San Juan County, New Mexico

Well Identification	Date	Top of Casing Elevation (feet AMSL)	Depth to Groundwater (feet BTOC)	Depth to Product (feet BTOC)	Product Thickness (feet)	Groundwater Elevation (feet AMSL)
MW08	3/31/2021	5,812.70**	60.00	NP	NP	5,752.70
	6/2/2021		60.02	NP	NP	5,752.68
	9/9/2021		60.25	NP	NP	5,752.45
	12/2/2021		60.30	NP	NP	5,752.40
	2/18/2022		60.56	NP	NP	5,752.14
	6/3/2022		60.52	NP	NP	5,752.18
	9/14/2022		60.74	NP	NP	5,751.96
	12/6/2022		60.80	NP	NP	5,751.90

AMSL: above mean sea level
BTOC: below top of casing
UNK: data are not known
NP: no product
* Top of casing elevation resurveyed on 6/20/13
** Top of casing elevation resurveyed on 12/18/19
Groundwater elevation calculation in wells with product: (top of casing elevation - depth to water) + (product thickness * 0.8)

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
AMOCO	11/15/2000	**966**	64.4	**1,070**	**12,700**
	1/22/2001	**1,210**	299	**1,750**	**19,400**
	4/30/2001	**1,080**	71	**1,030**	**11,600**
	10/16/2001	**930**	13	**1,100**	**12,000**
	3/30/2002	**610**	790	**1,100**	**13,000**
	6/16/2002	**740**	ND	**3,400**	**22,000**
	12/13/2002	**570**	ND	670	**8,400**
	12/3/2003	**440**	<100	**760**	**8,600**
	3/10/2004	**200**	56	430	**7,400**
	6/27/2004	**270**	150	600	**6,600**
	9/20/2004	**210**	61	430	**3,900**
	12/6/2004	**1,000**	100	**750**	**7,800**
	3/8/2005	**330**	94	730	**5,900**
	11/30/2005	**325**	59.7	**809**	**11,400**
	7/18/2006	**375**	<20.0	**1,100**	**9,010**
	3/27/2008	**168**	<25.0	**1,800**	**10,200**
	3/27/2008	**183**	<25.0	**3,920**	**11,000**
	6/4/2008	**211**	<25.0	**1,350**	**8,170**
	9/18/2008	**169**	<50.0	**2,110**	**17,500**
	12/5/2008	**134**	<100	**1,280**	**10,900**
	3/28/2009	**130**	<100	**1760**	**15,800**
	7/8/2009	**220**	<50.0	**2,350**	**16,400**
	9/11/2009	**133**	<100	**2,880**	**20,700**
	12/20/2019	**106**	<10.0	**823**	**5,450**
	3/29/2010	**114**	<100	**1,230**	**8,840**
	6/23/2010	**116**	<25.0	**3,400**	**19,000**
	9/10/2010	**112**	<50.0	**2,980**	**22,000**
	12/4/2010	**103**	<50.0	**1,710**	**10,900**
	3/11/2011	**78.1**	23.3	**1,130**	**6,350**
	6/14/2011	**88.1**	<10	**1,980**	**14,200**
	9/12/2011	**75.6**	<1.0	670	**3,710**
	1/3/2012	**73.8**	<5.0	**732**	**3,380**
	4/2/2012	NS	NS	NS	NS
	6/13/2012	**81.8**	30.5	**966**	**4,480**
	10/2/2012	**71.6**	<5.0	**881**	**4,320**

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
AMOCO	12/6/2012	**80.4**	<5.0	**952**	**3,730**
	2/28/2013	**60**	<50	650	**4,200**
	6/24/2013	NS-BP	NS-BP	NS-BP	NS-BP
	9/26/2013	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2013	NS-BP	NS-BP	NS-BP	NS-BP
	3/19/2014	NS-BP	NS-BP	NS-BP	NS-BP
	6/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	9/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	12/4/2014	NS-BP	NS-BP	NS-BP	NS-BP
	3/10/2015	NS-BP	NS-BP	NS-BP	NS-BP
	6/15/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/24/2015	NS-BP	NS-BP	NS-BP	NS-BP
	12/17/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/30/2019	NS-BP	NS-BP	NS-BP	NS-BP
	3/3/2020	NS-BP	NS-BP	NS-BP	NS-BP
	6/9/2020	NS-BP	NS-BP	NS-BP	NS-BP
	12/1/2020	NS-BP	NS-BP	NS-BP	NS-BP
	3/31/2021	NS-BP	NS-BP	NS-BP	NS-BP
	6/2/2021	NS-BP	NS-BP	NS-BP	NS-BP
	9/9/2021	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2022	NS-BP	NS-BP	NS-BP	NS-BP
MW01	1/2/1997	**357**	**1,550**	**1,060**	**5,830**
	5/8/1997	**3,643**	**11,525**	**1,097**	**16,005**
	8/13/1997	**3,653**	**12,785**	**1,160**	**16,191**
	11/25/1997	**3,942**	**14,574**	**1,262**	**17,568**
	1/23/1998	**4,421**	**15,035**	**1,181**	**19,184**
	4/28/1998	**4,000**	**13,000**	**1,000**	**18,800**
	8/7/1998	**3,600**	**11,000**	**970**	**15,400**
	12/15/1998	**3,800**	**7,200**	670	**17,900**
	2/9/1999	**3,400**	**5,300**	**1,100**	**18,900**
	4/21/1999	**3,500**	**3,500**	**810**	**16,500**
	7/28/1999	**2,700**	**1,800**	220	**15,300**
	11/1/1999	**3,200**	**1,100**	**910**	**17,600**
	7/13/2006	**16**	6	<1.0	57
	1/3/2012	NS	NS	NS	NS

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW01	4/2/2012	NS	NS	NS	NS
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	**1,670**	<10.0	**1,300**	**995**
	2/28/2013	NS-BP	NS-BP	NS-BP	NS-BP
	6/24/2013	NS-BP	NS-BP	NS-BP	NS-BP
	9/12/2013	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2013	NS-BP	NS-BP	NS-BP	NS-BP
	3/19/2014	NS-BP	NS-BP	NS-BP	NS-BP
	6/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	9/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	12/4/2014	NS-BP	NS-BP	NS-BP	NS-BP
	3/10/2015	NS-BP	NS-BP	NS-BP	NS-BP
	6/15/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/24/2015	NS-BP	NS-BP	NS-BP	NS-BP
	12/17/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/30/2019	NS-BP	NS-BP	NS-BP	NS-BP
	3/3/2020	NS-BP	NS-BP	NS-BP	NS-BP
	6/9/2020	NS-BP	NS-BP	NS-BP	NS-BP
	12/1/2020	NS-BP	NS-BP	NS-BP	NS-BP
	3/31/2021	NS-BP	NS-BP	NS-BP	NS-BP
	6/2/2021	NS-BP	NS-BP	NS-BP	NS-BP
	9/9/2021	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2022	NS-BP	NS-BP	NS-BP	NS-BP
MW03	2/6/1997	**171.0**	735	149	**1,572**
	5/8/1997	**97**	27	115	302
	11/1/1999	**1,600**	820	640	**6,400**
	7/13/2006	**57**	6.3	<1.0	8
	1/3/2012	NS	NS	NS	NS
	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-IW	NS-IW	NS-IW	NS-IW

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW03	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	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
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW03R*	9/30/2019	**15**	<5.0	250	58
	3/3/2020	**8.2**	<5.0	92	23
	6/9/2020	3.9	<1.0	71	7.8
	9/23/2020	<1.0	<1.0	<1.0	<1.5
	12/1/2020	<1.0	<1.0	14	1.6
	3/31/2021	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<2.0	<2.0	<2.0	<4.0
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	<1.0	<1.5
	2/18/2022	<1.0	<1.0	1.8	3.1
	6/3/2022	<1.0	<1.0	<1.0	<2.0
	9/14/2022	<2.0	<2.0	<2.0	<3.0
	12/6/2022	<2.0	<2.0	13	<3.0
MW04	5/8/1997	<0.2	0.3	<0.2	0.5
	8/13/1997	<1.0	<1.0	<1.0	<1.0
	11/25/1997	<0.2	<0.2	<0.2	<0.4
	1/23/1998	<0.2	<0.2	<0.2	<0.4
	11/15/2000	<1.0	<1.0	<1.0	<1.0
	1/22/2001	**15.1**	46.1	14.7	306
	4/30/2001	**103**	3.85	2.38	42.5
	10/16/2001	<2.0	<2.0	<2.0	<2.0
	3/30/2002	**42**	13	19	150
	6/16/2002	**56**	32	68	470

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW04	9/25/2002	**170**	85	170	**1,200**
	12/13/2002	**130**	39	180	**990**
	3/8/2005	**17**	15	170	**1,100**
	7/18/2006	**<20.0**	<20.0	230	**1,640**
	3/27/2008	<10.0	<10.0	285	**2,390**
	6/4/2008	<1.0	<10.0	232	**1,830**
	9/18/2008	<5.0	16.1	218	**1,640**
	12/5/2008	<5.0	<5.0	55.6	410
	3/28/2009	<5.0	<5.0	111	**732**
	7/8/2009	6.1	<5.0	91.2	587
	9/11/2009	<1.0	<1.0	39.9	199
	12/20/2009	<1.0	<1.0	28.1	145
	3/29/2010	<5.0	7.1	65.5	360
	6/23/2010	<5.0	<5.0	70.1	439
	9/10/2010	<1.0	<1.0	11.8	110
	12/4/2010	<5.0	<5.0	15.8	152
	3/11/2011	<5.0	<5.0	18.1	167
	6/14/2011	<1.0	<1.0	4.9	33.3
	9/12/2011	<1.0	<1.0	<1.0	7.9
	1/3/2012	<1.0	<1.0	<1.0	3.6
	4/2/2012	NS	NS	NS	NS
	6/13/2012	<1.0	<1.0	<1.0	<3.0
	10/2/2012	<5.0	<5.0	<5.0	<15.0
	12/6/2012	<1.0	<1.0	<1.0	<3.0
	2/28/2013	NSP	NSP	NSP	NSP
	6/24/2013	NSP	NSP	NSP	NSP
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2013	NSP	NSP	NSP	NSP
	3/19/2014	<1.0	<1.0	3.9	12
	6/12/2014	<2.0	<2.0	<2.0	7.2
	9/12/2014	<1.0	<1.0	<1.0	5.7
	12/4/2014	<2.0	<2.0	<2.0	5.2
	3/10/2015	<2.0	<2.0	<2.0	<4.0
	6/15/2015	<1.0	<1.0	<1.0	<2.0
	9/24/2015	<1.0	<1.0	<1.0	<1.5

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW04	12/17/2015	<1.0	<1.0	<1.0	<2.0
	9/30/2019	<1.0	<1.0	<1.0	<2.0
	3/3/2020	NS	NS	NS	NS
	6/9/2020	NS	NS	NS	NS
	12/1/2020	NS-IW	NS-IW	NS-IW	NS-IW
	3/31/2021	NS-IW	NS-IW	NS-IW	NS-IW
	6/2/2021	NS-IW	NS-IW	NS-IW	NS-IW
	9/9/2021	NS-IW	NS-IW	NS-IW	NS-IW
	12/2/2021	NS-IW	NS-IW	NS-IW	NS-IW
	2/18/2022	NS-IW	NS-IW	NS-IW	NS-IW
	6/3/2022	NS-IW	NS-IW	NS-IW	NS-IW
	9/14/2022	NS-IW	NS-IW	NS-IW	NS-IW
	12/6/2022	NS-IW	NS-IW	NS-IW	NS-IW
MW05	5/8/1997	<2.0	0.3	<0.2	0.4
	8/13/1997	**3,683**	**12,739**	**1,143**	**16,086**
	11/25/1997	<0.2	<0.2	<0.2	<0.4
	1/23/1998	**4,299**	**14,477**	**1,120**	**18,281**
	2/9/1999	**3,500**	**5,100**	100	**17,700**
	4/21/1999	**3,300**	**3,400**	**790**	**16,400**
	3/21/2000	**730**	220	**1,200**	**11,600**
	6/14/2000	**800**	**33**	**980**	**5,890**
	11/15/2000	**953**	65	**1,600**	**8,010**
	1/22/2001	**818**	<1	**1,390**	**7,530**
	4/30/2001	**873**	124	**1,450**	**4,320**
	10/16/2001	**770**	73	**1,300**	**8,000**
	3/30/2002	**350**	12	540	440
	6/16/2002	**300**	ND	290	110
	9/25/2002	**250**	15	110	330
	12/13/2002	**100**	ND	48	150
	7/13/2006	**22**	8	<1.0	45
	1/3/2012	<1.0	<1.0	<1.0	3.6
	4/2/2012	NS	NS	NS	NS
	6/13/2012	<1.0	<1.0	<1.0	<3.0
	10/2/2012	<5.0	<5.0	<5.0	<15.0

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW05	12/6/2012	<1.0	<1.0	<1.0	<3.0
	2/28/2013	NS-BP	NS-BP	NS-BP	NS-BP
	6/24/2013	NS-BP	NS-BP	NS-BP	NS-BP
	9/26/2013	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2013	NS-BP	NS-BP	NS-BP	NS-BP
	3/19/2014	NS-BP	NS-BP	NS-BP	NS-BP
	6/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	6/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	9/12/2014	NS-BP	NS-BP	NS-BP	NS-BP
	12/4/2014	NS-BP	NS-BP	NS-BP	NS-BP
	3/10/2015	NS-BP	NS-BP	NS-BP	NS-BP
	6/15/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/24/2015	NS-BP	NS-BP	NS-BP	NS-BP
	12/17/2015	NS-BP	NS-BP	NS-BP	NS-BP
	9/30/2019	NS-BP	NS-BP	NS-BP	NS-BP
	3/3/2020	NS-BP	NS-BP	NS-BP	NS-BP
	6/9/2020	NS-BP	NS-BP	NS-BP	NS-BP
	12/1/2020	NS-BP	NS-BP	NS-BP	NS-BP
	3/31/2021	NS-BP	NS-BP	NS-BP	NS-BP
	6/2/2021	NS-BP	NS-BP	NS-BP	NS-BP
	9/9/2021	NS-BP	NS-BP	NS-BP	NS-BP
	12/6/2022	NS-BP	NS-BP	NS-BP	NS-BP
MW06	3/21/2000	**4,200**	**12,000**	**1,300**	**15,200**
	6/14/2000	**4,400**	**11,000**	**1,200**	**15,200**
	7/13/2006	**795**	**1,480**	285	**2,450**
	3/27/2008	**3,670**	**2,150**	**1,210**	**14,300**
	6/4/2008	**2,380**	**1,370**	580	**11,900**
	9/18/2008	**3,600**	278	**1,290**	**18,100**
	12/5/2008	**1,580**	85.3	**828**	**10,100**
	3/28/2009	**1,790**	95	**886**	**15,300**
	9/11/2009	**1,200**	95	523	**3,580**
	6/23/2010	**815**	75.3	32.3	**3,090**
	9/10/2010	**674**	129	28.7	**4,010**
	1/3/2012	NS	NS	NS	NS

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW06	4/2/2012	**86.7**	28	**799**	**4,240**
	6/13/2012	NS	NS	NS	NS
	10/2/2012	NS	NS	NS	NS
	12/6/2012	NS	NS	NS	NS
	3/6/2013	NS-IW	NS-IW	NS-IW	NS-IW
	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW
	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
	6/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW06R*	9/30/2019	**15**	<1.0	7.1	42
	3/3/2020	4.7	<1.0	1.4	<2.0
	6/9/2020	1.9	<1.0	<1.0	<2.0
	9/23/2020	3.7	<1.0	2.7	<3.0
	12/1/2020	**5.4**	<1.0	9.6	<1.5
	3/31/2021	2.3	<1.0	5.8	4.8
	6/2/2021	3.8	<1.0	7.0	11
	9/9/2021	2.6	<1.0	4.9	5.9
	12/2/2021	3.9	<2.0	25	4.4
	2/18/2022	2.1	<1.0	9.1	2.6
	6/3/2022	**5.3**	1.4	19	<2.0
	9/14/2022	<1.0	<1.0	27	1.6
	12/6/2022	3.4	<2.0	17	<3.0
MW07	3/21/2000	<0.5	<0.5	<0.5	5.9
	6/14/2000	<0.5	<0.5	<0.5	<1.5
	11/15/2000	<1.0	<1.0	<1.0	<1.0
	1/22/2001	<1.0	5.79	1.51	42.4

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW07	4/30/2001	<1.0	<1.0	<1.0	<1.0
	10/16/2001	<1.0	<2.0	<2.0	3.2
	12/3/2003	<2.0	<2.0	<2.0	<5.0
	3/10/2004	ND	ND	ND	ND
	6/27/2004	ND	ND	ND	ND
	9/20/2004	ND	ND	ND	ND
	12/6/2004	<2.0	<2.0	<2.0	<5.0
	3/8/2005	<2.0	<2.0	<2.0	5.7
	6/19/2005	<2.0	<2.0	<2.0	<5.0
	9/15/2005	<2.0	<2.0	<2.0	<5.0
	11/30/2005	<2.0	<2.0	<2.0	<5.0
	7/13/2006	<1.0	<1.0	<1.0	<3.0
	3/27/2008	<1.0	<1.0	<1.0	<3.0
	6/4/2008	<1.0	<1.0	<1.0	<3.0
	9/18/2008	<1.0	<1.0	<1.0	<3.0
	12/5/2008	<1.0	<1.0	<1.0	<3.0
	3/28/2009	<1.0	<1.0	<1.0	<3.0
	7/8/2009	<1.0	<1.0	<1.0	<3.0
	9/11/2009	<1.0	<1.0	<1.0	<3.0
	12/20/2009	<1.0	<1.0	<1.0	<3.0
	3/29/2010	<5.0	<5.0	<5.0	<15.0
	6/23/2010	<1.0	<1.0	<1.0	<3.0
	9/10/2010	<1.0	<1.0	<1.0	<3.0
	12/4/2010	<1.0	<1.0	<1.0	<3.0
	3/11/2011	<1.0	<1.0	<1.0	<3.0
	6/14/2011	<1.0	<1.0	<1.0	<3.0
	9/12/2011	<1.0	<1.0	<1.0	<3.0
	1/3/2012	<1.0	<1.0	<1.0	<3.0
	4/2/2012	<1.0	<1.0	<1.0	<3.0
	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-IW	NS-IW	NS-IW	NS-IW
	6/24/2013	NS-IW	NS-IW	NS-IW	NS-IW
	9/26/2013	NS-IW	NS-IW	NS-IW	NS-IW

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		5	1,000	700	620
MW07	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
	9/12/2014	NS-IW	NS-IW	NS-IW	NS-IW
	12/4/2014	NS-IW	NS-IW	NS-IW	NS-IW
	3/10/2015	NS-IW	NS-IW	NS-IW	NS-IW
	6/15/2015	NS-IW	NS-IW	NS-IW	NS-IW
	9/24/2015	NS-IW	NS-IW	NS-IW	NS-IW
	12/17/2015	NS-IW	NS-IW	NS-IW	NS-IW
MW07R*	9/30/2019	**6.7**	<1.0	78	200
	3/3/2020	1.1	<1.0	1.1	2.3
	6/9/2020	2.1	<1.0	5.1	18
	9/23/2020	1.1	<1.0	<1.0	6.4
	12/1/2020	1.9	<1.0	3.1	15
	3/31/2021	<1.0	<1.0	1.8	8.7
	6/2/2021	1.0	<1.0	<1.0	4.8
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	1.1	4.7
	2/18/2022	<1.0	<1.0	1.5	6.0
	6/3/2022	<1.0	<1.0	<1.0	3.8
	9/14/2022	<1.0	<1.0	<1.0	2.1
	12/6/2022	<2.0	<2.0	2.3	8.5
MW08	9/30/2019	<1.0	<1.0	<1.0	<2.0
	3/3/2020	<1.0	<1.0	<1.0	<2.0
	6/9/2020	<1.0	<1.0	<1.0	<2.0
	9/23/2020	<1.0	<1.0	<1.0	<1.5
	12/1/2020	<1.0	<1.0	<1.0	<1.5
	3/31/2021	<1.0	<1.0	<1.0	<1.5
	6/2/2021	<1.0	<1.0	<1.0	<2.0
	9/9/2021	<1.0	<1.0	<1.0	<2.0
	12/2/2021	<1.0	<1.0	<1.0	<1.5
	2/18/2022	<1.0	<1.0	<1.0	<1.5
	6/3/2022	<1.0	<1.0	<1.0	<2.0
	9/14/2022	<1.0	<1.0	<1.0	<1.5

ENSOLUM

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
Florance #40
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 Standards		**5**	**1,000**	**700**	**620**
MW08	12/16/2022	<1.0	<1.0	<1.0	<1.5

Notes:

µg/L: micrograms per liter

< indicates result is less than laboratory reporting detection limit

NMWQCC: New Mexico Water Quality Control Commission

NS-BP: not sampled: monitoring well is BP's responsibility

NS: not sampled

NS-IW: not sampled insufficient water

NSP: not sampled due to the presence of free phase hydrocarbons in the well

** indicates well was replaced in 2019*

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

ENSOLUM

APPENDIX A

Groundwater Collection Forms

Groundwater Sample Collection Form

WSP

Project Name: Florance 40
Project Number:
Project Location:
Sampler: GP
Sample ID: MW3R
Sample Date: 2/18/22
Laboratory: HEAL
Analyses:
Matrix: GW
Sample Time: 14:07
Shipping Method: ~~Bailer~~ Hand deliver
Depth to Water: 54.09
Time:
Total Depth of Well: 55.81
Depth to Product: ND
Vol. of Water to Purge: (0.1631 • 1.72) • 3 = 0.84 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. (~~F~~) C	Conductivity (us or ~~ms~~)	Comments
1347	0.25	0.25	7.33	16.8	3.26	gray, slight HC odor
1351	0.25	0.5	7.42	16.8	2.83	SAR

Comments: well running dry after 0.5 gallons, took sample.

Describe Deviations from SOP:

Signature: Gregory Pelesh **Date:** 02/18/22

Groundwater Sample Collection Form

WSP

Project Name: Florance 40
Project Number:
Project Location:
Sampler: GP

Sample ID: MW 06R
Sample Date: 2/16/22
Laboratory: HEAL
Analyses:
Matrix: GW
Sample Time: 14:24
Shipping Method: Hand deliver

Depth to Water: 57.72
Time:
Total Depth of Well: 60.42
Depth to Product: ND

Vol. of Water to Purge: ((60.42-57.72)-0.1631) • 3 = 1.32 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. (F)	Conductivity (us or ms)	Comments
1416	0.25	0.25	6.86	17.5	3.64	light gray, no odor
1420	0.5	0.75	7.03	16.5	3.61	SAK

Comments:

Describe Deviations from SOP: well running dry after 0.75 gal

Signature: Gregory Palese
Date: 2/18/22

Groundwater Sample Collection Form

WSP

Project Name: Florance 40
Project Number:
Project Location:
Sampler: GP

Sample ID: MW07R
Sample Date: 2/16/22
Laboratory: HEAL
Analyses:
Matrix: GW
Sample Time: 12:56
Shipping Method: Hand deliver

Depth to Water: 49.51
Time:
Total Depth of Well: 55.64
Depth to Product: ND

Vol. of Water to Purge: ((55.64-49.51)*0.1631)*3) = 2.99 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. (F)C	Conductivity (us or ms)	Comments
12:38	0.25	0.25	7.16	16.7	4.44	clear, sulfur odor
1241	0.25	0.5	7.17	16.9	4.45	SAA
1244	0.5	1	7.25	16.9	4.43	clear no odor
1247	0.5	1.5	7.17	17.1	4.45	SAA
1249	0.5	2	7.23	16.8	4.43	SAA
1253	1	3	7.24	16.4	4.45	gray turbid, no odor

Comments:

Describe Deviations from SOP: None

Signature: Gregory Peters
Date: 2/16/22

Groundwater Sample Collection Form

WSP

Project Name: Florance 40
Project Number:
Project Location:
Sampler: GP

Sample ID: MW08
Sample Date: 2/15/22
Laboratory: HEAL
Analyses:
Matrix: GW
Sample Time: 13:33
Shipping Method: Hand Deliver

Depth to Water: 60.56
Time:
Total Depth of Well: 69.04
Depth to Product: ND

Vol. of Water to Purge: ((69.04 - 60.56) · 0.1631) · 3 = 4.15 gal
(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging:
Method of Sampling:

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Comments
1309	0.25	0.25	7.34	16.0	5.07	clear, no odor
1313	0.5	0.75	7.44	15.9	5.04	SAA
1316	0.5	1.25	7.50	15.9	5.04	SAA
1319	0.5	1.75	7.52	16.1	5.05	SAA
1322	0.5	2.25	7.50	16.4	5.03	SAA
1327	1	3.25	7.56	16.4	5.05	SAA
1331	1	4.25	7.57	16.1	4.99	SAA

Comments:

Describe Deviations from SOP: None

Signature: Gregory Polese
Date: 2/16/22

Groundwater Sample Collection Form

Project Name: Florance #40
Project Number:

Sample Location:

Sampler: GP

Sample Date: 6-3-2022
Sample Time: 13:25
Sample ID: MW 03R
Analyses:
Matrix:

Depth to Water: 53.74
Time:

Total Depth of Well: 55.92
Depth to Product:

Vol. of Water to Purge: 1 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Dissolved Oxygen (% or mg/L)	ORP (mV)	Comments
1322	1	1	7.46	21.12	0.05	5.33	57.0	gray, turbid, foam, odor

Comments:

Describe Deviations from SOP:

Signature: Gregory Pelusi Date: 6-3-2022

Groundwater Sample Collection Form

Project Name: Florance # 40
Project Number:
Sample Location: Sampler: GP
Sample Date: 6-3-2022
Sample Time: 13:50
Sample ID: MW 06R
Analyses:
Matrix:
Depth to Water: 57.59 Total Depth of Well: 60.49
Time: Depth to Product:
Vol. of Water to Purge: 1.4 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F) C	Conductivity (us or ms)	Dissolved Oxygen (% or mg/L)	ORP (mV)	Comments
13:45	0.5	0.5	6.82	20.85	2389.0	2.07	26.5	dark gray, turbid, swampy odor

Comments:

Describe Deviations from SOP: bailed dry at 0.5 gallons, sampled at 0.5 gallons.

Signature: Gregory Pabst Date: 6-3-2022

Groundwater Sample Collection Form

Project Name: Florance #40
Project Number:
Sample Location:
Sampler: GP
Sample Date: 6-3-22
Sample Time:
Sample ID: MW 07R 1310
Analyses:
Matrix:
Depth to Water: 49.74
Time:
Total Depth of Well: 55.73
Depth to Product:
Vol. of Water to Purge: 2.9 (height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: Dedicated PVC Bailer
Method of Sampling: Dedicated PVC Bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Dissolved Oxygen (% or mg/L)	ORP (mV)	Comments
1300	1	1	6.96	19.71	3976.4	2.62	116.0	gray, turbid, sl odor
1305	1.9	2.5	6.98	18.66	3783.3	2.12	110.5	SAA

Comments:

Describe Deviations from SOP:

Signature: Gregory Palesh Date: 6-3-2022

Groundwater Sample Collection Form

Project Name: Florance #40
Project Number:

Sample Location:

Sampler: GP

Sample Date: 6-3-2022
Sample Time: 1245
Sample ID: MW07
Analyses:
Matrix:

Depth to Water: 60.52
Time:

Total Depth of Well: 68.84
Depth to Product:

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

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

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Dissolved Oxygen (% or mg/L)	ORP (mV)	Comments
1225	1	1	7.32	19.40	4846.5	2.76	229.6	
1234	1	2	7.34	17.59	4711	3.35	179.1	
1239	2	4	7.35	16.08	2968.6	3.19	146.0	

Comments:

Describe Deviations from SOP:

Signature: Gregory Pabst Date: 6-3-2022

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: ~~TE01781210005~~ 07B2002011
Project Location: Florance #40
Sampler: Greg Palese

Sample ID: MW03R
Sample Date: 9/14/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021
Matrix: Groundwater
Sample Time: 1215
Shipping Method: Hand Delivery

Depth to Water: 51.83
Time: 11:40
Total Depth of Well: 56.03
Depth to Product: —

Vol. of Water to Purge: (56.03-51.83) • 0.1631 • 3 = 2 (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. ~~(F)~~ C	Conductivity (~~us~~ or ms)	Comments
1210	0.5	0.5	6.83	20.1	2.74	dark grey, swampy odor, turbid

Comments: bailing dry after 1 gallon

Describe Deviations from SOP: Sample collected after 1 gal bailed

Signature: Gregory Palese

Date: 9/14/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: TE0178121005

Project Location: Florance #40
Sampler: Greg Palese

Sample ID: MW04
Sample Date: 9/14/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021

Matrix: Groundwater
Sample Time: ~~~
Shipping Method: Hand Delivery

Depth to Water: ND
Time: 11:45

Total Depth of Well: 55.49
Depth to Product: ND

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

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments

Comments: No Sample, well dry

Describe Deviations from SOP:

Signature: Gregory Palese **Date:** 9/14/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: ~~TE0178121005~~ 07B2002011

Project Location: Florance #40
Sampler: Greg Palese

Sample ID: MW06R
Sample Date: 9/14/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021

Matrix: Groundwater
Sample Time: 1318
Shipping Method: Hand Delivery

Depth to Water: 57.56
Time: 11:20

Total Depth of Well: 60.52
Depth to Product: —

Vol. of Water to Purge: (57.56 - 60.52) * 0.1631 * 3 = 1.5
(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols
Method of Purging: bailer
Method of Sampling: bailer

Time	Vol. Removed	Total Vol. Removed (gallons)	pH (std. units)	Temp. (F)	Conductivity (us or ms)	Comments
1315	0.5	0.5	6.32	20.7	2.95	Almost clear no odor

Comments: Sample collected after 0.5 gal bailed. Sample grey, slight swampy odor

Describe Deviations from SOP: Sampled after 0.5 gallons bailed

Signature: Gregory Palese **Date:** 9/14/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: ~~[illegible]~~ 07B2002011

Project Location: Florance #40
Sampler: Greg Palese

Sample ID: MW07R
Sample Date: 9/14/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021

Matrix: Groundwater
Sample Time: 12.38
Shipping Method: Hand Delivery

Depth to Water: 49.34
Time: 11:35

Total Depth of Well: 55.86
Depth to Product: —

Vol. of Water to Purge: (55.86 - 49.34) · 0.1631 · 3 = 3.2 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. ~~(F)~~ C	Conductivity (us or ~~ms~~)	Comments
1223	0.5	0.5	6.63	19.8	4.16	mostly clear no odor
1226	0.5	1	6.57	19.4	4.23	mostly clear, slight swamp odor
1230	1	2	6.61	18.4	4.29	SAA
1234	1	3	6.61	19.2	4.23	SAA

Comments: Mostly clear, slight odor throughout

Describe Deviations from SOP: None

Signature: Gregory Palese Date: 9/14/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: ~~TE0178121005~~ 07B2002011

Project Location: Florance #40
Sampler: Greg Palese

Sample ID: MW08
Sample Date: 9/14/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021

Matrix: Groundwater
Sample Time: 1305
Shipping Method: Hand Delivery

Depth to Water: 60.74
Time: 11:30

Total Depth of Well: 68.87
Depth to Product:

Vol. of Water to Purge: (68.87 - 60.74) · 0.1631 · 3 = 4
(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. ~~(F)~~ C	Conductivity (us or ms)	Comments
1244	0.5	0.5	6.81	20.1	4.60	Mostly clear no odor
1247	0.5	1	6.98	17.9	4.74	SAA
1252	1	2	6.95	18.8	4.73	SAA
1256	1	3	6.99	18.6	4.05	SAA
1300	1	4	6.95	17.9	4.80	SAA

Comments: Water mostly clear throughout

Describe Deviations from SOP: None

Signature: Gregory Palese Date: 9/14/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002011
Project Location: Florance #40
Sampler: RH

Sample ID: MW03R
Sample Date: 12/6/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021
Matrix: Groundwater
Sample Time: 1140
Shipping Method: Hand Delivery

Depth to Water: 47.85
Time:
Total Depth of Well: 56.03
Depth to Product: —

Vol. of Water to Purge: 4 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)	Conductivity (us or ms)	Comments
1125	1	1	7.39	18.02	1894	Slt. silty gray slt swampy odor
1130	1	2	7.34	18.33	1962	SAA
1134	1	3	7.33	18.30	1875	very silty gray swampy odor
1138	~~0.75~~	~~3.75~~	7.37	17.90	1850	SAA

Comments: Well began going dry after baling 3.75 gal, sample taken. Sample very silty, dark gray

Describe Deviations from SOP:

Signature: [signature] Date: 12/6/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002011
Project Location: Florance #40
Sampler: CH

Sample ID: MW06R
Sample Date: 12/6/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021
Matrix: Groundwater
Sample Time: 1110
Shipping Method: Hand Delivery

Depth to Water: 56.91
Time:
Total Depth of Well: 60.52
Depth to Product: —

Vol. of Water to Purge: 1.77 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	Conductivity (us or ms)	Comments
	0.25	0.25	7.23	21.91	2183	Silty gray. swampy odor
	0.5	0.75	7.26	21.88	1900.9	more silty gray swampy odor
	~~0.5~~	~~1.25~~				
	~~0.5~~	~~1.75~~				

Comments: Well began going dry after bailing ~ 0.75 gal, sample taken, sample very silty, dark gray

Describe Deviations from SOP:

Signature: [signature] Date: 12/6/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002011
Project Location: Florance #40
Sampler: RH

Sample ID: MW07R
Sample Date: 12/6/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021
Matrix: Groundwater
Sample Time: 1220
Shipping Method: Hand Delivery

Depth to Water: 49.21
Time:
Total Depth of Well: 55.86
Depth to Product: —

Vol. of Water to Purge: 3.25 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. (F)	Conductivity (us or ms)	Comments
1209	0.75	0.75	6.98	16.71	2945	clear, slt odor
1211	0.75	1.5	6.98	16.92	2950	slt. silty gray, slt odor
1214	0.75	2.25	6.98	16.95	2944	silty gray, slt odor
1217	1	3.25	7.02	16.70	2947	SAA

Comments: —

Describe Deviations from SOP: —

Signature: RH Date: 12/6/22

Groundwater Sample Collection Form

Project Name: Quarterly Groundwater Monitoring
Project Number: 07B2002011
Project Location: Florance #40
Sampler: RH

Sample ID: MW08
Sample Date: 12/6/2022
Laboratory: Hall Environmental
Analyses: BTEX 8021
Matrix: Groundwater
Sample Time: 1300
Shipping Method: Hand Delivery

Depth to Water: 60.80
Time:
Total Depth of Well: 68.87
Depth to Product: —

Vol. of Water to Purge: 3.95 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)	Conductivity (us or ms)	Comments
1242	1	1	7.31	16.16	3293	mostly clear, no odor
1248	1	2	7.33	16.28	3280	SAA
1253	1	3	7.31	16.34	3287	SAA
1257	1	4	7.34	16.13	3284	SAA

Comments: —

Describe Deviations from SOP: —

Signature: RH
Date: 12/6/22

ENSOLUM

APPENDIX B

Laboratory Analytical Reports

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

February 28, 2022

Brooke Herb

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

RE: Florance 40 OrderNo.: 2202949

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2202949**
Date Reported: **2/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW03R
Project: Florance 40 **Collection Date:** 2/18/2022 2:07:00 PM
Lab ID: 2202949-001 **Matrix:** GROUNDWA **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	2/24/2022 7:07:00 PM	SL86064
Toluene	ND	1.0		µg/L	1	2/24/2022 7:07:00 PM	SL86064
Ethylbenzene	1.8	1.0		µg/L	1	2/24/2022 7:07:00 PM	SL86064
Xylenes, Total	3.1	1.5		µg/L	1	2/24/2022 7:07:00 PM	SL86064
Surr: 1,2-Dichloroethane-d4	96.8	70-130		%Rec	1	2/24/2022 7:07:00 PM	SL86064
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/24/2022 7:07:00 PM	SL86064
Surr: Dibromofluoromethane	98.3	70-130		%Rec	1	2/24/2022 7:07:00 PM	SL86064
Surr: Toluene-d8	102	70-130		%Rec	1	2/24/2022 7:07:00 PM	SL86064

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

Qualifiers:

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

Analytical Report
Lab Order **2202949**
Date Reported: **2/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW06R
Project: Florance 40 **Collection Date:** 2/18/2022 2:24:00 PM
Lab ID: 2202949-002 **Matrix:** GROUNDWA **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	2.1	1.0		µg/L	1	2/24/2022 7:31:00 PM	SL86064
Toluene	ND	1.0		µg/L	1	2/24/2022 7:31:00 PM	SL86064
Ethylbenzene	9.1	1.0		µg/L	1	2/24/2022 7:31:00 PM	SL86064
Xylenes, Total	2.6	1.5		µg/L	1	2/24/2022 7:31:00 PM	SL86064
Surr: 1,2-Dichloroethane-d4	93.4	70-130		%Rec	1	2/24/2022 7:31:00 PM	SL86064
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	2/24/2022 7:31:00 PM	SL86064
Surr: Dibromofluoromethane	95.3	70-130		%Rec	1	2/24/2022 7:31:00 PM	SL86064
Surr: Toluene-d8	117	70-130		%Rec	1	2/24/2022 7:31:00 PM	SL86064

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

Qualifiers:

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

Analytical Report
Lab Order **2202949**
Date Reported: **2/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW07R
Project: Florance 40 **Collection Date:** 2/18/2022 2:56:00 PM
Lab ID: 2202949-003 **Matrix:** GROUNDWA **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	2/24/2022 7:54:00 PM	SL86064
Toluene	ND	1.0		µg/L	1	2/24/2022 7:54:00 PM	SL86064
Ethylbenzene	1.5	1.0		µg/L	1	2/24/2022 7:54:00 PM	SL86064
Xylenes, Total	6.0	1.5		µg/L	1	2/24/2022 7:54:00 PM	SL86064
Surr: 1,2-Dichloroethane-d4	96.5	70-130		%Rec	1	2/24/2022 7:54:00 PM	SL86064
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	2/24/2022 7:54:00 PM	SL86064
Surr: Dibromofluoromethane	96.5	70-130		%Rec	1	2/24/2022 7:54:00 PM	SL86064
Surr: Toluene-d8	99.0	70-130		%Rec	1	2/24/2022 7:54:00 PM	SL86064

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

Qualifiers:

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

Analytical Report
Lab Order **2202949**
Date Reported: **2/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW08
Project: Florance 40 **Collection Date:** 2/18/2022 1:33:00 PM
Lab ID: 2202949-004 **Matrix:** GROUNDWA **Received Date:** 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	2/24/2022 8:18:00 PM	SL86064
Toluene	ND	1.0		µg/L	1	2/24/2022 8:18:00 PM	SL86064
Ethylbenzene	ND	1.0		µg/L	1	2/24/2022 8:18:00 PM	SL86064
Xylenes, Total	ND	1.5		µg/L	1	2/24/2022 8:18:00 PM	SL86064
Surr: 1,2-Dichloroethane-d4	98.3	70-130		%Rec	1	2/24/2022 8:18:00 PM	SL86064
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	2/24/2022 8:18:00 PM	SL86064
Surr: Dibromofluoromethane	101	70-130		%Rec	1	2/24/2022 8:18:00 PM	SL86064
Surr: Toluene-d8	94.6	70-130		%Rec	1	2/24/2022 8:18:00 PM	SL86064

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2202949**

28-Feb-22

Client: Harvest

Project: Florance 40

Sample ID: **100ng lcs** SampType: **LCS** TestCode: **EPA Method 8260: Volatiles Short List**

Client ID: **LCSW** Batch ID: **SL86064** RunNo: **86064**

Prep Date: Analysis Date: **2/24/2022** SeqNo: **3032299** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	112	70	130			
Toluene	21	1.0	20.00	0	107	70	130			
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.1	70	130			
Surr: Dibromofluoromethane	11		10.00		107	70	130			
Surr: Toluene-d8	9.8		10.00		97.6	70	130			

Sample ID: **MB** SampType: **MBLK** TestCode: **EPA Method 8260: Volatiles Short List**

Client ID: **PBW** Batch ID: **SL86064** RunNo: **86064**

Prep Date: Analysis Date: **2/24/2022** SeqNo: **3032300** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130			
Surr: Dibromofluoromethane	11		10.00		106	70	130			
Surr: Toluene-d8	9.6		10.00		96.5	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2202949 | RcptNo: 1

Received By: Juan Rojas 2/19/2022 8:20:00 AM

Completed By: Sean Livingston 2/21/2022 8:13:35 AM

Reviewed By: 2-21-22

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: 2/21/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.6	Good				

Chain-of-Custody Record

Client: Harvest

Monica Smith

Mailing Address: 1755 Arroyo Dr.

Bloomfield, NM 87413

Phone #:

email or Fax#: msmith@harvestmidstream.com

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Florance 40

Project #:

Project Manager: Brooke Herb

Sampler: Greg Pulese

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 2.7+0.1=2.6 (°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. 2202949	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)
2/18	14:07	GW	MW03R	3 voas	cool	001	X									
2/18	14:24	GW	MW06R			002	X									
2/18	12:56	GW	MW07R			003	X									
2/18	13:33	GW	MW08			004	X									

Date	Time	Relinquished by	Received by	Via	Date	Time
2/18/22	1525	Gregory Pulese				
2/18/22	1754			courier	2/19/22	8:20

Remarks:

cc: Brooke.herb@wsp.com

cc: gregory.pulese@wsp.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.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

June 14, 2022

Brooke Herb

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

RE: Florance 40 OrderNo.: 2206257

Dear Brooke Herb:

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2206257**
Date Reported: **6/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW08
Project: Florance 40 **Collection Date:** 6/3/2022 12:45:00 PM
Lab ID: 2206257-001 **Matrix:** GROUNDWA **Received Date:** 6/4/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/8/2022 9:19:12 AM	B88560
Toluene	ND	1.0		µg/L	1	6/8/2022 9:19:12 AM	B88560
Ethylbenzene	ND	1.0		µg/L	1	6/8/2022 9:19:12 AM	B88560
Xylenes, Total	ND	2.0		µg/L	1	6/8/2022 9:19:12 AM	B88560
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	6/8/2022 9:19:12 AM	B88560

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

Qualifiers:

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

Analytical Report
Lab Order **2206257**
Date Reported: **6/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW07R
Project: Florance 40 **Collection Date:** 6/3/2022 1:10:00 PM
Lab ID: 2206257-002 **Matrix:** GROUNDWA **Received Date:** 6/4/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/8/2022 9:42:40 AM	B88560
Toluene	ND	1.0		µg/L	1	6/8/2022 9:42:40 AM	B88560
Ethylbenzene	ND	1.0		µg/L	1	6/8/2022 9:42:40 AM	B88560
Xylenes, Total	3.8	2.0		µg/L	1	6/8/2022 9:42:40 AM	B88560
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	6/8/2022 9:42:40 AM	B88560

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

Qualifiers:

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

Analytical Report
Lab Order **2206257**
Date Reported: **6/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW03R
Project: Florance 40 **Collection Date:** 6/3/2022 1:25:00 PM
Lab ID: 2206257-003 **Matrix:** GROUNDWA **Received Date:** 6/4/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	6/8/2022 10:06:05 AM	B88560
Toluene	ND	1.0		µg/L	1	6/8/2022 10:06:05 AM	B88560
Ethylbenzene	ND	1.0		µg/L	1	6/8/2022 10:06:05 AM	B88560
Xylenes, Total	ND	2.0		µg/L	1	6/8/2022 10:06:05 AM	B88560
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	6/8/2022 10:06:05 AM	B88560

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

Qualifiers:

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

Analytical Report
Lab Order **2206257**
Date Reported: **6/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW06R
Project: Florance 40 **Collection Date:** 6/3/2022 1:50:00 PM
Lab ID: 2206257-004 **Matrix:** GROUNDWA **Received Date:** 6/4/2022 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	5.3	1.0		µg/L	1	6/8/2022 10:29:31 AM	B88560
Toluene	1.4	1.0		µg/L	1	6/8/2022 10:29:31 AM	B88560
Ethylbenzene	19	1.0		µg/L	1	6/8/2022 10:29:31 AM	B88560
Xylenes, Total	ND	2.0		µg/L	1	6/8/2022 10:29:31 AM	B88560
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	6/8/2022 10:29:31 AM	B88560

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206257**

14-Jun-22

Client: Harvest

Project: Florance 40

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **B88560**	RunNo: **88560**
Prep Date:	Analysis Date: **6/8/2022**	SeqNo: **3143808** 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	80	120			
Toluene	19	1.0	20.00	0	94.4	80	120			
Ethylbenzene	19	1.0	20.00	0	94.0	80	120			
Xylenes, Total	57	2.0	60.00	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		96.5	70	130			

Sample ID: **2206257-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW08**	Batch ID: **B88560**	RunNo: **88560**
Prep Date:	Analysis Date: **6/8/2022**	SeqNo: **3143810** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	18	1.0	20.00	0	91.6	80	120			
Toluene	19	1.0	20.00	0	95.0	80	120			
Ethylbenzene	19	1.0	20.00	0	93.8	80	120			
Xylenes, Total	56	2.0	60.00	0	94.2	80	120			
Surr: 4-Bromofluorobenzene	19		20.00		94.0	70	130			

Sample ID: **2206257-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW08**	Batch ID: **B88560**	RunNo: **88560**
Prep Date:	Analysis Date: **6/8/2022**	SeqNo: **3143811** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	17	1.0	20.00	0	87.3	80	120	4.77	20	
Toluene	18	1.0	20.00	0	91.0	80	120	4.28	20	
Ethylbenzene	18	1.0	20.00	0	91.3	80	120	2.70	20	
Xylenes, Total	56	2.0	60.00	0	92.6	80	120	1.70	20	
Surr: 4-Bromofluorobenzene	19		20.00		94.5	70	130	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **B88560**	RunNo: **88560**
Prep Date:	Analysis Date: **6/8/2022**	SeqNo: **3143815** 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	18		20.00		91.5	70	130			

Qualifiers:

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

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: **2206257** RcptNo: **1**

Received By: **Tracy Casarrubias** **6/4/2022 9:55:00 AM**

Completed By: **Cheyenne Cason** **6/6/2022 8:15:22 AM**

Reviewed By: 6-6-22

Chain of Custody

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

Log In

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

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)
Adjusted? _____
Checked by: CMC 6/6/22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Not Present			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: Harvest Four Corners
Oakley Hayes

Mailing Address:

Phone #:

email or Fax#: oakley.hayes@harvestmidstream

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☒ EDD (Type) PDF

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Florance 40

Project #:

Project Manager: Brooke Herb

Sampler: Greg Palese
On Ice: ☒ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): ~~2.7 - 0 = 2.7~~ (°C) 5.4 - 0 = 5.4 TMC 6/14/22

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2206257	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)
6-3	12:45	GW	MW 08	3 voa	HCl	001	X									
	1310		MW 07R			002	X									
	1325		MW 03R			003	X									
	1350		MW 06R			004	X									

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6-3	1600	Greg Palese				
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					6/14/22	9:55

Remarks:
CC Results: bherb@ensolum.com
gpalese@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.

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

September 19, 2022

Brooke Herb

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

RE: Florance 40 OrderNo.: 2209745

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/15/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order: **2209745**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Lab Order:** 2209745
Project: Florance 40

Lab ID: 2209745-001 **Collection Date:** 9/14/2022 12:15:00 PM
Client Sample ID: MW03R **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	ND	2.0	D	µg/L	2	9/16/2022 1:38:49 PM	B91114
Toluene	ND	2.0	D	µg/L	2	9/16/2022 1:38:49 PM	B91114
Ethylbenzene	ND	2.0	D	µg/L	2	9/16/2022 1:38:49 PM	B91114
Xylenes, Total	ND	3.0	D	µg/L	2	9/16/2022 1:38:49 PM	B91114
Surr: 1,2-Dichloroethane-d4	111	70-130	D	%Rec	2	9/16/2022 1:38:49 PM	B91114
Surr: 4-Bromofluorobenzene	119	70-130	D	%Rec	2	9/16/2022 1:38:49 PM	B91114
Surr: Dibromofluoromethane	109	70-130	D	%Rec	2	9/16/2022 1:38:49 PM	B91114
Surr: Toluene-d8	98.2	70-130	D	%Rec	2	9/16/2022 1:38:49 PM	B91114

Lab ID: 2209745-002 **Collection Date:** 9/14/2022 1:18:00 PM
Client Sample ID: MW06R **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	ND	1.0		µg/L	1	9/16/2022 2:05:52 PM	B91114
Toluene	ND	1.0		µg/L	1	9/16/2022 2:05:52 PM	B91114
Ethylbenzene	27	1.0		µg/L	1	9/16/2022 2:05:52 PM	B91114
Xylenes, Total	1.6	1.5		µg/L	1	9/16/2022 2:05:52 PM	B91114
Surr: 1,2-Dichloroethane-d4	97.2	70-130		%Rec	1	9/16/2022 2:05:52 PM	B91114
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	9/16/2022 2:05:52 PM	B91114
Surr: Dibromofluoromethane	101	70-130		%Rec	1	9/16/2022 2:05:52 PM	B91114
Surr: Toluene-d8	101	70-130		%Rec	1	9/16/2022 2:05:52 PM	B91114

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

Qualifiers:

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

Analytical Report
Lab Order: **2209745**
Date Reported: **9/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Lab Order:** 2209745
Project: Florance 40

Lab ID: 2209745-003 **Collection Date:** 9/14/2022 12:38:00 PM
Client Sample ID: MW07R **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	ND	1.0		µg/L	1	9/16/2022 2:32:57 PM	B91114
Toluene	ND	1.0		µg/L	1	9/16/2022 2:32:57 PM	B91114
Ethylbenzene	ND	1.0		µg/L	1	9/16/2022 2:32:57 PM	B91114
Xylenes, Total	2.1	1.5		µg/L	1	9/16/2022 2:32:57 PM	B91114
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	9/16/2022 2:32:57 PM	B91114
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	9/16/2022 2:32:57 PM	B91114
Surr: Dibromofluoromethane	103	70-130		%Rec	1	9/16/2022 2:32:57 PM	B91114
Surr: Toluene-d8	102	70-130		%Rec	1	9/16/2022 2:32:57 PM	B91114

Lab ID: 2209745-004 **Collection Date:** 9/14/2022 1:05:00 PM
Client Sample ID: MW08 **Matrix:** GROUNDWATER

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **BRM**	
Benzene	ND	1.0		µg/L	1	9/16/2022 3:00:04 PM	B91114
Toluene	ND	1.0		µg/L	1	9/16/2022 3:00:04 PM	B91114
Ethylbenzene	ND	1.0		µg/L	1	9/16/2022 3:00:04 PM	B91114
Xylenes, Total	ND	1.5		µg/L	1	9/16/2022 3:00:04 PM	B91114
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	9/16/2022 3:00:04 PM	B91114
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	9/16/2022 3:00:04 PM	B91114
Surr: Dibromofluoromethane	108	70-130		%Rec	1	9/16/2022 3:00:04 PM	B91114
Surr: Toluene-d8	99.5	70-130		%Rec	1	9/16/2022 3:00:04 PM	B91114

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209745**

19-Sep-22

Client: Harvest

Project: Florance 40

Sample ID: **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **B91114**	RunNo: **91114**
Prep Date:	Analysis Date: **9/16/2022**	SeqNo: **3259539** 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			
Surr: 1,2-Dichloroethane-d4	10		10.00		105	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.2	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.5		10.00		94.7	70	130			

Sample ID: **2209745-002a ms**	SampType: **MS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW06R**	Batch ID: **B91114**	RunNo: **91114**
Prep Date:	Analysis Date: **9/16/2022**	SeqNo: **3259542** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	26	1.0	20.00	0	132	70	130			S
Toluene	20	1.0	20.00	0	98.9	70	130			
Surr: 1,2-Dichloroethane-d4	11		10.00		107	70	130			
Surr: 4-Bromofluorobenzene	11		10.00		114	70	130			
Surr: Dibromofluoromethane	10		10.00		105	70	130			
Surr: Toluene-d8	9.8		10.00		98.1	70	130			

Sample ID: **2209745-002a msd**	SampType: **MSD**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **MW06R**	Batch ID: **B91114**	RunNo: **91114**
Prep Date:	Analysis Date: **9/16/2022**	SeqNo: **3259543** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	25	1.0	20.00	0	125	70	130	5.91	20	
Toluene	19	1.0	20.00	0	93.1	70	130	6.02	20	
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.1	70	130	0	0	
Surr: 4-Bromofluorobenzene	11		10.00		112	70	130	0	0	
Surr: Dibromofluoromethane	9.8		10.00		98.3	70	130	0	0	
Surr: Toluene-d8	9.4		10.00		93.5	70	130	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **B91114**	RunNo: **91114**
Prep Date:	Analysis Date: **9/16/2022**	SeqNo: **3259546** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209745**

19-Sep-22

Client: Harvest

Project: Florance 40

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **B91114**	RunNo: **91114**
Prep Date:	Analysis Date: **9/16/2022**	SeqNo: **3259546** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	10		10.00		104	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130			
Surr: Dibromofluoromethane	10		10.00		103	70	130			
Surr: Toluene-d8	9.6		10.00		95.8	70	130			

Qualifiers:

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

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: 2209745 | RcptNo: 1

Received By: Juan Rojas 9/15/2022 7:35:00 AM

Completed By: Sean Livingston 9/15/2022 8:58:05 AM

Reviewed By: 9.15.22

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: KPA 9.15.22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good				

Chain-of-Custody Record

Client: Harvest Four Corners
Monica Smith
Mailing Address:
Phone #:
email or Fax#: msmith@harvestmidstream.com
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☒ EDD (Type) PDF

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: Florance #40
Project #:
Project Manager: Brooke Herb
Sampler: Greg Palese
On Ice: ☐ Yes ☐ No
# of Coolers: 1
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. 2209745	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)
9/14	1215	GW	MW03R	3 VOAs	HCl	001	X									
	1318		MW06R			002	X									
	1238		MW07R			003	X									
	1305		MW08			004	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/14/22	1422	Gregory Palese	Chris Wait		9/14/22	1422
9/14/22	1814	Christine Walters		courier	9/15/22	7:35

Remarks:
CC: bherb@ensolum.com
gpalese@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.

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

December 19, 2022

Brooke Herb

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

RE: Florance 40 OrderNo.: 2212311

Dear Brooke Herb:

Hall Environmental Analysis Laboratory received 4 sample(s) on 12/7/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2212311**
Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW06R
Project: Florance 40 **Collection Date:** 12/6/2022 11:10:00 AM
Lab ID: 2212311-001 **Matrix:** GROUNDWA **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	3.4	2.0	P	µg/L	2	12/13/2022 6:59:00 AM	R93215
Toluene	ND	2.0	P	µg/L	2	12/13/2022 6:59:00 AM	R93215
Ethylbenzene	17	2.0	P	µg/L	2	12/13/2022 6:59:00 AM	R93215
Xylenes, Total	ND	3.0	P	µg/L	2	12/13/2022 6:59:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	78.7	70-130	P	%Rec	2	12/13/2022 6:59:00 AM	R93215
Surr: Dibromofluoromethane	83.4	70-130	P	%Rec	2	12/13/2022 6:59:00 AM	R93215
Surr: Toluene-d8	106	70-130	P	%Rec	2	12/13/2022 6:59:00 AM	R93215

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 **2212311**
Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW03R
Project: Florance 40 **Collection Date:** 12/6/2022 11:40:00 AM
Lab ID: 2212311-002 **Matrix:** GROUNDWA **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	2.0	P	µg/L	2	12/13/2022 7:22:00 AM	R93215
Toluene	ND	2.0	P	µg/L	2	12/13/2022 7:22:00 AM	R93215
Ethylbenzene	13	2.0	P	µg/L	2	12/13/2022 7:22:00 AM	R93215
Xylenes, Total	ND	3.0	P	µg/L	2	12/13/2022 7:22:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	81.6	70-130	P	%Rec	2	12/13/2022 7:22:00 AM	R93215
Surr: Dibromofluoromethane	88.0	70-130	P	%Rec	2	12/13/2022 7:22:00 AM	R93215
Surr: Toluene-d8	93.8	70-130	P	%Rec	2	12/13/2022 7:22:00 AM	R93215

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 **2212311**
Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW07R
Project: Florance 40 **Collection Date:** 12/6/2022 12:20:00 PM
Lab ID: 2212311-003 **Matrix:** GROUNDWA **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	2.0		µg/L	2	12/13/2022 7:44:00 AM	R93215
Toluene	ND	2.0		µg/L	2	12/13/2022 7:44:00 AM	R93215
Ethylbenzene	2.3	2.0		µg/L	2	12/13/2022 7:44:00 AM	R93215
Xylenes, Total	7.8	3.0		µg/L	2	12/13/2022 7:44:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	81.5	70-130		%Rec	2	12/13/2022 7:44:00 AM	R93215
Surr: Dibromofluoromethane	88.8	70-130		%Rec	2	12/13/2022 7:44:00 AM	R93215
Surr: Toluene-d8	92.4	70-130		%Rec	2	12/13/2022 7:44:00 AM	R93215

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 **2212311**
Date Reported: **12/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** MW08
Project: Florance 40 **Collection Date:** 12/6/2022 1:00:00 PM
Lab ID: 2212311-004 **Matrix:** GROUNDWA **Received Date:** 12/7/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **CCM**	
Benzene	ND	1.0		µg/L	1	12/13/2022 8:07:00 AM	R93215
Toluene	ND	1.0		µg/L	1	12/13/2022 8:07:00 AM	R93215
Ethylbenzene	ND	1.0		µg/L	1	12/13/2022 8:07:00 AM	R93215
Xylenes, Total	ND	1.5		µg/L	1	12/13/2022 8:07:00 AM	R93215
Surr: 1,2-Dichloroethane-d4	83.8	70-130		%Rec	1	12/13/2022 8:07:00 AM	R93215
Surr: Dibromofluoromethane	92.6	70-130		%Rec	1	12/13/2022 8:07:00 AM	R93215
Surr: Toluene-d8	89.6	70-130		%Rec	1	12/13/2022 8:07:00 AM	R93215

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#: **2212311**

19-Dec-22

Client: Harvest

Project: Florance 40

Sample ID: **100ng lcs 2**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R93215**	RunNo: **93215**
Prep Date:	Analysis Date: **12/12/2022**	SeqNo: **3359432** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	70	130			
Toluene	20	1.0	20.00	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	8.4		10.00		84.4	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.6	70	130			
Surr: Dibromofluoromethane	9.3		10.00		93.1	70	130			
Surr: Toluene-d8	9.4		10.00		93.5	70	130			

Sample ID: **mb 2**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R93215**	RunNo: **93215**
Prep Date:	Analysis Date: **12/12/2022**	SeqNo: **3359433** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	1.5								
Surr: 1,2-Dichloroethane-d4	8.7		10.00		86.6	70	130			
Surr: 4-Bromofluorobenzene	9.6		10.00		95.9	70	130			
Surr: Dibromofluoromethane	9.6		10.00		96.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

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.		

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: 2212311 | RcptNo: 1

Received By: Juan Rojas 12/7/2022 7:10:00 AM

Completed By: Tracy Casarrubias 12/7/2022 8:45:45 AM

Reviewed By: 12-7-22

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: KPC 12.07.22

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

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

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Yes			

Chain-of-Custody Record

Client: Harvest Midstream

Attn: Oakley Hayes

Mailing Address:

Phone #: 505-632-4421

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 (5 day) ☐ Rush

Project Name: Florance #40

Project #: 07B2002011

Project Manager: Brooke Herb

bherb@ensolum.com

Sampler: Reece Hanson

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF): 0.8+0.1=0.9 (°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. 2212311	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)
12/6/22	1110	GW	MW06R	3 VOA	Cool	001	X									
	1140		MW03R			002	X									
	1220		MW07R			003	X									
	1300		MW08			004	X									

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12/6/22	1404				12/6/22	1404
12/6/22	1714				12/7/22	7:10

Remarks: cc: rhanson@ensolum.com
bherb@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

Operator:	OGRID:
Harvest Four Corners, LLC 1755 Arroyo Dr Bloomfield, NM 87413	373888
	Action Number: 202973
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2022 Annual Groundwater Monitoring Report: Content Unsatisfactory for Closure: 1. A letter from IKAV Energy, outlining responsibility for their groundwater impact must be obtained by Harvest Four Corners, LLC 2. A closure report must be submitted and cannot be granted by this groundwater monitoring report alone. 3. The closure report must outline and address everything 19.15.30.19 paragraph A and B to suffice. 4. Continue to submit groundwater reports on annual basis and/or set-up a meeting with OCD to discuss. All constituents of concerns MUST meet eight (8) consecutive groundwater monitoring event below the NM WQCC allowable concentrations for closure.	2/23/2024