District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NRM2027435497
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Harvest Midstream Company	OGRID 373888
Contact Name Kijun Hong	Contact Telephone 505-632-4475
Contact email khong@harvestmidstream.com	Incident # *(assigned by OCD)*
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	

Location of Release Source

Latitude 36.66250 Longitude -107.85583
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lateral J2 Pipeline	Site Type Natural Gas Pipeline
Date Release Discovered 8/28/20	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
E	13	28N	10W	San Juan

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf) TBD	Volume Recovered (Mcf) no liquids
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Natural gas pipeline leak, no liquids. Site is 20 ft from a wash that is a tributary to Armenta Canyon wash. Leak was exposed and a clamp was put on the line. Leak has been repaired.

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? 19.15.29.7(A)(2b): may with reasonable probability reach a watercourse

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
No immediate notice

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

☒ The source of the release has been stopped.
☒ The impacted area has been secured to protect human health and the environment.
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:
No recoverable materials and no free liquids to remove.
Release delineation occurred Sept. 24, 2020. Ten soil samples collected from eight borings and submitted for laboratory analysis. Lab results are pending.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kijun Hong
Title: Environmental Specialist
Signature:
Date: 9/28/2020
email: khong@harvestmidstream.com
Telephone: 505-632-4475

OCD Only

Received by: Ramona Marcus
Date: 10/01/2020

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027435497
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	>12 (ft bgs)
Did this release impact groundwater or surface water?	[X] Yes [ ] No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	[X] Yes [ ] No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	[ ] Yes [X] No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	[ ] Yes [X] No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	[ ] Yes [X] No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	[ ] Yes [X] No
Are the lateral extents of the release within 300 feet of a wetland?	[X] Yes [ ] No
Are the lateral extents of the release overlying a subsurface mine?	[ ] Yes [X] No
Are the lateral extents of the release overlying an unstable area such as karst geology?	[ ] Yes [X] No
Are the lateral extents of the release within a 100-year floodplain?	[ ] Yes [X] No
Did the release impact areas **not** on an exploration, development, production, or storage site?	[ ] Yes [X] No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- [X] Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- [X] Field data
- [X] Data table of soil contaminant concentration data
- [X] Depth to water determination
- [X] Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- [X] Boring or excavation logs
- [X] Photographs including date and GIS information
- [X] Topographic/Aerial maps
- [X] Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027435497
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kijun Hong Title: Environmental Specialist

Signature: Date: 10/19/2020

email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2027435497
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kijun Hong Title: Environmental Specialist

Signature: Date: 10/19/2020

email: khong@harvestmidstream.com Telephone: 505-632-4475

OCD Only

Received by: Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 06/13/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

October 13, 2020

Cory Smith
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos
Aztec, New Mexico 87410
Email: Cory.Smith@state.nm.us

RE: CLOSURE REPORT
Lateral J2 Pipeline Release Assessment
NMOCD Incident No. NRM2027435497
Harvest Release Report No. RRS200828A
SW¼ NW¼, Section 13, T28N, R10W
San Juan County, New Mexico

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed a release assessment at the Lateral J2 Pipeline release location in September 2020. The release, consisting of an undetermined quantity of natural gas (no liquids), was confirmed at this location on August 28, 2020. It is classified as a major release because of its proximity to a tributary of Armenta Wash. AES personnel completed a site delineation of the release on September 24, 2020.

1.0 Site Information

1.1 Location

Site Name – Lateral J2 Pipeline
Legal Description – SW¼ NW¼, Section 13, T28N, R10W, San Juan County, New Mexico
Release Latitude/Longitude – N36.66250, W107.85583, respectively
Land Jurisdiction – Bureau of Land Management
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map

624 E Comanche St.
Farmington, NM 87401
505-564-2281
animasenvironmental.com

1.2 Release Information

On August 28, 2020, Harvest received a call from Intermountain Gas Company about an exposed leak on the Lateral J2 pipeline. Upon verifying the leak, a clamp was placed on the line and repairs completed later. Note that shallow groundwater accumulated in the excavation during repairs. The initial release was of an undetermined volume, and no liquids were observed.

2.0 Site Ranking

In accordance with NMAC 19.15.29.12 Table I (August 2018), release closure criteria are based on the minimum depth to groundwater within the horizontal extent of the release area:

- **Depth to Groundwater:** Saturated soils and groundwater were encountered during repair activities.
- **Sensitive Receptor Determination:** The release site is located 20 ft from a small wash that is a tributary of Armenta Canyon wash. It is designated as a wetland by the National Wetlands Inventory.

NMOCD Action levels are:

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 100 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), diesel range organics (DRO), and motor oil range organics (MRO);
- 600 mg/kg chloride.

3.0 Site Delineation

Release assessment soil samples were collected by AES on September 24, 2020. Notification of release assessment soil sampling was made to NMOCD and BLM on September 21, 2020. The project notification is attached.

3.1 Field Screening

Soil sampling activities included collection of 36 soil samples from 6 hand-augered borings surrounding the release location. All borings were augered to a depth of 12 ft below ground surface (bgs). Moist soils and strong odors were encountered in some of the borings. All samples were analyzed by photoionization detector organic vapor meter (PID-OVM); the highest reading was in SB-4 at 10 ft bgs, with 287.2 ppm. A

total of 10 samples from 6 borings were submitted for laboratory analysis. These samples were collected from 4 to 12 ft bgs. Sample locations are presented on Figure 3. Field data and boring logs are attached.

3.3 Laboratory Analyses

The samples collected for laboratory analysis were placed into new, clean, laboratory-supplied containers, which were then labeled, placed on ice, and logged onto sample chain of custody records. The samples were maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall) in Albuquerque, New Mexico. All samples were laboratory analyzed for:

- BTEX per U.S. Environmental Protection Agency (USEPA) Method 8021B;
- TPH as GRO, DRO, MRO per USEPA Method 8015M/D; and
- Chlorides per USEPA Method 300.0.

3.4 Laboratory Analytical Results

Laboratory analytical results indicated benzene and chlorides in all samples were below laboratory detection limits. All soil samples were below applicable action levels for benzene, total BTEX, TPH (as GRO, DRO, and MRO), and chlorides. The laboratory analytical report is attached.

4.0 Conclusions

AES completed a release assessment of natural gas contamination at the Harvest Lateral J2 Pipeline in September 2020. Laboratory analytical results reported benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations in all samples as *below* applicable NMOCD action levels. No further action is recommended at this time.

If you have any questions about this report or site conditions, please do not hesitate to contact Elizabeth McNally at (505) 564-2281.

Sincerely,

David J. Reese
Environmental Scientist

Elizabeth McNally, P.E.

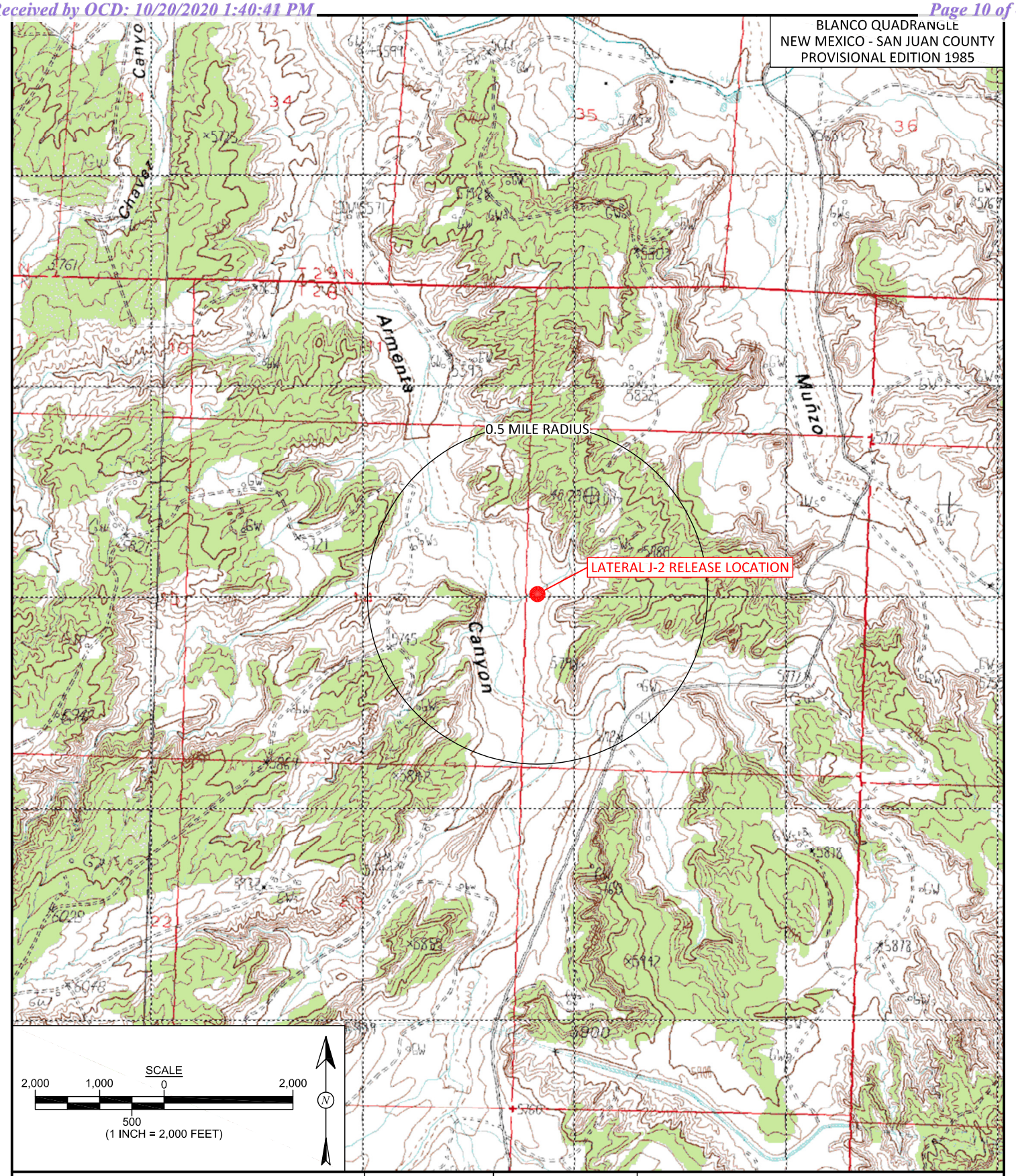
Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map
Figure 3. Site Delineation Sample Locations and Laboratory Analytical Results
Photograph Log
Field Data and Boring Logs (September 24, 2020)
Hall Analytical Report 2009F26
NMOCD Site Assessment/Characterization Ranking
Sampling Notification—September 21, 2020

Cc:
Kijun Hong
Harvest Midstream Company
1755 Arroyo Dr.
Bloomfield, New Mexico 87413
Email: khong@harvestmidstream.com

Tamara Faust and Sherrie Landon
Bureau of Land Management
Farmington Field Office
6251 College Blvd., Suite A
Farmington, New Mexico 87402
Email: tfaust@blm.gov and *slandon@blm.gov*

HarvestMidstream/Shared Documents/Lateral J2/Reports/Lateral J2 Pipeline Release Assmnt Report 101320.docx



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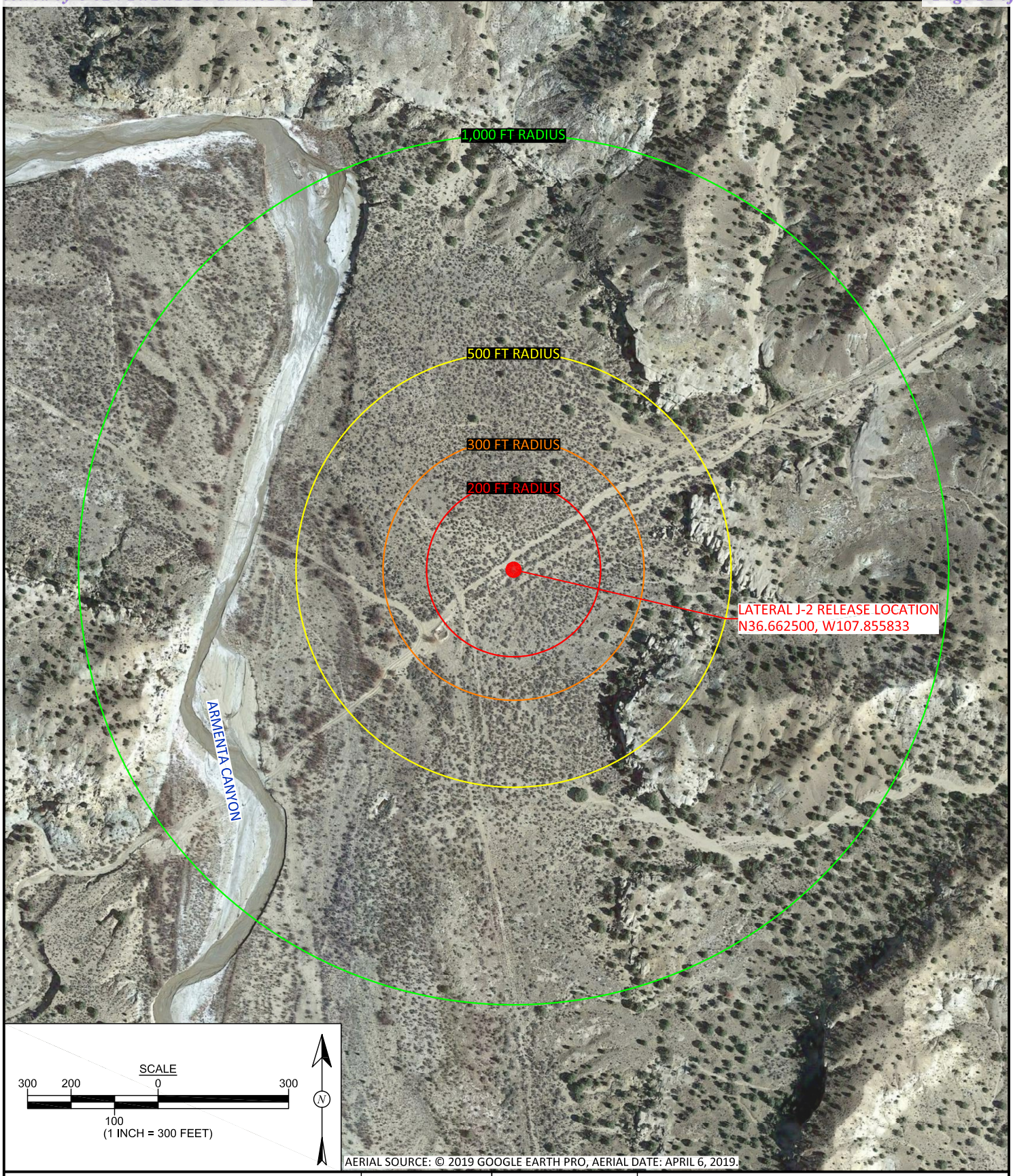
animasenvironmental.com

DRAWN BY: C. Lameman	**DATE DRAWN:** September 14, 2020
REVISIONS BY: C. Lameman	**DATE REVISED:** September 14, 2020
CHECKED BY: E. McNally	**DATE CHECKED:** September 14, 2020
APPROVED BY: E. McNally	**DATE APPROVED:** September 14, 2020

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
HARVEST FOUR CORNERS
LATERAL J-2
RELEASE ID: RRS200828A
SW¼ NW¼, SECTION 13, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.662500, W107.855833



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DRAWN BY: C. Lameman	**DATE DRAWN:** September 14, 2020
REVISIONS BY: C. Lameman	**DATE REVISED:** September 14, 2020
CHECKED BY: E. McNally	**DATE CHECKED:** September 14, 2020
APPROVED BY: E. McNally	**DATE APPROVED:** September 14, 2020

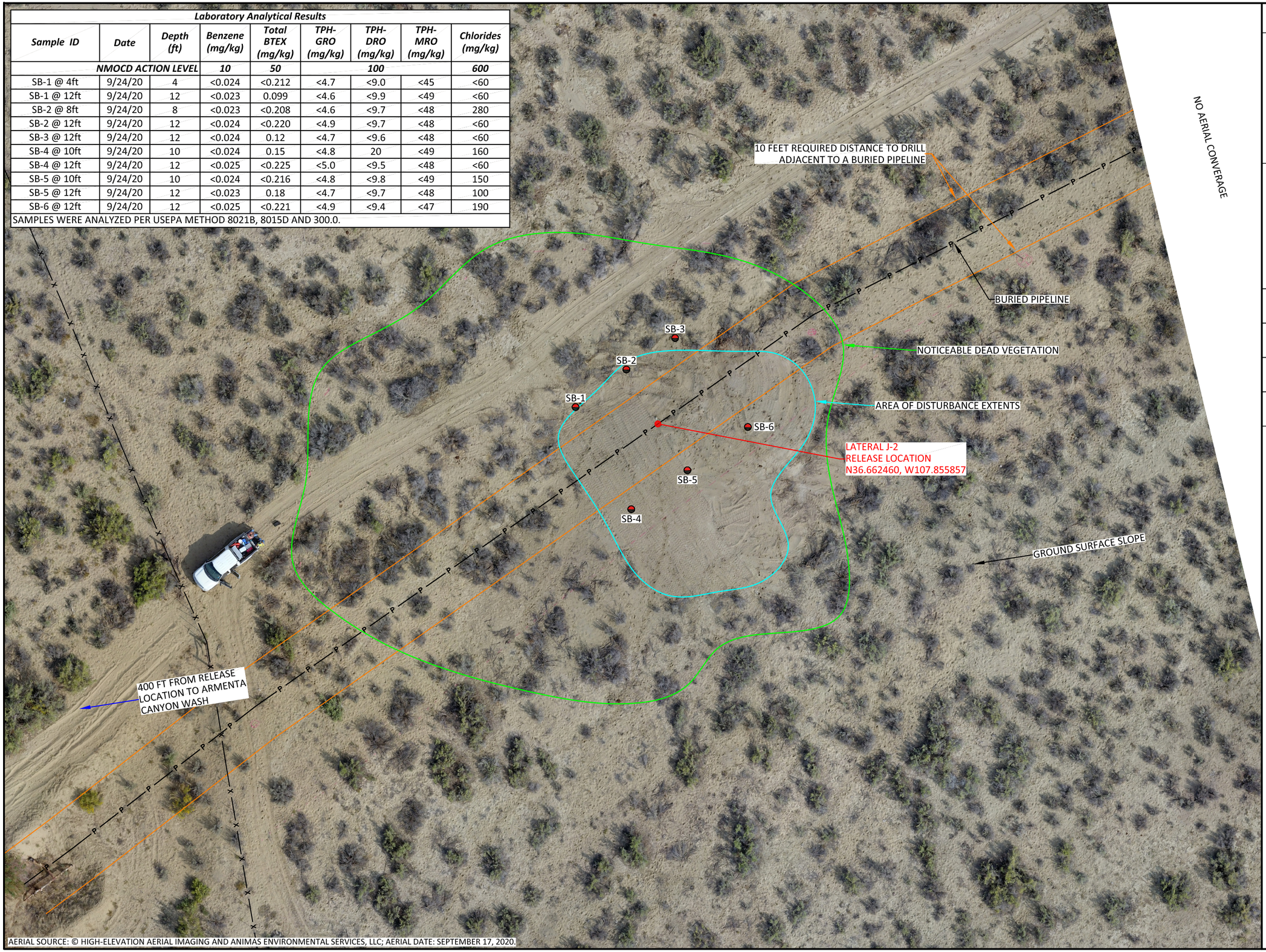
FIGURE 2

AERIAL SITE MAP
HARVEST FOUR CORNERS
LATERAL J-2
RELEASE ID: RRS200828A
SW¼ NW¼, SECTION 13, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.662500, W107.855833

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			10	50		100		600
SB-1 @ 4ft	9/24/20	4	<0.024	<0.212	<4.7	<9.0	<45	<60
SB-1 @ 12ft	9/24/20	12	<0.023	0.099	<4.6	<9.9	<49	<60
SB-2 @ 8ft	9/24/20	8	<0.023	<0.208	<4.6	<9.7	<48	280
SB-2 @ 12ft	9/24/20	12	<0.024	<0.220	<4.9	<9.7	<48	<60
SB-3 @ 12ft	9/24/20	12	<0.024	0.12	<4.7	<9.6	<48	<60
SB-4 @ 10ft	9/24/20	10	<0.024	0.15	<4.8	20	<49	160
SB-4 @ 12ft	9/24/20	12	<0.025	<0.225	<5.0	<9.5	<48	<60
SB-5 @ 10ft	9/24/20	10	<0.024	<0.216	<4.8	<9.8	<49	150
SB-5 @ 12ft	9/24/20	12	<0.023	0.18	<4.7	<9.7	<48	100
SB-6 @ 12ft	9/24/20	12	<0.025	<0.221	<4.9	<9.4	<47	190

SAMPLES WERE ANALYZED PER USEPA METHOD 8021B, 8015D AND 300.0.



AERIAL SOURCE: © HIGH-ELEVATION AERIAL IMAGING AND ANIMAS ENVIRONMENTAL SERVICES, LLC; AERIAL DATE: SEPTEMBER 17, 2020.

FIGURE 3

SEPTEMBER 2020 SITE DELINEATION SAMPLE LOCATIONS AND LABORATORY ANALYTICAL RESULTS

HARVEST FOUR CORNERS
LATERAL J-2
RELEASE ID: RRS200828A
SE¼ NE¼, SECTION 14, T28N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.662500, W107.855833

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DRAWN BY:	DATE DRAWN:
C. Lameman	October 5, 2020
REVISIONS BY:	**DATE REVISED:**
C. Lameman	October 5, 2020
CHECKED BY:	**DATE CHECKED:**
E. McNally	October 5, 2020
APPROVED BY:	**DATE APPROVED:**
E. McNally	October 5, 2020

LEGEND

● HAND AUGER BORING SAMPLE LOCATION

N

SCALE
25 15 0 25
5
(1 INCH = 25 FEET)

Lateral J2
NMOCD Incident No. NRM2027435497
Pipeline Release Assessment

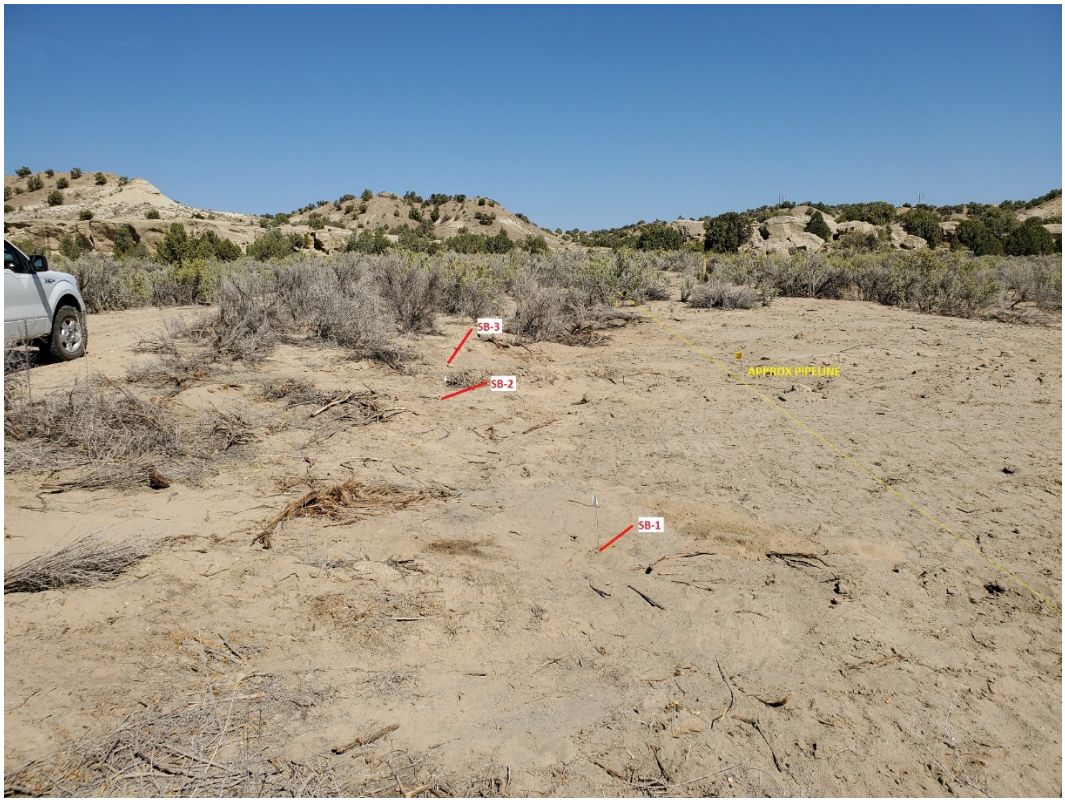


Photo 1: SB-1 through SB-3 locations. View is to the northeast.

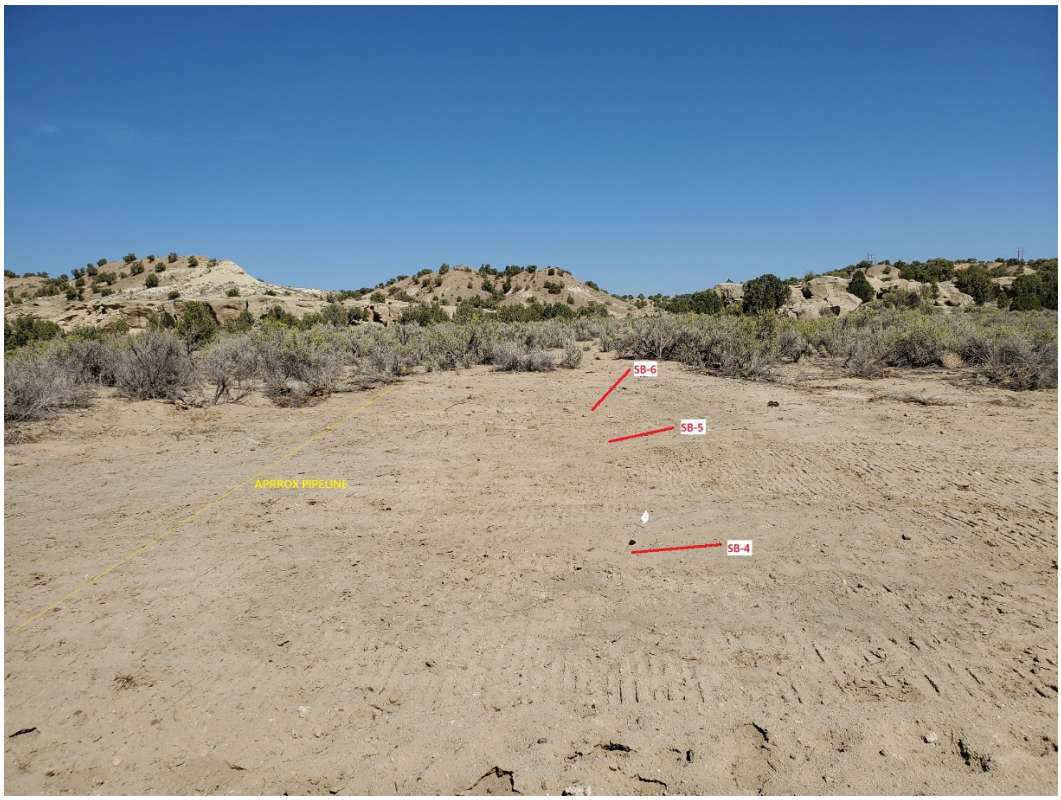


Photo 2: SB-4 through SB-6 locations. View is to the northeast.

Facility or Pipeline Name: Lateral J-2 Pipeline Release

Date: 9-24-20

AES personnel: C. Lameman, G. Broome

S.S.O = Strong Sewer Odor
N.S. = No Staining

Sample ID	Collection Date	Time of Sample Collection	Sample Location	Sample Depth (ft)	Composite	PID-OVM (ppm)	Time of PID-OVM	Chlorides (mg/l CL-)	Time of Chlorides	NOTES (i.e. Soil Type, Color, Odor, Staining)
SB-1	9-24-20	8:12		2	N	21.5	8:14	80	9:21	Sand, CG, Tan, Strong Sewer Odor, Moist, No Stain
		8:15		4		186.8	8:17	80	9:24	Sand, CG, Tan, Strong Sewer Odor, Moist, Sl. Stain
		8:22		6		157.7	8:25	60	9:26	Sand, CG, Tan, Strong Sewer Odor, Moist, No Stain
		8:27		8		178.1	8:30	60	9:28	@ 7' Fn Sand. Sand, FG, Tan, Strong Odor, Dry, No Stain
		8:34		10		92.1	8:38	60	9:30	Sand, FG, Tan, Sewer Odor, No Stain, Dry
		8:45		12		90.2	8:52	60	9:32	Sand, FG, Tan-Green, Clayey, Sl. Sewer Odor, Moist, No Stain
SB-2		9:06		2		26.4	9:11	NA	-	Sand, CG, Staining @ 1', Strong Sewer Odor, Moist
		9:09		4		87.3	9:14	80	10:42	Sand, MG, Tan, Strong Sewer Odor, Dry, N.S.
		9:18		6		82.8	9:22	NA	-	Sand, MG, Tan, No Odor, Dry, N.S.
		9:42		8		208.7	9:47	140	15:49	Sand, MG-FG, Tan, Sl. Odor, N.S., Dry
		9:49		10		93.0	9:57	NA	-	Sand, FG, Tan, Sewer Odor, Moist, N.S.
		9:55		12		63.8	10:00	80	15:50	Sand and Clay, FG, Tan-Green, Sl. Odor, Dry, N.S.
SB-3		10:10		2		33.1	10:14	NA	-	Sand, CG, Tan, Staining @ 2.5', S.S.O, N.S., Moist
		10:12		4		13.9	10:18	80	15:52	Sand, CG, Tan, S.S.O, Moist, N.S.
		10:17		6		45.7	10:24	NA	-	Sand, CG-MG, Tan, Sewer Odor, Dry, N.S.
		10:31		8		88.7	10:36	60	15:54	Sand, MG-FG, Tan, Sewer Odor, Dry, N.S.
		10:39		10		43.3	10:44	NA	-	Sand, MG-FG, Tan, Sewer Odor, Moist, N.S.
		10:46		12		37.9	10:51	40	15:56	Sand and Clay, FG, Tan-Green, Moist, Sewer Odor, N.S.

Type of Sample collection?:

Facility or Pipeline Name: Lateral J-2 Pipeline Release

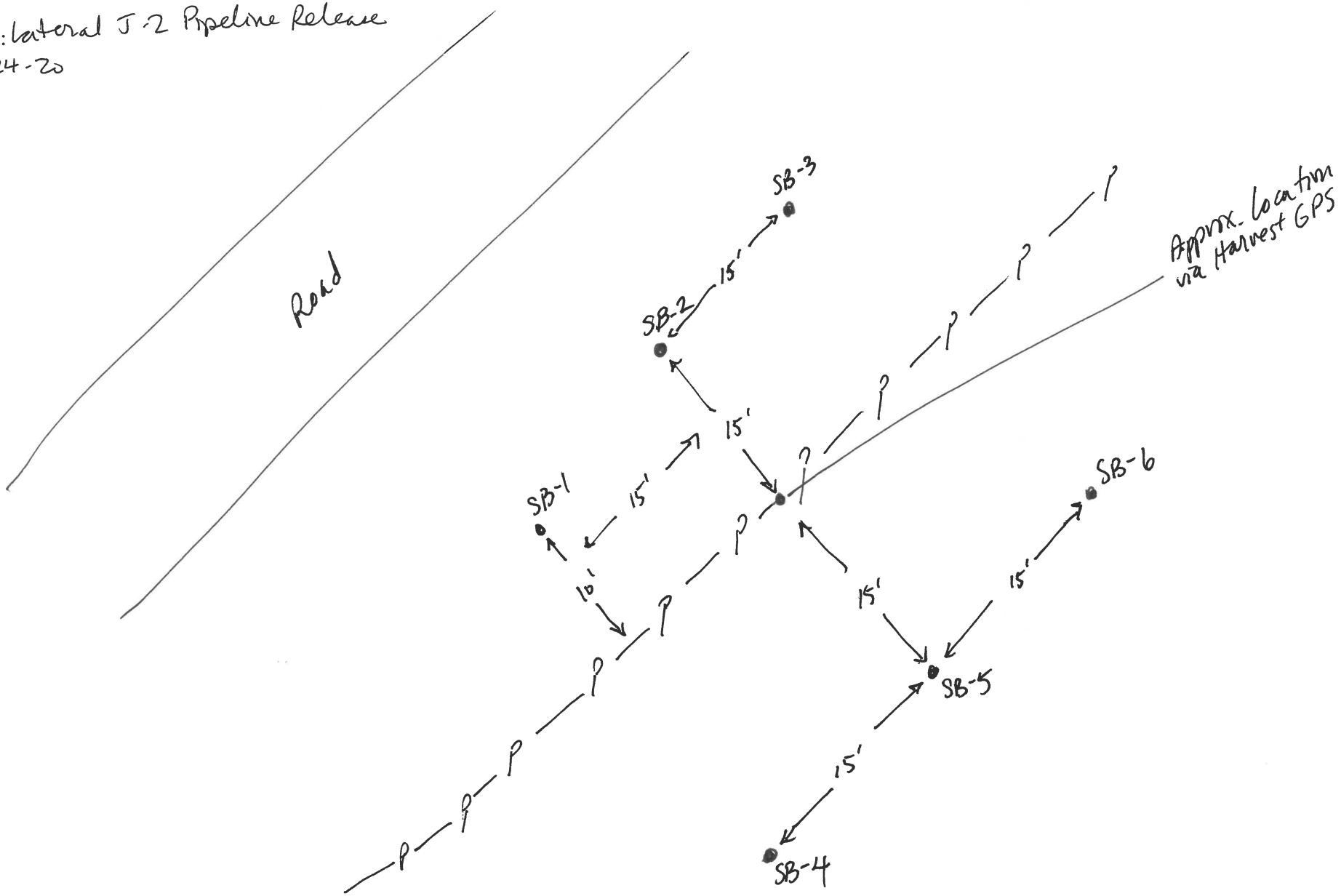
Date: 9-24-20

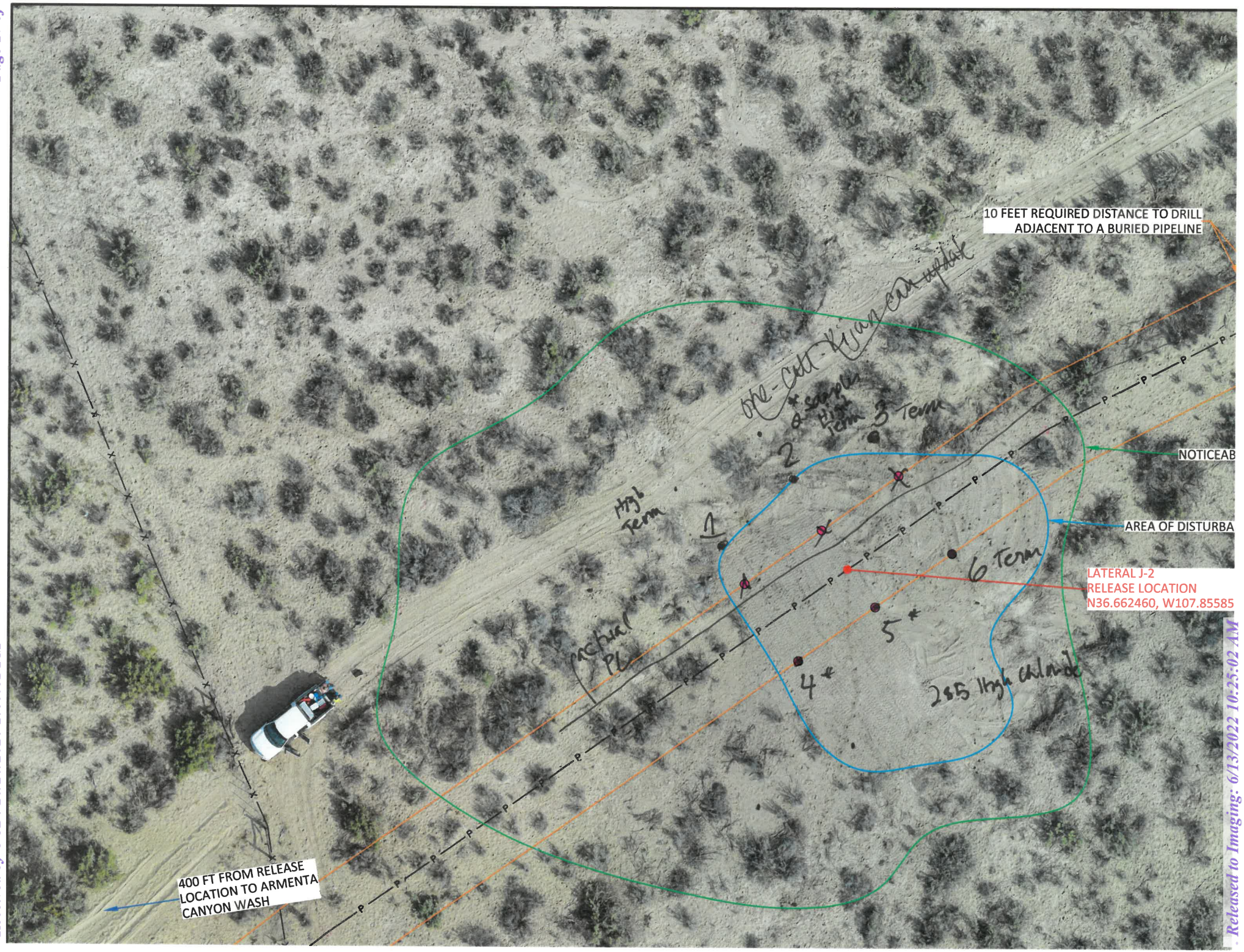
AES personnel: C. Lameman, G. Broome

Sample ID	Collection Date	Time of Sample Collection	Sample Location	Sample Depth (ft)	Composite	PID-OVM (ppm)	Time of PID-OVM	Chlorides (mg/l CL-)	Time of Chlorides	Strong Sewer Odor = S.S.O No Staining = N.S. NOTES (i.e. Soil Type, Color, Odor, Staining)
SB-4	9-24-20	11:01		2	N	1.1	11:05	NA	–	Sand, CG, Tan, Sl. Sewer Odor, Moist, N.S.
		11:03		4		59.5	11:08	40	15:58	Sand, CG, Tan, Sl. Gray Staining, Moist, Sewer Odor
		11:06		6		72.4	11:11	NA	–	Sand, CG, Gray Staining, Moist, Sewer Odor
		11:10		8		41.4	11:15	60	16:01	Sand, CG-MG, Gray Staining, Moist, S.S.O.
		11:41		10		287.2	11:48	NA	–	Sand, MG, Gray Staining, Moist S.S.O Like Petroleum
		11:47		12		74.2	11:52	80	16:04	Sand, MG, Strong Odor, Moist, N.S., Tan
SB-5		11:55		2		7.2	12:00	NA	–	Sand, CG, Tan, Sl. Odor, Moist, N.S.
		11:59		4		33.7	12:05	40	16:06	Sand, CG, Tan, Some Staining, Strong Odor, Moist
		12:04		6		69.2	12:09	NA	–	Sand, MG, Tan, Strong Odor, Dry, N.S.
		12:19		8		49.9	12:29	60	16:08	Sand, MG, Tan, Strong Odor, Dry N.S.
		12:30		10		105.8	12:37	NA	–	Sand, MG-FG, Tan, N.S., Moist, S.S.O.
		12:36		12		48.3	12:41	60	16:10	Sand and Clay, MG-FG, Tan-Green, Sl. Odor, Moist N.S.
SB-6		12:53		2		2.2	13:00	NA	–	Sand, CG, Tan, Sl. Odor, Moist, N.S.
		12:57		4		21.7	13:05	40	16:12	Sand, CG, Tan, Some Gray Staining, Moist, S.S.O.
		13:10		6		48.5	13:16 ~~13:28~~	NA	–	Sand, FG, Tan, S.S.O, Dry, N.S.
		13:21		8		51.5	13:28	80	16:14	V. loose sand c 7: Sand, FG, Loose, Sl. Odor, Dry, N.S.
		13:26		10		42.8	13:31	NA	–	Sand, FG, Tan, Sl. Odor, Dry, N.S.
		13:41		12		103.0	13:45	60	16:16	Sand and Clay, FG, Green, Moist, Sl. Odor, N.S.

Type of Sample collection?:

Site sketch: Lateral J-2 Pipeline Release
Date: 9-24-20





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

October 02, 2020

Elizabeth McNally

Animas Environmental Services
624 E. Comanche
Farmington, NM 87401
TEL: (505) 564-2281
FAX: (505) 324-2022

RE: Harvest Lateral J-2 OrderNo.: 2009F26

Dear Elizabeth McNally:

Hall Environmental Analysis Laboratory received 10 sample(s) on 9/25/2020 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 **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-1 @ 4ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 8:15:00 AM
Lab ID: 2009F26-001 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	9/29/2020 9:34:14 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	9/28/2020 1:16:43 PM	55464
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/28/2020 1:16:43 PM	55464
Surr: DNOP	70.0	30.4-154		%Rec	1	9/28/2020 1:16:43 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/28/2020 2:00:44 PM	55460
Surr: BFB	90.9	75.3-105		%Rec	1	9/28/2020 2:00:44 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/28/2020 2:00:44 PM	55460
Toluene	ND	0.047		mg/Kg	1	9/28/2020 2:00:44 PM	55460
Ethylbenzene	ND	0.047		mg/Kg	1	9/28/2020 2:00:44 PM	55460
Xylenes, Total	ND	0.094		mg/Kg	1	9/28/2020 2:00:44 PM	55460
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	9/28/2020 2:00:44 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-1 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 8:45:00 AM
Lab ID: 2009F26-002 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	9/29/2020 9:46:39 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/28/2020 1:46:04 PM	55464
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2020 1:46:04 PM	55464
Surr: DNOP	86.4	30.4-154		%Rec	1	9/28/2020 1:46:04 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/28/2020 3:11:18 PM	55460
Surr: BFB	90.6	75.3-105		%Rec	1	9/28/2020 3:11:18 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	9/28/2020 3:11:18 PM	55460
Toluene	ND	0.046		mg/Kg	1	9/28/2020 3:11:18 PM	55460
Ethylbenzene	ND	0.046		mg/Kg	1	9/28/2020 3:11:18 PM	55460
Xylenes, Total	0.099	0.092		mg/Kg	1	9/28/2020 3:11:18 PM	55460
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	9/28/2020 3:11:18 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-2 @ 8ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 9:42:00 AM
Lab ID: 2009F26-003 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CAS**
Chloride	280	60		mg/Kg	20	9/29/2020 9:59:03 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**mb**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2020 1:55:49 PM	55464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2020 1:55:49 PM	55464
Surr: DNOP	79.1	30.4-154		%Rec	1	9/28/2020 1:55:49 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/28/2020 4:22:20 PM	55460
Surr: BFB	89.0	75.3-105		%Rec	1	9/28/2020 4:22:20 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.023		mg/Kg	1	9/28/2020 4:22:20 PM	55460
Toluene	ND	0.046		mg/Kg	1	9/28/2020 4:22:20 PM	55460
Ethylbenzene	ND	0.046		mg/Kg	1	9/28/2020 4:22:20 PM	55460
Xylenes, Total	ND	0.093		mg/Kg	1	9/28/2020 4:22:20 PM	55460
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	9/28/2020 4:22:20 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-2 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 9:55:00 AM
Lab ID: 2009F26-004 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	9/29/2020 10:11:28 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2020 2:05:34 PM	55464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2020 2:05:34 PM	55464
Surr: DNOP	74.4	30.4-154		%Rec	1	9/28/2020 2:05:34 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2020 4:45:54 PM	55460
Surr: BFB	86.0	75.3-105		%Rec	1	9/28/2020 4:45:54 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/28/2020 4:45:54 PM	55460
Toluene	ND	0.049		mg/Kg	1	9/28/2020 4:45:54 PM	55460
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2020 4:45:54 PM	55460
Xylenes, Total	ND	0.098		mg/Kg	1	9/28/2020 4:45:54 PM	55460
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/28/2020 4:45:54 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-3 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 10:46:00 AM
Lab ID: 2009F26-005 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	9/29/2020 10:23:53 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/28/2020 2:15:18 PM	55464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2020 2:15:18 PM	55464
Surr: DNOP	77.9	30.4-154		%Rec	1	9/28/2020 2:15:18 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/28/2020 5:09:15 PM	55460
Surr: BFB	89.5	75.3-105		%Rec	1	9/28/2020 5:09:15 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/28/2020 5:09:15 PM	55460
Toluene	ND	0.047		mg/Kg	1	9/28/2020 5:09:15 PM	55460
Ethylbenzene	ND	0.047		mg/Kg	1	9/28/2020 5:09:15 PM	55460
Xylenes, Total	0.12	0.094		mg/Kg	1	9/28/2020 5:09:15 PM	55460
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/28/2020 5:09:15 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-4 @ 10ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 11:41:00 AM
Lab ID: 2009F26-006 **Matrix:** SOIL
Received Date: 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	160	60		mg/Kg	20	9/29/2020 10:36:17 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	20	9.7		mg/Kg	1	9/28/2020 2:25:02 PM	55464
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2020 2:25:02 PM	55464
Surr: DNOP	99.3	30.4-154		%Rec	1	9/28/2020 2:25:02 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2020 5:32:39 PM	55460
Surr: BFB	93.4	75.3-105		%Rec	1	9/28/2020 5:32:39 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/28/2020 5:32:39 PM	55460
Toluene	ND	0.048		mg/Kg	1	9/28/2020 5:32:39 PM	55460
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2020 5:32:39 PM	55460
Xylenes, Total	0.15	0.097		mg/Kg	1	9/28/2020 5:32:39 PM	55460
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	9/28/2020 5:32:39 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-4 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 11:47:00 AM
Lab ID: 2009F26-007 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	9/29/2020 10:48:42 PM	55541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/28/2020 2:34:44 PM	55464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2020 2:34:44 PM	55464
Surr: DNOP	77.7	30.4-154		%Rec	1	9/28/2020 2:34:44 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/28/2020 5:56:20 PM	55460
Surr: BFB	87.1	75.3-105		%Rec	1	9/28/2020 5:56:20 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/28/2020 5:56:20 PM	55460
Toluene	ND	0.050		mg/Kg	1	9/28/2020 5:56:20 PM	55460
Ethylbenzene	ND	0.050		mg/Kg	1	9/28/2020 5:56:20 PM	55460
Xylenes, Total	ND	0.10		mg/Kg	1	9/28/2020 5:56:20 PM	55460
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	9/28/2020 5:56:20 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-5 @ 10ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 12:30:00 PM
Lab ID: 2009F26-008 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	150	60		mg/Kg	20	9/30/2020 1:55:20 PM	55559
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/28/2020 2:44:25 PM	55464
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/28/2020 2:44:25 PM	55464
Surr: DNOP	89.0	30.4-154		%Rec	1	9/28/2020 2:44:25 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2020 7:06:31 PM	55460
Surr: BFB	90.3	75.3-105		%Rec	1	9/28/2020 7:06:31 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	9/28/2020 7:06:31 PM	55460
Toluene	ND	0.048		mg/Kg	1	9/28/2020 7:06:31 PM	55460
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2020 7:06:31 PM	55460
Xylenes, Total	ND	0.096		mg/Kg	1	9/28/2020 7:06:31 PM	55460
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	9/28/2020 7:06:31 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-5 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 12:36:00 PM
Lab ID: 2009F26-009 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	100	60		mg/Kg	20	9/30/2020 2:32:33 PM	55559
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/28/2020 2:54:06 PM	55464
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/28/2020 2:54:06 PM	55464
Surr: DNOP	77.7	30.4-154		%Rec	1	9/28/2020 2:54:06 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/28/2020 7:29:50 PM	55460
Surr: BFB	93.9	75.3-105		%Rec	1	9/28/2020 7:29:50 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.023		mg/Kg	1	9/28/2020 7:29:50 PM	55460
Toluene	ND	0.047		mg/Kg	1	9/28/2020 7:29:50 PM	55460
Ethylbenzene	ND	0.047		mg/Kg	1	9/28/2020 7:29:50 PM	55460
Xylenes, Total	0.18	0.093		mg/Kg	1	9/28/2020 7:29:50 PM	55460
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	1	9/28/2020 7:29:50 PM	55460

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	Value above quantitation range
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		

Analytical Report
Lab Order **2009F26**
Date Reported: **10/2/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental Services
Client Sample ID: SB-6 @ 12ft
Project: Harvest Lateral J-2
Collection Date: 9/24/2020 1:41:00 PM
Lab ID: 2009F26-010 **Matrix:** SOIL **Received Date:** 9/25/2020 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **JRR**	
Chloride	190	60		mg/Kg	20	9/30/2020 2:44:57 PM	55559
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/28/2020 3:03:45 PM	55464
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/28/2020 3:03:45 PM	55464
Surr: DNOP	83.1	30.4-154		%Rec	1	9/28/2020 3:03:45 PM	55464
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2020 7:53:09 PM	55460
Surr: BFB	90.9	75.3-105		%Rec	1	9/28/2020 7:53:09 PM	55460
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	9/28/2020 7:53:09 PM	55460
Toluene	ND	0.049		mg/Kg	1	9/28/2020 7:53:09 PM	55460
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2020 7:53:09 PM	55460
Xylenes, Total	ND	0.098		mg/Kg	1	9/28/2020 7:53:09 PM	55460
Surr: 4-Bromofluorobenzene	105	80-120		%Rec	1	9/28/2020 7:53:09 PM	55460

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	Value above quantitation range
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		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2009F26**

02-Oct-20

Client: Animas Environmental Services

Project: Harvest Lateral J-2

Sample ID: **MB-55541**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **55541**	RunNo: **72232**
Prep Date: **9/29/2020**	Analysis Date: **9/29/2020**	SeqNo: **2534669** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-55541**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **55541**	RunNo: **72232**
Prep Date: **9/29/2020**	Analysis Date: **9/29/2020**	SeqNo: **2534670** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: **MB-55559**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **55559**	RunNo: **72273**
Prep Date: **9/30/2020**	Analysis Date: **9/30/2020**	SeqNo: **2536057** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-55559**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **55559**	RunNo: **72273**
Prep Date: **9/30/2020**	Analysis Date: **9/30/2020**	SeqNo: **2536058** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

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
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2009F26**

02-Oct-20

Client: Animas Environmental Services

Project: Harvest Lateral J-2

Sample ID: **LCS-55461** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **55461** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2530703** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		84.7	30.4	154			

Sample ID: **MB-55461** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **55461** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2530704** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.8		10.00		88.1	30.4	154			

Sample ID: **MB-55464** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **55464** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531147** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.7		10.00		67.3	30.4	154			

Sample ID: **2009F26-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SB-1 @ 4ft** Batch ID: **55464** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531221** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.1	45.75	0	89.3	15	184			
Surr: DNOP	3.1		4.575		67.8	30.4	154			

Sample ID: **2009F26-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **SB-1 @ 4ft** Batch ID: **55464** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.5	47.26	0	90.7	15	184	4.83	23.9	
Surr: DNOP	3.1		4.726		66.4	30.4	154	0	0	

Sample ID: **LCS-55464** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **55464** RunNo: **72183**
Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531226** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.9	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
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2009F26**
02-Oct-20

Client: Animas Environmental Services
Project: Harvest Lateral J-2

Sample ID: **LCS-55464**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **55464**	RunNo: **72183**
Prep Date: **9/26/2020**	Analysis Date: **9/28/2020**	SeqNo: **2531226** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	2.8		5.000		55.4	30.4	154			

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
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2009F26**

02-Oct-20

Client: Animas Environmental Services

Project: Harvest Lateral J-2

Sample ID: **mb-55460** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **55460** RunNo: **72205**

Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531593** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.2	75.3	105			

Sample ID: **lcs-55460** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **55460** RunNo: **72205**

Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531594** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.8	72.5	106			
Surr: BFB	1000		1000		101	75.3	105			

Sample ID: **2009f26-001ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **SB-1 @ 4ft** Batch ID: **55460** RunNo: **72205**

Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531596** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.95	0	86.6	61.3	114			
Surr: BFB	920		957.9		95.6	75.3	105			

Sample ID: **2009f26-001amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **SB-1 @ 4ft** Batch ID: **55460** RunNo: **72205**

Prep Date: **9/26/2020** Analysis Date: **9/28/2020** SeqNo: **2531597** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.99	0	87.2	61.3	114	0.928	20	
Surr: BFB	940		959.7		97.4	75.3	105	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2009F26**

02-Oct-20

Client: Animas Environmental Services

Project: Harvest Lateral J-2

Sample ID: **mb-55460**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **55460**	RunNo: **72205**
Prep Date: **9/26/2020**	Analysis Date: **9/28/2020**	SeqNo: **2531620** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

Sample ID: **LCS-55460**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **55460**	RunNo: **72205**
Prep Date: **9/26/2020**	Analysis Date: **9/28/2020**	SeqNo: **2531621** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	80	120			

Sample ID: **2009f26-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-1 @ 12ft**	Batch ID: **55460**	RunNo: **72205**
Prep Date: **9/26/2020**	Analysis Date: **9/28/2020**	SeqNo: **2531624** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9597	0.01369	90.2	76.3	120			
Toluene	0.96	0.048	0.9597	0.02077	97.5	78.5	120			
Ethylbenzene	0.98	0.048	0.9597	0.01489	100	78.1	124			
Xylenes, Total	3.0	0.096	2.879	0.09908	101	79.3	125			
Surr: 4-Bromofluorobenzene	1.0		0.9597		104	80	120			

Sample ID: **2009f26-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **SB-1 @ 12ft**	Batch ID: **55460**	RunNo: **72205**
Prep Date: **9/26/2020**	Analysis Date: **9/28/2020**	SeqNo: **2531625** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9653	0.01369	94.0	76.3	120	4.55	20	
Toluene	1.0	0.048	0.9653	0.02077	101	78.5	120	4.42	20	
Ethylbenzene	1.0	0.048	0.9653	0.01489	104	78.1	124	4.19	20	
Xylenes, Total	3.1	0.097	2.896	0.09908	105	79.3	125	3.69	20	
Surr: 4-Bromofluorobenzene	1.0		0.9653		106	80	120	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
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: Animas Environmental Services | Work Order Number: 2009F26 | RcptNo: 1

Received By: **Cheyenne Cason** 9/25/2020 7:50:00 AM

Completed By: **Juan Rojas** 9/25/2020 8:14:06 AM

Reviewed By: JR 9/25/20

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: CM 9/25/20

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	5.5	Good				

Chain-of-Custody Record

Client: Animas Environmental Services

Mailing Address: 624 E. Comanche St. Farmington NM 87401

Phone #: 505-564-2281

email or Fax#: klupton@animasenvironmental.com

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

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Harvest Lateral J-2

Project #:

Project Manager: Elizabeth McNally, Karen Lupton

Sampler: CL/GB

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 5.5±0=5.5 (°C)

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2009F26	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)	Chlorides (300.0)	Analysis Request
9-24-20	8:15	Soil	SB-1 @ 4ft	1-4oz jar	1-Cool	-001	X	X									X	
	8:45		SB-1 @ 12ft			-002	X	X									X	
	9:42		SB-2 @ 8ft			-003	X	X									X	
	9:55		SB-2 @ 12ft			-004	X	X									X	
	10:46		SB-3 @ 12ft			-005	X	X									X	
	11:41		SB-4 @ 10ft			-006	X	X									X	
	11:47		SB-4 @ 12ft			-007	X	X									X	
	12:30		SB-5 @ 10ft			-008	X	X									X	
	12:36		SB-5 @ 12ft			-009	X	X									X	
→	13:41	→	SB-6 @ 12ft			-010	X	X									X	

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
9/24/2020	1652		Christine Walters		9/24/2020	1652
9/24/2020	1804	Christine Walters		Courier	9/25/20	0750

Remarks: Direct Bill to Harvest. (Kijun)
Call w/ questions

NMOCD Site Assessment/Characterization, Remediation & Closure

Site Name:	**Lateral J2 Pipeline**
API #:	not applicable
Lat/Long:	36.662500, -107.855833
TRS:	SE/NE-14-28N-10W
Land Jurisdiction:	Federal - BLM
County:	San Juan
Determination made by:	David Reese, CHMM/Environmental Scientist
Date:	9/14/2020

Wellhead Protection Area Assessment:

Determine the horizontal distance from all known water sources within 1/2 mile of the release including private and domestic water sources. Water sources are wells, springs or other sources of fresh water extraction. Private and domestic water sources are those water sources used by less than five households for domestic or stock purposes. (NMAC 19.15.29.11A.3)

Water Source Type (well/spring/stock pond)	ID (if available)	Latitude	Longitude	Distance
none within 1/2 mile				

Distance to Nearest Significant Watercourse (NMAC 19.15.29.11A.4)

20' from a tributary wash of Armenta Canyon Wash, which flows to San Juan River

Depth to Groundwater Determination (NMAC 19.15.29.11A.2)

Cathodic Report/Site Specific Hydrogeology	groundwater encountered during repair activities
Elevation Differential	release location is next to wash
Water Wells	no registered wells within 1/2 mile
Cathodic Report Nearby Wells	none available for nearby wells

Sensitive Receptor Determination **If a release occurs within the following areas, the RP must treat the release as if it occurred less than 50 ft to Groundwater (NMAC 19.15.29.12C.4):*	**Yes**	**No**
<300' of any continuously flowing watercourse or any other significant watercourse	☑	☐
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	☐	☑
<300' of an occupied permanent residence, school, hospital, institution or church	☐	☑
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	☐	☑
<1000' of any water well or spring	☐	☑
within incorporated municipal boundaries or within a defined municipal fresh water well field	☐	☑
<300' of a wetland	☑	☐
within the area overlying a subsurface mine	☐	☑
within an unstable area	☐	☑
within a 100-year floodplain	☐	☑

Explain any 'Yes' Marks:

Release location is 20' from a wash that is a tributary of Armenta Canyon Wash and that is designated as a wetland by Nat. Wetlands Inventory. Also, not within a nearby 100-year floodplain.

Actual Depth to Groundwater is: **≤50** ☑ **50-100** ☐ **>100** ☐

***Treat Depth to Groundwater as if it's ≤ 50 ft?** Yes ☑ No ☐

	≤50	**50-100**	**>100**
Release Action Levels are... Benzene	**10**	**10**	**10**
BTEX (mg/kg)	**50**	**50**	**50**
8015 TPH (GRO/DRO) (mg/kg)	**Not Applicable**	**1,000**	**1,000**
8015 TPH (GRO/DRO/MRO) (mg/kg)	**100**	**2,500**	**2,500**
Chlorides (mg/kg)	**600**	**10,000**	**20,000**

NMAC 19.15.29.12 Table I. Release Action Levels are determined by the depth below bottom of pit to groundwater.

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

UTMNAD83 Radius Search (in meters):

Easting (X): 244750 **Northing (Y):** 4061234 **Radius:** 805

ntory
surface waters and wetlands

ABOUT | GET DATA | PRINT | FIND LOCATION

BASEMAPS >

MAP LAYERS >

- [x] Wetlands
- [x] Riparian
- [ ] Riparian Mapping Areas
- [x] Data Source
  - Source Type
  - Image Scale
  - Image Year
- [ ] Areas of Interest
- [ ] FWS Managed Lands
- [ ] Historic Wetland Data

Measure

R4SBA

LEGEND

Wetlands
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

Riparian
- Forested/Shrub
- Herbaceous

1:4,514
36.663 | -107.854

USDA FSA | Esri, HERE, Garmin, iPC | U.S. Fish and Wildlife Service, National Standards and Su...

POWERED BY esri

PIN
Approximate location based on user input and does not represent an authoritative property location

MAP PANELS
Selected FloodMap Boundary
Digital Data Available
No Digital Data Available
Unmapped
NO SCREEN Area of Minimal Flood Hazard Zone X
Effective LOMRs
Area of Undetermined Flood Hazard Zone D
Otherwise Protected Area

SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE) Zone A, V, A99
With BFE or Depth
Regulatory Floodway Zone AE, AO, AH, VE, AR

OTHER AREAS OF FLOOD HAZARD
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
Future Conditions 1% Annual Chance Flood Hazard Zone X
Area with Reduced Flood Risk due to Levee. See Notes. Zone X
Area with Flood Risk due to Levee Zone D

OTHER FEATURES
20.2 Cross Sections with 1% Annual Chance
17.5 Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature

GENERAL STRUCTURES
Channel, Culvert, or Storm Sewer
Levee, Dike, or Floodwall

OTHER AREAS

From: Smith, Cory, EMNRD
To: Karen Lupton
Cc: Kijun Hong; Lbell@harvestmidstream.com; Elizabeth McNally; Corwin Lameman; Greg Broome
Subject: RE: Project Notification for Harvest Midstream Lateral J-2 site Delineation
Date: Tuesday, September 22, 2020 7:39:27 AM

Kijun,

Thank you for the notice, in addition if ground water is encountered please sample for general water chemistry(TDS, pH), Cation/Anion and full list 8260.

Thank you,

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Karen Lupton <klupton@animasenvironmental.com>
Sent: Monday, September 21, 2020 4:30 PM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Kijun Hong <khong@harvestmidstream.com>; Lbell@harvestmidstream.com; McNally, Elizabeth <emcnally@animasenvironmental.com>; Corwin Lameman <clameman@animasenvironmental.com>; Greg Broome <gbroome@animasenvironmental.com>
Subject: [EXT] Project Notification for Harvest Midstream Lateral J-2 site Delineation

Hi Cory:

Animas Environmental Services would like to schedule delineation at the Harvest Midstream Lateral J2 site on Thursday, September 24th at 8:0AM. Corwin Lameman and Greg Broome from AES will be on location Thursday, September 24th. This is for site assessment purposes only to determine the extent of the release. If there are any questions, please don't hesitate to call or email me.

- Soil samples will be collected using a hand auger.
- In the event that groundwater is reached, groundwater samples will be collected using a hydropunch.
- Delineation samples will include field screening for OVMs and collecting samples for lab analysis from at least two intervals from each boring, one from the interval with the highest OVM readings and one from the terminal depth of the boring.
- Lab samples will be run for BTEX, TPH (GRO, DRO, and MRO), and chlorides.

Corwin Lameman 505.486.2281
Greg Broome 970.560.2117

Thank you!

Karen Lupton
Director of Operations
klupton@animasenvironmental.com
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www.animasenvironmental.com
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 10761

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 10761
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	6/13/2022