

Incident ID	NRM2027337168
District RP	
Facility ID	
Application ID	

**DENIED**

Reasons of Rejection Attached  
**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?	<50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data *Excavation Clearance*
- Data table of soil contaminant concentration data *Excavation Clearance*
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- 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.

State of New Mexico  
Oil Conservation Division

Incident ID	NRM2027337168
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: 10/15/2020

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

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NRM2027337168
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: 10/15/2020  
 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: **DENIED** Date: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



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](mailto:Cory.Smith@state.nm.us)

**RE: CLOSURE REPORT**  
**Hanks 2 Pipeline Excavation Clearance**  
**NMOCD Incident No. NRM2027337168**  
**Harvest Release Report No. RRS200813A**  
**NW¼ NW¼, Section 6, T27N, R9W**  
**San Juan County, New Mexico**

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed an excavation clearance at the Harvest Hanks 2 Pipeline release location in October 2020. The release, consisting of an undetermined quantity of natural gas (no liquids), was confirmed at this location on August 13, 2020. It is classified as a major release because it occurred within a small tributary of Armenta Wash. In order to repair the line, it was necessary to excavate soils around the line. Harvest collected soil samples to confirm there was no impact from the natural gas release.

---

## 1.0 Site Information

### 1.1 Location

Site Name – Hanks 2 Pipeline  
Legal Description – NW¼ NW¼, Section 6, T27N, R9W, San Juan County, New Mexico  
Release Latitude/Longitude – N36.60968, W107.83648, respectively  
Land Jurisdiction – Bureau of Land Management  
Figure 1. Topographic Site Location Map  
Figure 2. Aerial Site Location Map



## 1.2 Release Information

On August 13, 2020, Harvest personnel observed a line leak on the Hanks 2 pipeline at the well tie line for the Hargrave 1. Personnel blew down the pipeline and isolated the leak, which was caused by corrosion. The site was excavated, and 46 feet of 2-inch pipe were replaced. The initial release was of an undetermined volume of natural gas, and no liquids were observed. Due to the proximity to a watercourse, the release was classified as “major”.

---

## 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:** Cathodic reports could not be located for oil and gas wells within one-half mile. Depth to water records could not be located for any wells within one-half mile. However, the site is within a wash that is a tributary of Armenta Canyon wash. Depth to groundwater is less than 50 ft bgs.
- **Sensitive Receptor Determination:** The release site is located within 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 Excavation Clearance

Notification of soil confirmation sampling was made to NMOCD and BLM on September 29, 2020. Project notifications are attached. Soil confirmation samples were collected by Harvest on October 1, 2020. Soil sampling activities included collection of six confirmation soil samples from the walls and base of the repair trench. A final composite sample was collected by Harvest on October 5, 2020, after additional soils were removed from the base of the excavation. Sample locations are presented on Figure 3, and the project notification is attached.

### 3.1 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.

### 3.2 Laboratory Analytical Results

All laboratory analytical results indicated benzene, total BTEX, and chlorides in all samples were below applicable action levels. In contrast, TPH (as GRO, DRO, and MRO) results exceeded the action level of 100 mg/kg in one sample, Hanks 2 North Bottom, with 213 mg/kg. Additional soils were removed from the base of the excavation, and a subsequent sample at that location reported 20 mg/kg TPH. The laboratory analytical reports are attached.

---

## 4.0 Conclusions

Harvest completed an excavation clearance of petroleum hydrocarbon impacted soils at the Hanks 2 Pipeline in October 2020 resulting from a release reported on August 13, 2020. Laboratory analytical results reported benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations 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



Hanks 2 Pipeline Excavation Clearance Report

October 13, 2020

Page 4 of 4

Elizabeth McNally, P.E.

**Attachments:**

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Location Map

Figure 3. Excavation Area and Soil Sample Locations

Photograph Log

Excavation Log (October 1, 2020)

Hall Analytical Reports 2010109 and 2010212

NMOCD Site Assessment/Characterization Ranking

Sampling Notification—September 29, 2020

Cc:

Kijun Hong

Harvest Midstream Company

1755 Arroyo Dr.

Bloomfield, New Mexico 87413

Email: [khong@harvestmidstream.com](mailto:khong@harvestmidstream.com)

Tamara Faust and Sherrie Landon

Bureau of Land Management

Farmington Field Office

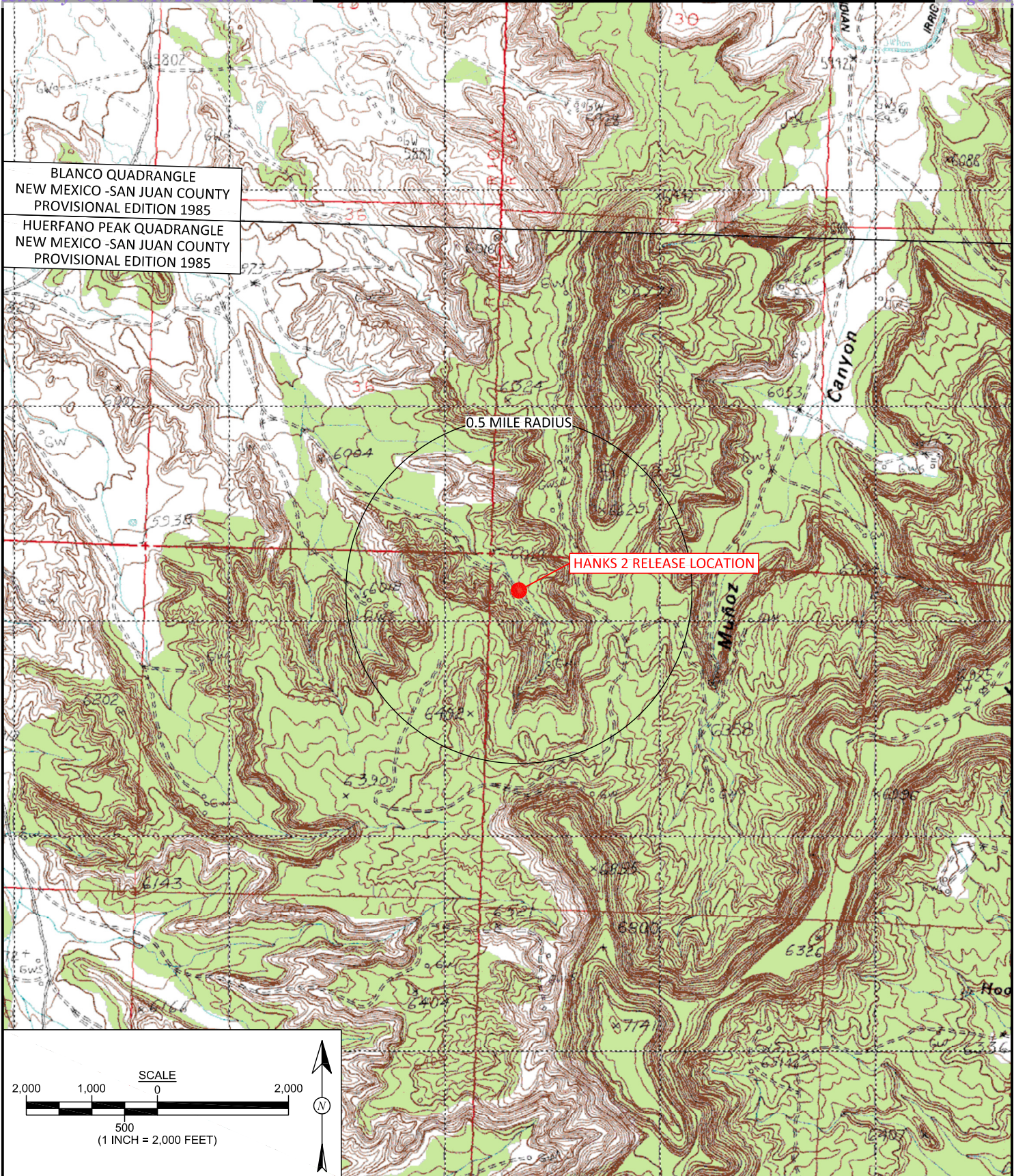
6251 College Blvd., Suite A

Farmington, New Mexico 87402

Email: [tfaust@blm.gov](mailto:tfaust@blm.gov) and [slandon@blm.gov](mailto:slandon@blm.gov)

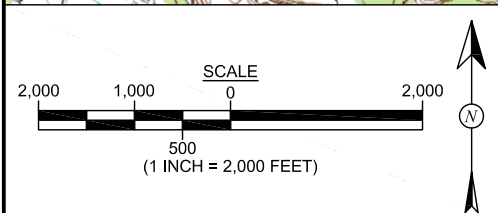
<https://animasenvironmental.sharepoint.com/sites/HarvestMidstream/Shared Documents/Hanks 2 C-141/Reports/Hanks 2 Pipeline Exc Clearance Report 101320.docx>





BLANCO QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 PROVISIONAL EDITION 1985

HUERFANO PEAK QUADRANGLE  
 NEW MEXICO - SAN JUAN COUNTY  
 PROVISIONAL EDITION 1985



<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> September 14, 2020
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> September 14, 2020
<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> September 14, 2020
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> September 14, 2020

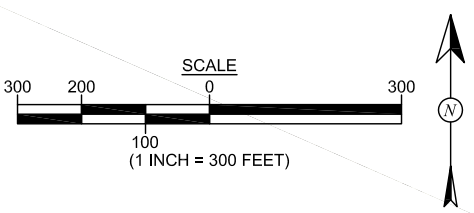
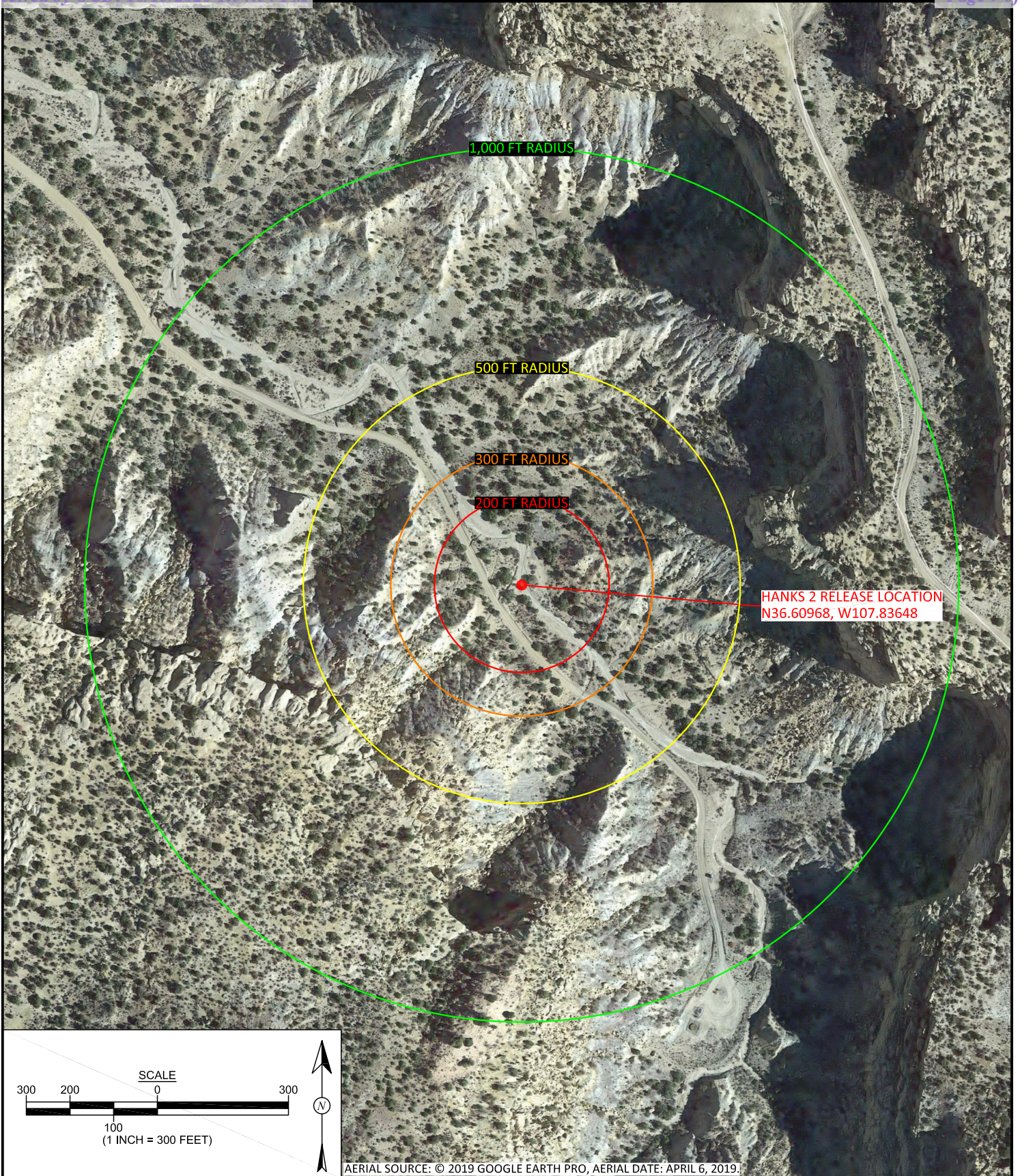
**FIGURE 1**

**TOPOGRAPHIC SITE LOCATION MAP**  
 HARVEST FOUR CORNERS  
 HANKS 2 PIPELINE RELEASE  
 NW¼ NW¼, SECTION 6, T27N, R9W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.60968, W107.83648




**animas  
 environmental  
 services**  
 Farmington, NM • Durango, CO  
 animasenvironmental.com





AERIAL SOURCE: © 2019 GOOGLE EARTH PRO, AERIAL DATE: APRIL 6, 2019.

 <p><b>animas environmental services</b> Farmington, NM • Durango, CO animasenvironmental.com</p>	<p><b>DRAWN BY:</b> C. Lameman</p>	<p><b>DATE DRAWN:</b> September 14, 2020</p>	<p><b>FIGURE 2</b></p> <p><b>AERIAL SITE MAP</b> HARVEST FOUR CORNERS HANKS 2 PIPELINE RELEASE NW¼ NW¼, SECTION 6, T27N, R9W SAN JUAN COUNTY, NEW MEXICO N36.60968, W107.83648</p>
	<p><b>REVISIONS BY:</b> C. Lameman</p>	<p><b>DATE REVISED:</b> September 14, 2020</p>	
	<p><b>CHECKED BY:</b> E. McNally</p>	<p><b>DATE CHECKED:</b> September 14, 2020</p>	
	<p><b>APPROVED BY:</b> E. McNally</p>	<p><b>DATE APPROVED:</b> September 14, 2020</p>	

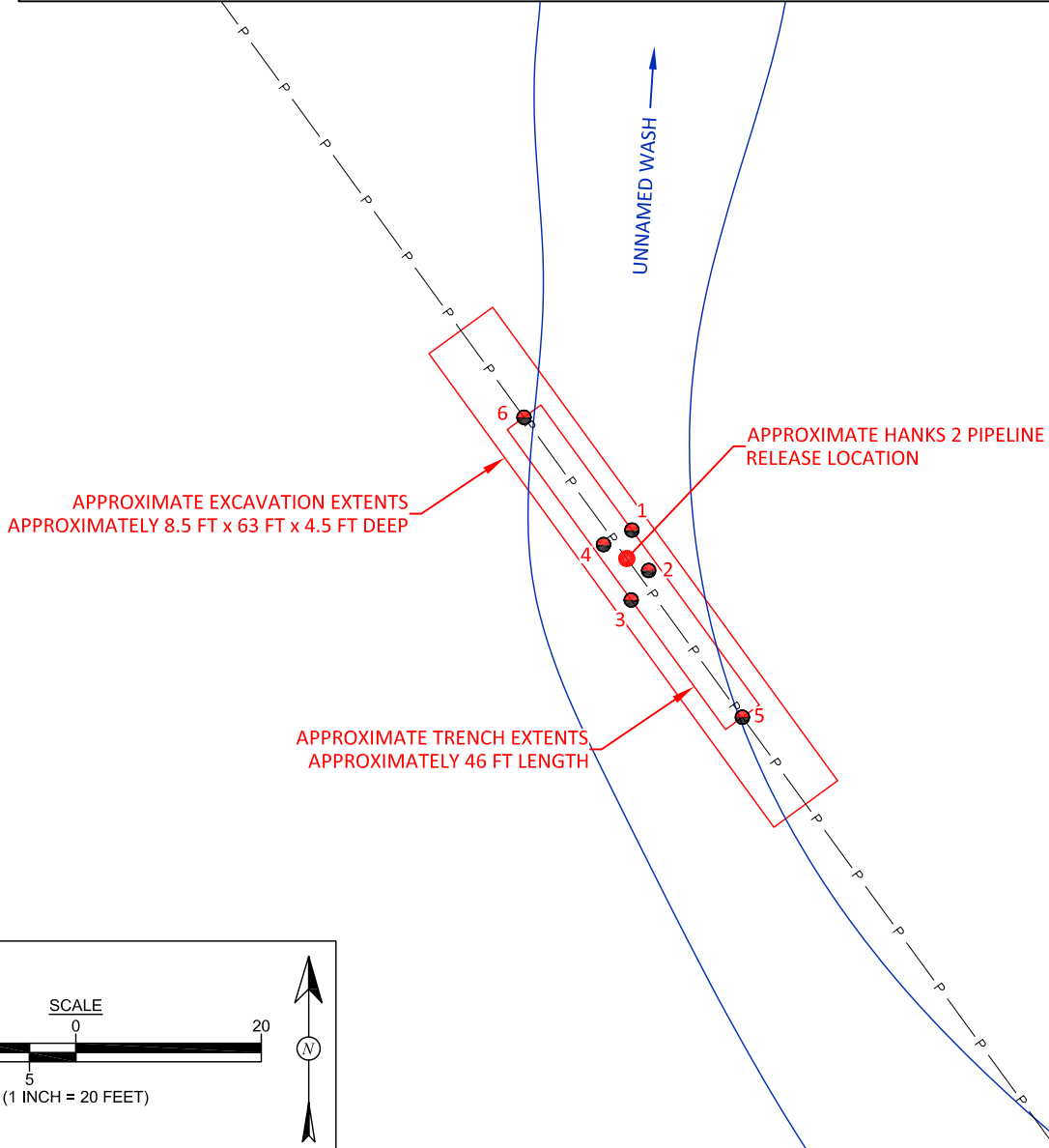


**LEGEND**

- SAMPLE LOCATIONS
- P — APPROXIMATE BURIED PIPELINE

Laboratory Analytical Results								
Number	Lab Sample ID	Date	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
1	Hanks 2 North Wall	10/1/20	<0.021	<0.190	<4.2	<9.9	<49	<60
2	Hanks #2 North Bottom #2	10/5/20	<0.089	<0.809	<18	20	<49	<60
3	Hanks 2 South Wall	10/1/20	<0.098	<0.888	<20	<9.3	<47	<60
4	Hanks 2 South Bottom	10/1/20	<0.021	<0.185	<4.1	<9.6	<48	<60
5	Hanks 2 East Wall	10/1/20	<0.018	<0.161	<3.6	<9.5	<48	<60
6	Hanks 2 West Wall	10/1/20	<0.020	<0.180	<4.0	<8.6	<43	<60

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8260B, 8015D AND 300.0.  
 ALL SAMPLES WERE COLLECTED BY HARVEST MIDSTREAM.



**SCALE**

20 10 0 20

5

(1 INCH = 20 FEET)

N

<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> October 13, 2020
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> October 13, 2020
<b>CHECKED BY:</b> D. Reese	<b>DATE CHECKED:</b> October 13, 2020
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> October 13, 2020

**FIGURE 3**

**EXCAVATION AREA MAP AND SOIL SAMPLE LOCATIONS**

HARVEST FOUR CORNERS  
 HANKS 2 PIPELINE RELEASE  
 NW¼ NW¼, SECTION 6, T27N, R9W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.60968, W107.83648

**animas environmental services**

Farmington, NM • Durango, CO  
 animasenvironmental.com

**Hanks 2**  
**NMOCD Incident No. NRM2027337168**  
**Pipeline Excavation Clearance**



Photo 1: Excavated pipeline.



Photo 2: Hole in now-repaired pipeline.

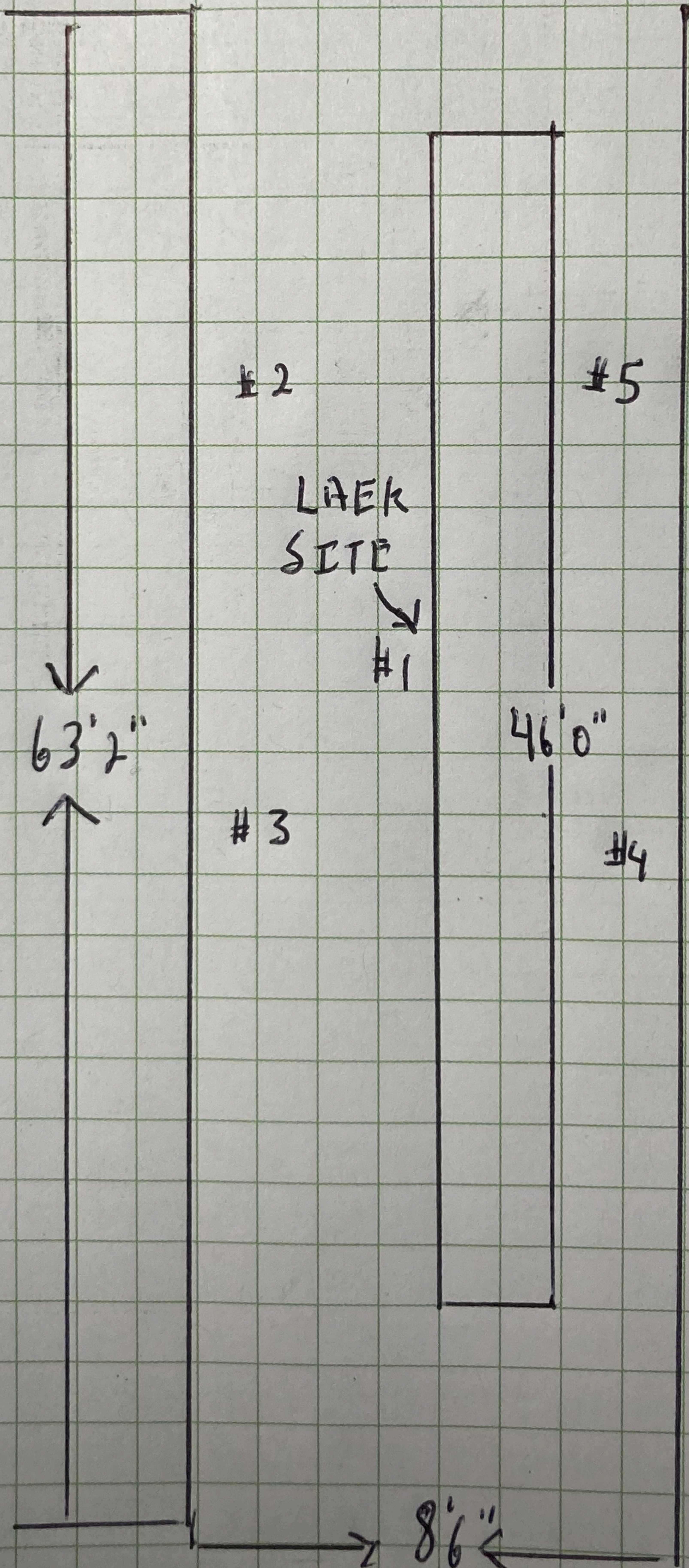


HANK 2 LINE LEAK  
RR5200813A

SAMPLES 1-5 COMPOSITE

BNZ VOC  
80.24 1106.92

DITCH DEPTH  
4'6"







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

October 06, 2020

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Hanks #2

OrderNo.: 2010109

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/2/2020 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report**

Lab Order **2010109**

Date Reported: **10/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Hanks 2 North Wall

**Project:** Hanks #2

**Collection Date:** 10/1/2020 12:40:00 PM

**Lab ID:** 2010109-001

**Matrix:** SOIL

**Received Date:** 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 11:32:13 AM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/2/2020 9:12:07 AM	55609
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/2/2020 9:12:07 AM	55609
Surr: DNOP	104	30.4-154		%Rec	1	10/2/2020 9:12:07 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	10/2/2020 10:44:38 AM	R72336
Surr: BFB	85.8	75.3-105		%Rec	1	10/2/2020 10:44:38 AM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.021		mg/Kg	1	10/2/2020 10:44:38 AM	BS72336
Toluene	ND	0.042		mg/Kg	1	10/2/2020 10:44:38 AM	BS72336
Ethylbenzene	ND	0.042		mg/Kg	1	10/2/2020 10:44:38 AM	BS72336
Xylenes, Total	ND	0.085		mg/Kg	1	10/2/2020 10:44:38 AM	BS72336
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	10/2/2020 10:44:38 AM	BS72336

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



## Analytical Report

Lab Order 2010109

Date Reported: 10/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Hanks 2 North Bottom

Project: Hanks #2

Collection Date: 10/1/2020 12:50:00 PM

Lab ID: 2010109-002

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 11:44:38 AM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	72	10		mg/Kg	1	10/2/2020 9:35:56 AM	55609
Motor Oil Range Organics (MRO)	120	50		mg/Kg	1	10/2/2020 9:35:56 AM	55609
Surr: DNOP	111	30.4-154		%Rec	1	10/2/2020 9:35:56 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	21	18		mg/Kg	5	10/2/2020 11:07:59 AM	R72336
Surr: BFB	127	75.3-105	S	%Rec	5	10/2/2020 11:07:59 AM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.091		mg/Kg	5	10/2/2020 11:07:59 AM	BS72336
Toluene	ND	0.18		mg/Kg	5	10/2/2020 11:07:59 AM	BS72336
Ethylbenzene	ND	0.18		mg/Kg	5	10/2/2020 11:07:59 AM	BS72336
Xylenes, Total	ND	0.36		mg/Kg	5	10/2/2020 11:07:59 AM	BS72336
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	5	10/2/2020 11:07:59 AM	BS72336

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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

## Analytical Report

Lab Order 2010109

Date Reported: 10/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Hanks 2 South Wall

Project: Hanks #2

Collection Date: 10/1/2020 1:00:00 PM

Lab ID: 2010109-003

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 11:57:03 AM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/2/2020 9:59:47 AM	55609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/2/2020 9:59:47 AM	55609
Surr: DNOP	109	30.4-154		%Rec	1	10/2/2020 9:59:47 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	10/2/2020 11:31:20 AM	R72336
Surr: BFB	90.2	75.3-105		%Rec	5	10/2/2020 11:31:20 AM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.098		mg/Kg	5	10/2/2020 11:31:20 AM	BS72336
Toluene	ND	0.20		mg/Kg	5	10/2/2020 11:31:20 AM	BS72336
Ethylbenzene	ND	0.20		mg/Kg	5	10/2/2020 11:31:20 AM	BS72336
Xylenes, Total	ND	0.39		mg/Kg	5	10/2/2020 11:31:20 AM	BS72336
Surr: 4-Bromofluorobenzene	104	80-120		%Rec	5	10/2/2020 11:31:20 AM	BS72336

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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2010109**

Date Reported: **10/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Hanks 2 South Bottom

**Project:** Hanks #2

**Collection Date:** 10/1/2020 1:10:00 PM

**Lab ID:** 2010109-004

**Matrix:** SOIL

**Received Date:** 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 12:09:27 PM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/2/2020 9:07:05 AM	55609
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/2/2020 9:07:05 AM	55609
Surr: DNOP	94.6	30.4-154		%Rec	1	10/2/2020 9:07:05 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	10/2/2020 11:54:43 AM	R72336
Surr: BFB	89.2	75.3-105		%Rec	1	10/2/2020 11:54:43 AM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.021		mg/Kg	1	10/2/2020 11:54:43 AM	BS72336
Toluene	ND	0.041		mg/Kg	1	10/2/2020 11:54:43 AM	BS72336
Ethylbenzene	ND	0.041		mg/Kg	1	10/2/2020 11:54:43 AM	BS72336
Xylenes, Total	ND	0.082		mg/Kg	1	10/2/2020 11:54:43 AM	BS72336
Surr: 4-Bromofluorobenzene	102	80-120		%Rec	1	10/2/2020 11:54:43 AM	BS72336

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2010109**

Date Reported: **10/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Hanks 2 East Wall

**Project:** Hanks #2

**Collection Date:** 10/1/2020 1:20:00 AM

**Lab ID:** 2010109-005

**Matrix:** SOIL

**Received Date:** 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 12:21:51 PM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/2/2020 9:30:28 AM	55609
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/2/2020 9:30:28 AM	55609
Surr: DNOP	95.0	30.4-154		%Rec	1	10/2/2020 9:30:28 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	10/2/2020 12:18:11 PM	R72336
Surr: BFB	85.3	75.3-105		%Rec	1	10/2/2020 12:18:11 PM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.018		mg/Kg	1	10/2/2020 12:18:11 PM	BS72336
Toluene	ND	0.036		mg/Kg	1	10/2/2020 12:18:11 PM	BS72336
Ethylbenzene	ND	0.036		mg/Kg	1	10/2/2020 12:18:11 PM	BS72336
Xylenes, Total	ND	0.071		mg/Kg	1	10/2/2020 12:18:11 PM	BS72336
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	10/2/2020 12:18:11 PM	BS72336

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

**Analytical Report**

Lab Order **2010109**

Date Reported: **10/6/2020**

**Hall Environmental Analysis Laboratory, Inc.**

**CLIENT:** Harvest

**Client Sample ID:** Hanks 2 West Wall

**Project:** Hanks #2

**Collection Date:** 10/1/2020 1:30:00 PM

**Lab ID:** 2010109-006

**Matrix:** SOIL

**Received Date:** 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/2/2020 12:34:15 PM	55613
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	10/2/2020 9:53:50 AM	55609
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	10/2/2020 9:53:50 AM	55609
Surr: DNOP	94.8	30.4-154		%Rec	1	10/2/2020 9:53:50 AM	55609
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	10/2/2020 12:41:45 PM	R72336
Surr: BFB	87.4	75.3-105		%Rec	1	10/2/2020 12:41:45 PM	R72336
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.020		mg/Kg	1	10/2/2020 12:41:45 PM	BS72336
Toluene	ND	0.040		mg/Kg	1	10/2/2020 12:41:45 PM	BS72336
Ethylbenzene	ND	0.040		mg/Kg	1	10/2/2020 12:41:45 PM	BS72336
Xylenes, Total	ND	0.080		mg/Kg	1	10/2/2020 12:41:45 PM	BS72336
Surr: 4-Bromofluorobenzene	107	80-120		%Rec	1	10/2/2020 12:41:45 PM	BS72336

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

<b>Qualifiers:</b>	*	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 Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		



**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010109

06-Oct-20

**Client:** Harvest  
**Project:** Hanks #2

Sample ID: <b>LCS-55609</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55609</b>	RunNo: <b>72343</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537274</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.4	70	130			
Surr: DNOP	4.7		5.000		94.4	30.4	154			

Sample ID: <b>MB-55609</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55609</b>	RunNo: <b>72343</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537275</b>	Units: <b>mg/Kg</b>							
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	11		10.00		105	30.4	154			

Sample ID: <b>2010109-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>Hanks 2 North Wall</b>	Batch ID: <b>55609</b>	RunNo: <b>72343</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537575</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	35	8.5	42.44	0	82.8	15	184			
Surr: DNOP	4.0		4.244		95.1	30.4	154			

Sample ID: <b>2010109-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>Hanks 2 North Wall</b>	Batch ID: <b>55609</b>	RunNo: <b>72343</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537576</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.5	47.62	0	90.8	15	184	20.7	23.9	
Surr: DNOP	4.7		4.762		99.7	30.4	154	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 Quantitative 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#: 2010109

06-Oct-20

**Client:** Harvest  
**Project:** Hanks #2

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>R72336</b>		RunNo: <b>72336</b>							
Prep Date:	Analysis Date: <b>10/2/2020</b>		SeqNo: <b>2537634</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	72.5	106			
Surr: BFB	1000		1000		100	75.3	105			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>R72336</b>		RunNo: <b>72336</b>							
Prep Date:	Analysis Date: <b>10/2/2020</b>		SeqNo: <b>2537641</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	75.3	105			

Sample ID: <b>2010109-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>Hanks 2 North Wall</b>	Batch ID: <b>R72336</b>		RunNo: <b>72336</b>							
Prep Date:	Analysis Date: <b>10/2/2020</b>		SeqNo: <b>2538215</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.2	21.13	0	87.9	61.3	114			
Surr: BFB	850		845.3		101	75.3	105			

Sample ID: <b>2010109-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>Hanks 2 North Wall</b>	Batch ID: <b>R72336</b>		RunNo: <b>72336</b>							
Prep Date:	Analysis Date: <b>10/2/2020</b>		SeqNo: <b>2538216</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	4.2	21.13	0	87.0	61.3	114	1.10	20	
Surr: BFB	860		845.3		102	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 Quantitative 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#: 2010109

06-Oct-20

**Client:** Harvest  
**Project:** Hanks #2

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>BS72336</b>	RunNo: <b>72336</b>								
Prep Date:	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537643</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.3	80	120			
Toluene	0.98	0.050	1.000	0	98.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>BS72336</b>	RunNo: <b>72336</b>								
Prep Date:	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2537650</b>	Units: <b>mg/Kg</b>							
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	1.2		1.000		118	80	120			

Sample ID: <b>2010109-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Hanks 2 North Botto</b>	Batch ID: <b>BS72336</b>	RunNo: <b>72336</b>								
Prep Date:	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2538242</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.5	0.091	3.642	0	96.2	76.3	120			
Toluene	3.7	0.18	3.642	0.04770	102	78.5	120			
Ethylbenzene	3.8	0.18	3.642	0.07501	103	78.1	124			
Xylenes, Total	12	0.36	10.92	0.2899	104	79.3	125			
Surr: 4-Bromofluorobenzene	4.0		3.642		111	80	120			

Sample ID: <b>2010109-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Hanks 2 North Botto</b>	Batch ID: <b>BS72336</b>	RunNo: <b>72336</b>								
Prep Date:	Analysis Date: <b>10/2/2020</b>	SeqNo: <b>2538243</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.5	0.091	3.642	0	96.9	76.3	120	0.704	20	
Toluene	3.7	0.18	3.642	0.04770	101	78.5	120	0.546	20	
Ethylbenzene	3.8	0.18	3.642	0.07501	103	78.1	124	0.171	20	
Xylenes, Total	12	0.36	10.92	0.2899	104	79.3	125	0.0903	20	
Surr: 4-Bromofluorobenzene	4.2		3.642		116	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 Quantitative 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
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: 2010109 RcptNo: 1

Received By: Cheyenne Cason 10/2/2020 8:00:00 AM
Completed By: Juan Rojas 10/2/2020 8:08:44 AM
Reviewed By: [Signature] 10/2/20

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [ ] Not Present [ ]
2. How was the sample delivered? Courier

Log In

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

# of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: JR 10/2/20

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [ ] No [ ] NA [checked]

Person Notified: [ ] Date [ ]
By Whom: [ ] Via: [ ] eMail [ ] Phone [ ] Fax [ ] In Person [ ]
Regarding: [ ]
Client Instructions: [ ]

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.3, Good, [ ], [ ], [ ], [ ]



# Chain-of-Custody Record

Client: Harvest midstream

Mailing Address: 1755-4400 DR

Bloom Field Nm 87413

Phone #: 505-632-4475

email or Fax#: K Hong @ Harvestmidstream.com

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

Accreditation  NELAP  Other \_\_\_\_\_

EDD (Type) \_\_\_\_\_

Turn-Around Time: Same Day

Standard  Rush 10-2-20

Project Name: Hawks #2

Project #:

Project Manager: K. JUN HONG

Sampler: Morgan K. Kilion

On Ice:  Yes  No

Sample Temperature: 4.4-0.1=4.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	chloride	Air Bubbles (Y or N)
12/1/20	12:40	Soil	Hawks #2 North wall	1-402	Cool	-001	X	X	X									X	
12/1/20	12:50	Soil	Hawks #2 North Bottom	1-402		-002	X	X	X									X	
12/1/20	1:00	Soil	Hawks #2 South	1-402		-003	X	X	X									X	
12/1/20	1:10	Soil	Hawks #2 South Bottom	1-402		-004	X	X	X									X	
12/1/20	1:20	Soil	Hawks #2 East Wall	1-402		-005	X	X	X									X	
12/1/20	1:30	Soil	Hawks #2 West Wall	1-402		-006	X	X	X									X	

Date: 12/1/20 Time: 15:14 Relinquished by: Morgan K. Kilion

Received by: Morgan K. Kilion Date: 12/1/20 Time: 15:14

Remarks: Morgan K. Kilion @ Yahoo.com

Received by CDC, 10/15/2020 1:54:54 PM

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.



Analysis Request





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

October 07, 2020

Kijun Hong

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX

RE: Hanks 2

OrderNo.: 2010212

Dear Kijun Hong:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/6/2020 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](http://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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2010212

Date Reported: 10/7/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Hanks #2 North Bottom #2

Project: Hanks 2

Collection Date: 10/5/2020 1:15:00 PM

Lab ID: 2010212-001

Matrix: MEOH (SOIL)

Received Date: 10/6/2020 8:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	10/6/2020 11:25:41 AM	55664
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	20	9.8		mg/Kg	1	10/6/2020 9:55:49 AM	55660
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/6/2020 9:55:49 AM	55660
Surr: DNOP	107	30.4-154		%Rec	1	10/6/2020 9:55:49 AM	55660
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	10/6/2020 9:38:58 AM	G72412
Surr: BFB	88.0	75.3-105		%Rec	5	10/6/2020 9:38:58 AM	G72412
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.089		mg/Kg	5	10/6/2020 9:38:58 AM	B72412
Toluene	ND	0.18		mg/Kg	5	10/6/2020 9:38:58 AM	B72412
Ethylbenzene	ND	0.18		mg/Kg	5	10/6/2020 9:38:58 AM	B72412
Xylenes, Total	ND	0.36		mg/Kg	5	10/6/2020 9:38:58 AM	B72412
Surr: 4-Bromofluorobenzene	98.6	80-120		%Rec	5	10/6/2020 9:38:58 AM	B72412

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 Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2010212

07-Oct-20

**Client:** Harvest**Project:** Hanks 2

Sample ID: <b>MB-55664</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55664</b>	RunNo: <b>72421</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2542585</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-55664</b>	SampType: <b>ics</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55664</b>	RunNo: <b>72421</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2542586</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.5	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 Quantitative 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#: 2010212

07-Oct-20

Client: Harvest

Project: Hanks 2

Sample ID: <b>LCS-55660</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55660</b>	RunNo: <b>72414</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2540357</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.5	70	130			
Surr: DNOP	4.8		5.000		95.5	30.4	154			

Sample ID: <b>MB-55660</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55660</b>	RunNo: <b>72414</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2540358</b>	Units: <b>mg/Kg</b>							
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	11		10.00		106	30.4	154			

Sample ID: <b>2010212-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>55660</b>	RunNo: <b>72414</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2542369</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.1	45.54	20.31	74.0	15	184			
Surr: DNOP	4.7		4.554		103	30.4	154			

Sample ID: <b>2010212-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>55660</b>	RunNo: <b>72414</b>								
Prep Date: <b>10/6/2020</b>	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2542370</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	8.7	43.63	20.31	74.3	15	184	2.45	23.9	
Surr: DNOP	4.5		4.363		103	30.4	154	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 Quantitative 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#: 2010212

07-Oct-20

Client: Harvest

Project: Hanks 2

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G72412</b>		RunNo: <b>72412</b>							
Prep Date:	Analysis Date: <b>10/6/2020</b>		SeqNo: <b>2541949</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	800		1000		79.9	75.3	105			

Sample ID: <b>2.5ug gro lcsb</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G72412</b>		RunNo: <b>72412</b>							
Prep Date:	Analysis Date: <b>10/6/2020</b>		SeqNo: <b>2541950</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	83.7	72.5	106			
Surr: BFB	990		1000		98.5	75.3	105			

Sample ID: <b>2010212-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>G72412</b>		RunNo: <b>72412</b>							
Prep Date:	Analysis Date: <b>10/6/2020</b>		SeqNo: <b>2541951</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	75	18	89.10	0	84.7	61.3	114			
Surr: BFB	3500		3564		96.8	75.3	105			

Sample ID: <b>2010212-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>G72412</b>		RunNo: <b>72412</b>							
Prep Date:	Analysis Date: <b>10/6/2020</b>		SeqNo: <b>2541952</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	77	18	89.10	0	86.5	61.3	114	2.10	20	
Surr: BFB	3800		3564		107	75.3	105	0	0	S

**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 Quantitative 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#: 2010212

07-Oct-20

Client: Harvest

Project: Hanks 2

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>B72412</b>	RunNo: <b>72412</b>								
Prep Date:	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2541955</b>	Units: <b>mg/Kg</b>							
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	0.99		1.000		99.3	80	120			

Sample ID: <b>2010212-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>B72412</b>	RunNo: <b>72412</b>								
Prep Date:	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2541957</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.3	0.089	3.564	0	91.9	76.3	120			
Toluene	3.4	0.18	3.564	0	96.6	78.5	120			
Ethylbenzene	3.5	0.18	3.564	0	98.3	78.1	124			
Xylenes, Total	11	0.36	10.69	0.08482	97.5	79.3	125			
Surr: 4-Bromofluorobenzene	3.7		3.564		104	80	120			

Sample ID: <b>2010212-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Hanks #2 North Bott</b>	Batch ID: <b>B72412</b>	RunNo: <b>72412</b>								
Prep Date:	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2541958</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	3.2	0.089	3.564	0	91.1	76.3	120	0.852	20	
Toluene	3.5	0.18	3.564	0	96.9	78.5	120	0.289	20	
Ethylbenzene	3.5	0.18	3.564	0	99.6	78.1	124	1.29	20	
Xylenes, Total	11	0.36	10.69	0.08482	99.2	79.3	125	1.75	20	
Surr: 4-Bromofluorobenzene	3.7		3.564		105	80	120	0	0	

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>B72412</b>	RunNo: <b>72412</b>								
Prep Date:	Analysis Date: <b>10/6/2020</b>	SeqNo: <b>2541959</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.5	80	120			
Toluene	0.88	0.050	1.000	0	88.4	80	120			
Ethylbenzene	0.89	0.050	1.000	0	88.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120			

**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 Quantitative 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









**NMOCD Site Assessment/Characterization, Remediation & Closure**

Site Name:	Hanks 2 Pipeline
API #:	not applicable
Lat/Long:	N36.60968 W107.83648
TRS:	NW/NW-6-27N-9W
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)**

release location is within a wash tributary to Armenta Canyon Wash, which flows to San Juan River

**Depth to Groundwater Determination (NMAC 19.15.29.11A.2)**

Cathodic Report/Site Specific Hydrogeology	none available
Elevation Differential	release location is within 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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of an occupied permanent residence, school, hospital, institution or church	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<1000' of any water well or spring	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within incorporated municipal boundaries or within a defined municipal fresh water well field	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<300' of a wetland	<input checked="" type="checkbox"/>	<input type="checkbox"/>
within the area overlying a subsurface mine	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within an unstable area	<input type="checkbox"/>	<input checked="" type="checkbox"/>
within a 100-year floodplain	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Explain any 'Yes' Marks:**

Release location is within a wash that is a tributary of Armenta Canyon Wash. Designated as a wetland by Nat. Wetlands Inventory. Also, not shown as within a 100-year floodplain despite being located within a wash.

Actual Depth to Groundwater is:	≤50 <input checked="" type="checkbox"/>	50-100 <input type="checkbox"/>	>100 <input type="checkbox"/>
*Treat Depth to Groundwater as if it's ≤ 50 ft?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
	≤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.



# Active & Inactive Points of Diversion

(with Ownership Information)

---

No PODs found.

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 246307

**Northing (Y):** 4055322

**Radius:** 805

---

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

---





**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

**OTHER AREAS**

- NO SCREEN Area of Minimal Flood Hazard Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard Zone D
- Otherwise Protected Area
- Coastal Barrier Resource System 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**

- Cross Sections with 1% Annual Chance 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



BASEMAPS >

MAP LAYERS >

- Wetlands 📍 🔍
- Riparian 📍 🔍
- Riparian Mapping Areas 📍 🔍
- Data Source 📍 🔍
  - Source Type
  - Image Scale
  - Image Year
- Areas of Interest 🔍
- FWS Managed Lands 📍 🔍
- Historic Wetland Data 📍 🔍

Map navigation controls including zoom in (+), zoom out (-), Measure, Refresh, and Home icons.



LEGEND

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

1:9,028  
36.614 | -107.836



**From:** [Karen Lupton](#)  
**To:** [Cory Smith \(cory.smith@state.nm.us\)](#)  
**Cc:** [aadeloye@blm.gov](#); [Kijun Hong](#); [morgankillion@yahoo.com](#); [Elizabeth McNally \(emcnally@animasenvironmental.com\)](#); [David Reese \(dreese@animasenvironmental.com\)](#)  
**Subject:** Sampling Notification for Harvest Midstream Hanks 2  
**Date:** Tuesday, September 29, 2020 12:30:00 PM

---

Hello All:

This notification is for sampling at the Harvest Hanks 2 site. Sampling is scheduled for Thursday, October 1<sup>st</sup> at 12:30PM. Morgan Killion will be onsite to pull samples.

Animas Environmental Services apologizes for the oversight on the first notification and has taken measures to ensure that all appropriate parties are notified in a timely manner going forward.

Please do not hesitate to reach out with any questions or concerns.

Thank you,

Karen Lupton  
Director of Operations  
[klupton@animasenvironmental.com](mailto:klupton@animasenvironmental.com)  
Animas Environmental Services, LLC  
[www.animasenvironmental.com](http://www.animasenvironmental.com)  
624 E Comanche, Farmington, NM 87401  
P.O. Box 8, Farmington, NM 87499-0008  
(Tel) 505.564.2281