

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	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Harvest Midstream Company	OGRID 373888
Contact Name Monica Smith	Contact Telephone 505-632-4625
Contact email msmith@harvestmidstream.com	Incident # (assigned by OCD)
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	

### Location of Release Source

Latitude 36.82416 Longitude -107.75527  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Florance 18R Pipeline	Site Type Natural Gas Pipeline
Date Release Discovered 8/14/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	11	30N	9W	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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 3.80	Volume Recovered (Mcf) no liquids
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Due to suspected line leak, Harvest employee walked out section of line with gas detector and received a couple small LEL readings. Blocked line in and depressurized. During repairs, historic soil contamination was discovered beneath impacted vegetation.

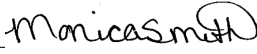
Leak was below-ground and has been repaired.

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  due to vegetation impacts: 19.15.29.7(A)(2d)
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was provided on by Monica Smith to Cory Smith on September 4, 2019, via email.	

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  No free liquids to remove. Soil samples were collected from the excavation base and sidewalls and submitted for laboratory analysis. Results were all below laboratory detection limits. Lab results are attached.
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: <u>Monica Smith</u> Title: <u>Environmental Specialist</u> Signature: <u></u> Date: <u>10/1/2020</u> email: <u>msmith@harvestmidstream.com</u> Telephone: <u>505-632-4625</u>
<b><u>OCD Only</u></b>  Received by: _____ Date: _____

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## 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?	> 100 (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 type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" 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
- ☐ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-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

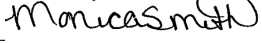
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform 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: Monica Smith

Title: Environmental Specialist

Signature:  Date: 10/1/2020

email: msmith@harvestmidstream.com

Telephone: 505-632-4625

**OCD Only**

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



Incident ID	
District RP	
Facility ID	
Application ID	

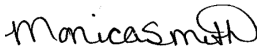
## Closure

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: Monica Smith Title: Environmental Specialist  
Signature:  Date: 10/1/2020  
email: msmith@harvestmidstream.com Telephone: 505-632-4625

**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:  Date: 06/13/2022  
Printed Name: Nelson Velez Title: Environmental Specialist – Adv



September 25, 2020

Cory Smith  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos  
Aztec, New Mexico 87410

**RE: CLOSURE REPORT**  
**Florance 18R Pipeline Excavation Clearance**  
**NE¼ SE¼, Section 11, T30N, R9W**  
**San Juan County, New Mexico**

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed confirmation sampling of the excavated areas at the Harvest Florance 18R Pipeline historic release location in August 2020. The release, consisting of 3.80 Mcf of natural gas (no liquids) in addition to an unknown quantity of historic losses, was confirmed at the location on August 14, 2020. The presence of substantial dead vegetation constitutes it as a major release under New Mexico Oil Conservation Division (NMOCD) regulations. 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.

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## 1.0 Site Information

### 1.1 Location

Site Name – Florance 18R Pipeline  
Legal Description – NE¼ SE¼, Section 11, T30N, R9W, San Juan County, New Mexico  
Release Latitude/Longitude – N36.823825, W107.755538, respectively  
Land Jurisdiction – Bureau of Land Management  
Figure 1. Topographic Site Location Map  
Figure 2. Aerial Site Location Map

### 1.2 Release Information 2020

On August 14, 2020, Enterprise personnel called in a possible line leak due to a large size of dead vegetation. This qualifies it as a major release due to substantial impacts to the environment. After confirming a leak,

624 E Comanche St.  
Farmington, NM 87401  
505-564-2281  
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## Florance 18R Pipeline Excavation Clearance Report

September 25, 2020

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the line was blocked in and depressurized. Gas loss was reported at 3.80 Mcf with no liquids. On August 19, 2020, Harvest personnel dug out the 4-inch pipeline and discovered a 1/4-inch x 1/8-inch hole present. Soil staining and an odor were present. Approximately 84 ft of pipe was replaced and 500 to 600 yards of historic contaminated soil were excavated. Line repairs are complete. Cory Smith of NMOCD was informed of the release on September 4, 2020, via email.

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## 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:** Depth to water at SJ 04050, a domestic water well located 0.47 miles southwest of the location, reported a depth to water of 240 ft below ground surface (bgs). Depth to groundwater at the Florance 18R is determined to be greater than 100 ft bgs.
- **Sensitive Receptor Determination:** The release site is not located within the sensitive receptor areas listed at NMAC 19.15.29.12C.4.

**NMOCD Action levels are:**

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 1,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO) and 2,500 mg/kg as GRO/DRO and motor oil range organics (MRO);
- 20,000 mg/kg chloride.

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## 3.0 Soil Sampling

Initial soil samples were collected by Harvest on September 2, 2020. However, because of the presence of damage to the environment in the form of substantial dead vegetation, which qualified the release as “major”, soil confirmation samples were collected under oversight of NMOCD and Harvest on September 9, 2020. Notification of soil confirmation sampling was made to NMOCD on September 4, 2020. Soil confirmation sampling activities included collection of 11 confirmation soil samples from the walls and base of the excavation. Sample locations are presented on Figure 3, and project notification is attached.

Florance 18R Pipeline Excavation Clearance Report

September 25, 2020

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### 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; and
- TPH as GRO, DRO, MRO per USEPA Method 8015M/D.

In addition, all confirmation soil samples were analyzed for:

- Chlorides per USEPA Method 300.0.

### 3.2 Laboratory Analytical Results

All laboratory analytical results for the soil samples were below laboratory detection limits and applicable action levels for benzene, total BTEX, TPH (as GRO, DRO, and MRO), and chlorides. The laboratory analytical reports are attached.

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## 4.0 Conclusions

Harvest completed excavation and final clearance of natural gas contamination at the Florance 18R 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. The excavation has been backfilled with clean soil. 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 Karen Lupton or Elizabeth McNally at (505) 564-2281.

Sincerely,



David J. Reese  
Environmental Scientist



Elizabeth McNally, P.E.

Florance 18R Pipeline Excavation Clearance Report

September 25, 2020

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**Attachments:**

Figure 1. Topographic Site Location Map

Figure 2. Aerial Site Location Map

Figure 3. Excavation Area and Soil Sample Locations

Photograph Log

Hall Analytical Reports 2009209 and 2009555

NMOCD Site Assessment/Characterization Determination

Sampling Notification

Cc:

Monica Smith

Harvest Midstream Company

1755 Arroyo Dr.

Bloomfield, New Mexico 87413

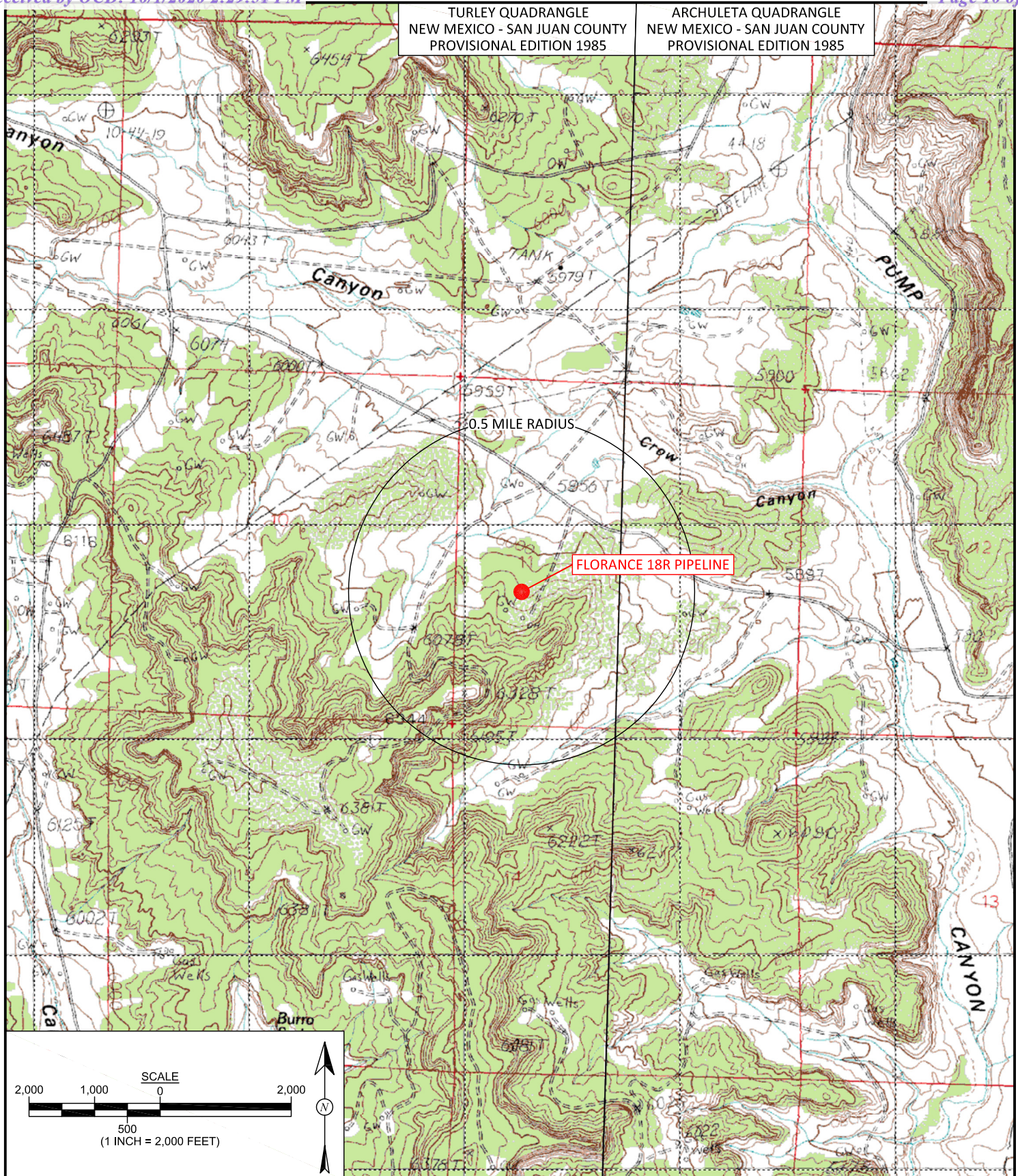
Email: [msmith@harvestmidstream.com](mailto:msmith@harvestmidstream.com)

<https://animasenvironmental.sharepoint.com/sites/HarvestMidstream/Shared Documents/Florance 18R/Reports/Florance 18R Pipeline Exc Clearance Report 092520.docx>



TURLEY QUADRANGLE  
NEW MEXICO - SAN JUAN COUNTY  
PROVISIONAL EDITION 1985

ARCHULETA QUADRANGLE  
NEW MEXICO - SAN JUAN COUNTY  
PROVISIONAL EDITION 1985



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**DRAWN BY:**

C. Lameman

**DATE DRAWN:**

September 28, 2020

**REVISIONS BY:**

C. Lameman

**DATE REVISED:**

September 28, 2020

**CHECKED BY:**

E. McNally

**DATE CHECKED:**

September 28, 2020

**APPROVED BY:**

E. McNally

**DATE APPROVED:**

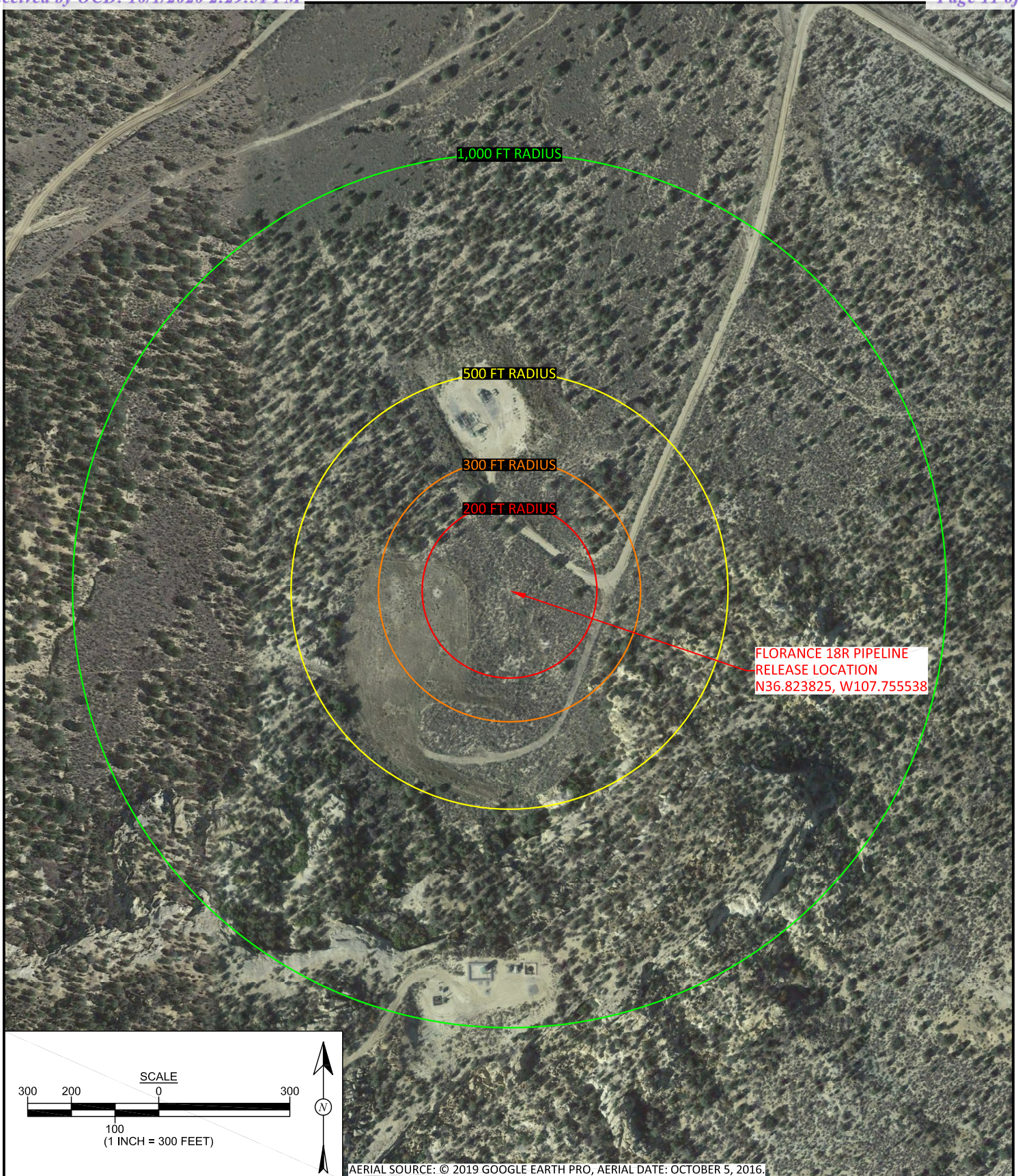
September 28, 2020

## FIGURE 1

### TOPOGRAPHIC SITE LOCATION MAP

HARVEST MIDSTREAM  
FLORANCE 18R PIPELINE  
NW¼ SW¼, SECTION 11, T30N, R9W  
SAN JUAN COUNTY, NEW MEXICO  
N36.823825, W107.755538





AERIAL SOURCE: © 2019 GOOGLE EARTH PRO, AERIAL DATE: OCTOBER 5, 2016.



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<b>DRAWN BY:</b> C. Lameman	<b>DATE DRAWN:</b> September 28, 2020
<b>REVISIONS BY:</b> C. Lameman	<b>DATE REVISED:</b> September 28, 2020
<b>CHECKED BY:</b> E. McNally	<b>DATE CHECKED:</b> September 28, 2020
<b>APPROVED BY:</b> E. McNally	<b>DATE APPROVED:</b> September 28, 2020

## FIGURE 2

**AERIAL SITE MAP**  
HARVEST MIDSTREAM  
FLORANCE 18R PIPELINE  
NW¼ SW¼, SECTION 11, T30N, R9W  
SAN JUAN COUNTY, NEW MEXICO  
N36.823825, W107.755538



**LEGEND**

● SAMPLE LOCATIONS  
 — P — APPROXIMATE BURIED PIPELINE

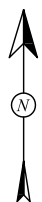
**Field Sampling Locations**

Number	Lab Sample ID
1	North east wall
2	East wall south end
3	North Wall
4	West wall north end
5	West wall south end
6	South wall west end
7	South wall east end
8	South bottom east side
9	West bottom
10	North bottom
11	East side bottom

All samples were composite samples.



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



**DRAWN BY:**  
 C. Lameman

**DATE DRAWN:**  
 September 28, 2020

**REVISIONS BY:**  
 C. Lameman

**DATE REVISED:**  
 September 28, 2020

**CHECKED BY:**  
 E. McNally

**DATE CHECKED:**  
 September 28, 2020

**APPROVED BY:**  
 E. McNally

**DATE APPROVED:**  
 September 28, 2020

**FIGURE 3**

**EXCAVATION AREA MAP  
 AND SOIL SAMPLE LOCATIONS**  
 HARVEST MIDSTREAM  
 FLORANCE 18R PIPELINE  
 NW¼ SW¼, SECTION 11, T30N, R9W  
 SAN JUAN COUNTY, NEW MEXICO  
 N36.823825, W107.755538



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**Florance 18R  
Pipeline Excavation Clearance**



Photo 1: Excavation Around 4-Inch Pipe.



Photo 2: Hole in 4-inch pipe.

**Florance 18R  
Pipeline Excavation Clearance**



**Photo 3: Site after final backfill.**



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)

September 11, 2020

Monica Smith

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Florance 18R

OrderNo.: 2009209

Dear Monica Smith:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/3/2020 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".

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109



## Analytical Report

Lab Order 2009209

Date Reported: 9/11/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Florance 18R

Project: Florance 18R

Collection Date: 9/2/2020 2:00:00 PM

Lab ID: 2009209-001

Matrix: MEOH (SOIL)

Received Date: 9/3/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/3/2020 10:20:04 AM	54917
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/3/2020 10:20:04 AM	54917
Surr: DNOP	75.9	30.4-154		%Rec	1	9/3/2020 10:20:04 AM	54917
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	9/3/2020 9:50:43 AM	R71590
Surr: BFB	93.5	75.3-105		%Rec	1	9/3/2020 9:50:43 AM	R71590
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.016		mg/Kg	1	9/3/2020 9:50:43 AM	BS71590
Toluene	ND	0.032		mg/Kg	1	9/3/2020 9:50:43 AM	BS71590
Ethylbenzene	ND	0.032		mg/Kg	1	9/3/2020 9:50:43 AM	BS71590
Xylenes, Total	ND	0.063		mg/Kg	1	9/3/2020 9:50:43 AM	BS71590
Surr: 4-Bromofluorobenzene	97.2	80-120		%Rec	1	9/3/2020 9:50:43 AM	BS71590

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		

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

WO#: 2009209

11-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

Sample ID: <b>LCS-54917</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>54917</b>			RunNo: <b>71591</b>						
Prep Date: <b>9/3/2020</b>	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2501940</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	70	130			
Surr: DNOP	4.9		5.000		97.5	30.4	154			

Sample ID: <b>MB-54917</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>54917</b>			RunNo: <b>71591</b>						
Prep Date: <b>9/3/2020</b>	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2501948</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	8.5		10.00		85.1	30.4	154			

Sample ID: <b>2009209-001AMS</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>Florance 18R</b>	Batch ID: <b>54917</b>			RunNo: <b>71526</b>						
Prep Date: <b>9/3/2020</b>	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2502750</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.7	48.40	5.939	88.3	47.4	136			
Surr: DNOP	5.5		4.840		114	30.4	154			

Sample ID: <b>2009209-001AMSD</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>Florance 18R</b>	Batch ID: <b>54917</b>			RunNo: <b>71526</b>						
Prep Date: <b>9/3/2020</b>	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2502751</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.6	47.76	5.939	89.6	47.4	136	0.158	43.4	
Surr: DNOP	5.5		4.776		115	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#: 2009209

11-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

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>R71590</b>			RunNo: <b>71590</b>						
Prep Date:	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2503173</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.2	72.5	106			
Surr: BFB	1100		1000		106	75.3	105			S

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>R71590</b>			RunNo: <b>71590</b>						
Prep Date:	Analysis Date: <b>9/3/2020</b>			SeqNo: <b>2503199</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	970		1000		96.8	75.3	105			

**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

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

WO#: 2009209

11-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

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>BS71590</b>	RunNo: <b>71590</b>								
Prep Date:	Analysis Date: <b>9/3/2020</b>	SeqNo: <b>2503207</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.7	80	120			
Toluene	0.93	0.050	1.000	0	92.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.6	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	80	120			

Sample ID: <b>2009209-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Florance 18R</b>	Batch ID: <b>BS71590</b>	RunNo: <b>71590</b>								
Prep Date:	Analysis Date: <b>9/3/2020</b>	SeqNo: <b>2503230</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.59	0.016	0.6333	0.01020	92.0	76.3	120			
Toluene	0.59	0.032	0.6333	0.008233	92.3	78.5	120			
Ethylbenzene	0.60	0.032	0.6333	0.007980	92.9	78.1	124			
Xylenes, Total	1.8	0.063	1.900	0.04262	93.9	79.3	125			
Surr: 4-Bromofluorobenzene	0.65		0.6333		102	80	120			

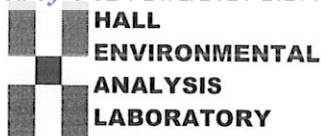
Sample ID: <b>2009209-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Florance 18R</b>	Batch ID: <b>BS71590</b>	RunNo: <b>71590</b>								
Prep Date:	Analysis Date: <b>9/3/2020</b>	SeqNo: <b>2503231</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.016	0.6333	0.01020	95.0	76.3	120	3.07	20	
Toluene	0.61	0.032	0.6333	0.008233	95.4	78.5	120	3.24	20	
Ethylbenzene	0.61	0.032	0.6333	0.007980	95.8	78.1	124	3.03	20	
Xylenes, Total	1.9	0.063	1.900	0.04262	97.8	79.3	125	3.93	20	
Surr: 4-Bromofluorobenzene	0.66		0.6333		105	80	120	0	0	

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>BS71590</b>	RunNo: <b>71590</b>								
Prep Date:	Analysis Date: <b>9/3/2020</b>	SeqNo: <b>2503233</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	0.97		1.000		97.0	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



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: 2009209

RcptNo: 1

Received By: Cheyenne Cason 9/3/2020 8:00:00 AM

Completed By: Isaiah Ortiz 9/3/2020 8:30:20 AM

Reviewed By: em 9/3/20

I-0x

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? Yes ☒ No ☐  
(Note discrepancies on chain of custody)  
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? Yes ☒ No ☐  
(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: em 9/3/20

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	5.3	Good	Yes			







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)

September 16, 2020

Monica Smith

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX

RE: Florance 18R

OrderNo.: 2009555

Dear Monica Smith:

Hall Environmental Analysis Laboratory received 11 sample(s) on 9/10/2020 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 horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: North east wall

Project: Florance 18R

Collection Date: 9/9/2020 10:30:00 AM

Lab ID: 2009555-001

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:08:14 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	9/11/2020 2:16:34 PM	55083
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/11/2020 2:16:34 PM	55083
Surr: DNOP	106	30.4-154		%Rec	1	9/11/2020 2:16:34 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/12/2020 4:02:07 AM	55080
Surr: BFB	91.6	75.3-105		%Rec	1	9/12/2020 4:02:07 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/12/2020 4:02:07 AM	55080
Toluene	ND	0.048		mg/Kg	1	9/12/2020 4:02:07 AM	55080
Ethylbenzene	ND	0.048		mg/Kg	1	9/12/2020 4:02:07 AM	55080
Xylenes, Total	ND	0.095		mg/Kg	1	9/12/2020 4:02:07 AM	55080
Surr: 4-Bromofluorobenzene	98.3	80-120		%Rec	1	9/12/2020 4:02:07 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: East wall south end

Project: Florance 18R

Collection Date: 9/9/2020 10:35:00 AM

Lab ID: 2009555-002

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:20:38 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/11/2020 2:46:20 PM	55083
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/11/2020 2:46:20 PM	55083
Surr: DNOP	127	30.4-154		%Rec	1	9/11/2020 2:46:20 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/12/2020 5:12:31 AM	55080
Surr: BFB	91.2	75.3-105		%Rec	1	9/12/2020 5:12:31 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/12/2020 5:12:31 AM	55080
Toluene	ND	0.050		mg/Kg	1	9/12/2020 5:12:31 AM	55080
Ethylbenzene	ND	0.050		mg/Kg	1	9/12/2020 5:12:31 AM	55080
Xylenes, Total	ND	0.10		mg/Kg	1	9/12/2020 5:12:31 AM	55080
Surr: 4-Bromofluorobenzene	98.0	80-120		%Rec	1	9/12/2020 5:12:31 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: North wall

Project: Florance 18R

Collection Date: 9/9/2020 10:40:00 AM

Lab ID: 2009555-003

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	110	60		mg/Kg	20	9/13/2020 3:33:03 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	11	9.8		mg/Kg	1	9/11/2020 2:56:11 PM	55083
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/11/2020 2:56:11 PM	55083
Surr: DNOP	110	30.4-154		%Rec	1	9/11/2020 2:56:11 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	9/12/2020 6:22:55 AM	55080
Surr: BFB	94.5	75.3-105		%Rec	5	9/12/2020 6:22:55 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	9/12/2020 6:22:55 AM	55080
Toluene	ND	0.25		mg/Kg	5	9/12/2020 6:22:55 AM	55080
Ethylbenzene	ND	0.25		mg/Kg	5	9/12/2020 6:22:55 AM	55080
Xylenes, Total	ND	0.49		mg/Kg	5	9/12/2020 6:22:55 AM	55080
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	5	9/12/2020 6:22:55 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: South wall west end

Project: Florance 18R

Collection Date: 9/9/2020 10:45:00 AM

Lab ID: 2009555-004

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:45:27 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/11/2020 3:06:06 PM	55083
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/11/2020 3:06:06 PM	55083
Surr: DNOP	114	30.4-154		%Rec	1	9/11/2020 3:06:06 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/12/2020 6:46:28 AM	55080
Surr: BFB	93.0	75.3-105		%Rec	1	9/12/2020 6:46:28 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/12/2020 6:46:28 AM	55080
Toluene	ND	0.047		mg/Kg	1	9/12/2020 6:46:28 AM	55080
Ethylbenzene	ND	0.047		mg/Kg	1	9/12/2020 6:46:28 AM	55080
Xylenes, Total	ND	0.094		mg/Kg	1	9/12/2020 6:46:28 AM	55080
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/12/2020 6:46:28 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: West wall north end

Project: Florance 18R

Collection Date: 9/9/2020 10:50:00 AM

Lab ID: 2009555-005

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:57:52 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	11	9.1		mg/Kg	1	9/11/2020 3:15:55 PM	55083
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/11/2020 3:15:55 PM	55083
Surr: DNOP	112	30.4-154		%Rec	1	9/11/2020 3:15:55 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	9.7		mg/Kg	2	9/12/2020 7:10:02 AM	55080
Surr: BFB	93.4	75.3-105		%Rec	2	9/12/2020 7:10:02 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.048		mg/Kg	2	9/12/2020 7:10:02 AM	55080
Toluene	ND	0.097		mg/Kg	2	9/12/2020 7:10:02 AM	55080
Ethylbenzene	ND	0.097		mg/Kg	2	9/12/2020 7:10:02 AM	55080
Xylenes, Total	ND	0.19		mg/Kg	2	9/12/2020 7:10:02 AM	55080
Surr: 4-Bromofluorobenzene	98.8	80-120		%Rec	2	9/12/2020 7:10:02 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: West wall south end

Project: Florance 18R

Collection Date: 9/9/2020 10:55:00 AM

Lab ID: 2009555-006

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:35:05 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/11/2020 3:25:48 PM	55083
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/11/2020 3:25:48 PM	55083
Surr: DNOP	108	30.4-154		%Rec	1	9/11/2020 3:25:48 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/12/2020 7:33:19 AM	55080
Surr: BFB	94.1	75.3-105		%Rec	1	9/12/2020 7:33:19 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/12/2020 7:33:19 AM	55080
Toluene	ND	0.048		mg/Kg	1	9/12/2020 7:33:19 AM	55080
Ethylbenzene	ND	0.048		mg/Kg	1	9/12/2020 7:33:19 AM	55080
Xylenes, Total	ND	0.095		mg/Kg	1	9/12/2020 7:33:19 AM	55080
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/12/2020 7:33:19 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: South wall east end

Project: Florance 18R

Collection Date: 9/9/2020 11:00:00 AM

Lab ID: 2009555-007

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:47:30 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/11/2020 3:35:36 PM	55083
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/11/2020 3:35:36 PM	55083
Surr: DNOP	120	30.4-154		%Rec	1	9/11/2020 3:35:36 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/12/2020 7:56:51 AM	55080
Surr: BFB	90.4	75.3-105		%Rec	1	9/12/2020 7:56:51 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/12/2020 7:56:51 AM	55080
Toluene	ND	0.047		mg/Kg	1	9/12/2020 7:56:51 AM	55080
Ethylbenzene	ND	0.047		mg/Kg	1	9/12/2020 7:56:51 AM	55080
Xylenes, Total	ND	0.095		mg/Kg	1	9/12/2020 7:56:51 AM	55080
Surr: 4-Bromofluorobenzene	97.8	80-120		%Rec	1	9/12/2020 7:56:51 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: South bottom east side

Project: Florance 18R

Collection Date: 9/9/2020 11:05:00 AM

Lab ID: 2009555-008

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:59:55 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/11/2020 3:45:29 PM	55083
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/11/2020 3:45:29 PM	55083
Surr: DNOP	106	30.4-154		%Rec	1	9/11/2020 3:45:29 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/12/2020 8:20:24 AM	55080
Surr: BFB	93.9	75.3-105		%Rec	1	9/12/2020 8:20:24 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/12/2020 8:20:24 AM	55080
Toluene	ND	0.049		mg/Kg	1	9/12/2020 8:20:24 AM	55080
Ethylbenzene	ND	0.049		mg/Kg	1	9/12/2020 8:20:24 AM	55080
Xylenes, Total	ND	0.099		mg/Kg	1	9/12/2020 8:20:24 AM	55080
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	9/12/2020 8:20:24 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: West bottom

Project: Florance 18R

Collection Date: 9/9/2020 11:10:00 AM

Lab ID: 2009555-009

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:12:19 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/11/2020 3:55:15 PM	55083
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/11/2020 3:55:15 PM	55083
Surr: DNOP	106	30.4-154		%Rec	1	9/11/2020 3:55:15 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/12/2020 8:44:01 AM	55080
Surr: BFB	92.8	75.3-105		%Rec	1	9/12/2020 8:44:01 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/12/2020 8:44:01 AM	55080
Toluene	ND	0.049		mg/Kg	1	9/12/2020 8:44:01 AM	55080
Ethylbenzene	ND	0.049		mg/Kg	1	9/12/2020 8:44:01 AM	55080
Xylenes, Total	ND	0.099		mg/Kg	1	9/12/2020 8:44:01 AM	55080
Surr: 4-Bromofluorobenzene	98.5	80-120		%Rec	1	9/12/2020 8:44:01 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: North bottom

Project: Florance 18R

Collection Date: 9/9/2020 11:15:00 AM

Lab ID: 2009555-010

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:24:44 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/11/2020 4:05:05 PM	55083
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/11/2020 4:05:05 PM	55083
Surr: DNOP	103	30.4-154		%Rec	1	9/11/2020 4:05:05 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	10		mg/Kg	2	9/12/2020 9:07:31 AM	55080
Surr: BFB	91.3	75.3-105		%Rec	2	9/12/2020 9:07:31 AM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.050		mg/Kg	2	9/12/2020 9:07:31 AM	55080
Toluene	ND	0.10		mg/Kg	2	9/12/2020 9:07:31 AM	55080
Ethylbenzene	ND	0.10		mg/Kg	2	9/12/2020 9:07:31 AM	55080
Xylenes, Total	ND	0.20		mg/Kg	2	9/12/2020 9:07:31 AM	55080
Surr: 4-Bromofluorobenzene	96.5	80-120		%Rec	2	9/12/2020 9:07:31 AM	55080

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		

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## Analytical Report

Lab Order 2009555

Date Reported: 9/16/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: East side bottom

Project: Florance 18R

Collection Date: 9/9/2020 11:20:00 AM

Lab ID: 2009555-011

Matrix: SOIL

Received Date: 9/10/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:37:08 PM	55118
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/11/2020 4:14:51 PM	55083
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/11/2020 4:14:51 PM	55083
Surr: DNOP	108	30.4-154		%Rec	1	9/11/2020 4:14:51 PM	55083
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/14/2020 12:04:48 PM	55080
Surr: BFB	93.6	75.3-105		%Rec	1	9/14/2020 12:04:48 PM	55080
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	9/14/2020 12:04:48 PM	55080
Toluene	ND	0.046		mg/Kg	1	9/14/2020 12:04:48 PM	55080
Ethylbenzene	ND	0.046		mg/Kg	1	9/14/2020 12:04:48 PM	55080
Xylenes, Total	ND	0.093		mg/Kg	1	9/14/2020 12:04:48 PM	55080
Surr: 4-Bromofluorobenzene	98.2	80-120		%Rec	1	9/14/2020 12:04:48 PM	55080

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		

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

WO#: 2009555

16-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

Sample ID: <b>MB-55118</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55118</b>	RunNo: <b>71822</b>								
Prep Date: <b>9/13/2020</b>	Analysis Date: <b>9/13/2020</b>	SeqNo: <b>2513386</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-55118</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55118</b>	RunNo: <b>71822</b>								
Prep Date: <b>9/13/2020</b>	Analysis Date: <b>9/13/2020</b>	SeqNo: <b>2513387</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	90.6	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#: 2009555

16-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

Sample ID: <b>2009555-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>North east wall</b>	Batch ID: <b>55083</b>	RunNo: <b>71804</b>								
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/11/2020</b>	SeqNo: <b>2512428</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.8	48.92	7.346	97.0	47.4	136			
Surr: DNOP	5.3		4.892		107	30.4	154			

Sample ID: <b>2009555-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>North east wall</b>	Batch ID: <b>55083</b>	RunNo: <b>71804</b>								
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/11/2020</b>	SeqNo: <b>2512429</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.8	48.88	7.346	96.9	47.4	136	0.248	43.4	
Surr: DNOP	5.3		4.888		108	30.4	154	0	0	

Sample ID: <b>LCS-55083</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55083</b>	RunNo: <b>71804</b>								
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/11/2020</b>	SeqNo: <b>2512449</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	10	50.00	0	107	70	130			
Surr: DNOP	5.0		5.000		99.7	30.4	154			

Sample ID: <b>MB-55083</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55083</b>	RunNo: <b>71804</b>								
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/11/2020</b>	SeqNo: <b>2512450</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		109	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 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#: 2009555

16-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

Sample ID: <b>2009555-002ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>East wall south end</b>	Batch ID: <b>55080</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>			SeqNo: <b>2511821</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	4.8	24.22	0	78.5	61.3	114			
Surr: BFB	980		969.0		101	75.3	105			

Sample ID: <b>2009555-002amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>East wall south end</b>	Batch ID: <b>55080</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>			SeqNo: <b>2511822</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	4.7	23.50	0	79.7	61.3	114	1.59	20	
Surr: BFB	950		939.8		102	75.3	105	0	0	

Sample ID: <b>lcs-54986</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>54986</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/6/2020</b>	Analysis Date: <b>9/11/2020</b>			SeqNo: <b>2511831</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1200		1000		116	75.3	105			S

Sample ID: <b>lcs-55080</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>55080</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>			SeqNo: <b>2511832</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	5.0	25.00	0	75.2	72.5	106			
Surr: BFB	1000		1000		100	75.3	105			

Sample ID: <b>mb-54986</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>54986</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/6/2020</b>	Analysis Date: <b>9/11/2020</b>			SeqNo: <b>2511833</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	75.3	105			S

Sample ID: <b>mb-55080</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>55080</b>			RunNo: <b>71790</b>						
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>			SeqNo: <b>2511834</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	920		1000		92.4	75.3	105			

**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

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

WO#: 2009555

16-Sep-20

**Client:** Harvest  
**Project:** Florance 18R

Sample ID: <b>2009555-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>North east wall</b>	Batch ID: <b>55080</b>		RunNo: <b>71790</b>							
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>		SeqNo: <b>2511851</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9823	0	93.0	76.3	120			
Toluene	0.93	0.049	0.9823	0	94.5	78.5	120			
Ethylbenzene	0.95	0.049	0.9823	0	96.6	78.1	124			
Xylenes, Total	2.8	0.098	2.947	0	96.3	79.3	125			
Surr: 4-Bromofluorobenzene	0.99		0.9823		101	80	120			

Sample ID: <b>2009555-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>North east wall</b>	Batch ID: <b>55080</b>		RunNo: <b>71790</b>							
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>		SeqNo: <b>2511852</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9766	0	91.6	76.3	120	2.07	20	
Toluene	0.92	0.049	0.9766	0	93.8	78.5	120	1.37	20	
Ethylbenzene	0.93	0.049	0.9766	0	95.5	78.1	124	1.74	20	
Xylenes, Total	2.8	0.098	2.930	0	95.4	79.3	125	1.55	20	
Surr: 4-Bromofluorobenzene	0.99		0.9766		101	80	120	0	0	

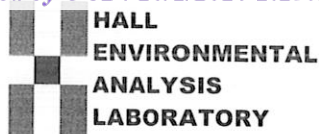
Sample ID: <b>LCS-55080</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>55080</b>		RunNo: <b>71790</b>							
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>		SeqNo: <b>2511862</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.6	80	120			
Toluene	0.94	0.050	1.000	0	94.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		105	80	120			

Sample ID: <b>mb-55080</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>55080</b>		RunNo: <b>71790</b>							
Prep Date: <b>9/10/2020</b>	Analysis Date: <b>9/12/2020</b>		SeqNo: <b>2511863</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		99.1	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



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: 2009555

RcptNo: 1

Received By: Cheyenne Cason 9/10/2020 8:00:00 AM

Completed By: Emily Mocho 9/10/2020 8:19:53 AM

Reviewed By: Em 9/10/20

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  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? 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:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *Em 9/10/20*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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes			

## Chain-of-Custody Record

Client: Harvest MidstreamTurn-Around Time: 3 day☐ Standard ☒ Rush 9-14-20Mailing Address: 1755 ARROYO DR  
Bloom Field NM 87413

Project Name:

Florancc #18 RPhone #: 505-632-4625

Project #:

email or Fax#: M.smith@HarvestMidstream

Project Manager:

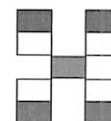
QA/QC Package:

2 Con☐ Standard ☐ Level 4 (Full Validation)Monica SmithAccreditation: ☐ Az ComplianceSampler: Morgan Killion☐ NELAC ☐ OtherOn Ice: ☒ Yes ☐ No☐ EDD (Type)# of Coolers: 1Cooler Temp (including CF): 1.1 ± 0.1

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
9-9-20	1030	Soil	North East Wall	1-402		001	X	X									X
9-9-20	1035	Soil	East Wall South End	1-407		002	X	X									X
9-9-20	1040	Soil	North Wall	1-402		003	X	X									X
9-9-20	1045	Soil	South Wall West End	1-402		004	X	X									X
9-9-20	1050	Soil	West Wall North End	1-402		005	X	X									X
9-9-20	1055	Soil	West Wall South End	1-402		006	X	X									X
9-9-20	1100	Soil	South Wall East End	1-407		007	X	X									X
9-9-20	1105	Soil	South Bottom East Side	1-402		008	X	X									X
9-9-20	1110	Soil	West Bottom	1-402		009	X	X									X
9-9-20	1115	Soil	North Bottom	1-402		010	X	X									X
9-9-20	1120	Soil	East Side Bottom	1-402		011	X	X									X

Date: 9/9/20 Time: 1508 Relinquished by: Morgan KillionReceived by: Christine Warren Via: 9/9/20 Date: 9/9/20 Time: 1508

Remarks:

Date: 9/9/20 Time: 1743 Relinquished by: Christine WarrenReceived by: 9M courier Via: 9/10/20 Date: 9/10/20 Time: 8:00

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	
X	X								X	

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 noted on the analytical report.




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

Site Name:	Florance 18R Pipeline
API #:	not applicable
Lat/Long:	N36.82416 W107.75527
TRS:	NE/SE-11-30N-9W
Land Jurisdiction:	Federal - BLM
County:	San Juan
Determination made by:	David Reese, CHMM/Environmental Scientist
Date:	9/25/2020

**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
domestic well	SJ 04050	36.8218	-107.76322	0.47 mi

**Distance to Nearest Significant Watercourse (NMAC 19.15.29.11A.4)**  
blue-line unnamed wash that is a tributary of Crow Canyon wash is located 0.24 mi to northwest

Depth to Groundwater Determination (NMAC 19.15.29.11A.2)	
Cathodic Report/Site Specific Hydrogeology	not a wellsite
Elevation Differential	--
Water Wells	240' at SJ 04050
Cathodic Report Nearby Wells	--

Sensitive Receptor Determination		
<i>*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):</i>		
<300' of any continuously flowing watercourse or any other significant watercourse	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water Mark)	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<300' of an occupied permanent residence, school, hospital, institution or church	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<1000' of any water well or spring	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
within incorporated municipal boundaries or within a defined municipal fresh water well field	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
<300' of a wetland	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
within the area overlying a subsurface mine	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
within an unstable area	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
within a 100-year floodplain	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>

**Explain any 'Yes' Marks:**

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

## New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,

O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">SJ 04050 POD1</a>		SJ	SJ	1	4	10	30N	09W		253540	4078667	757	380	240	140

Average Depth to Water: 240 feet

Minimum Depth: 240 feet

Maximum Depth: 240 feet

Record Count: 1

UTM NAD83 Radius Search (in meters):

Easting (X): 254257

Northing (Y): 4078910

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.

9/28/20 9:20 AM

Released to Imaging: 6/13/2022 11:11:45 AM

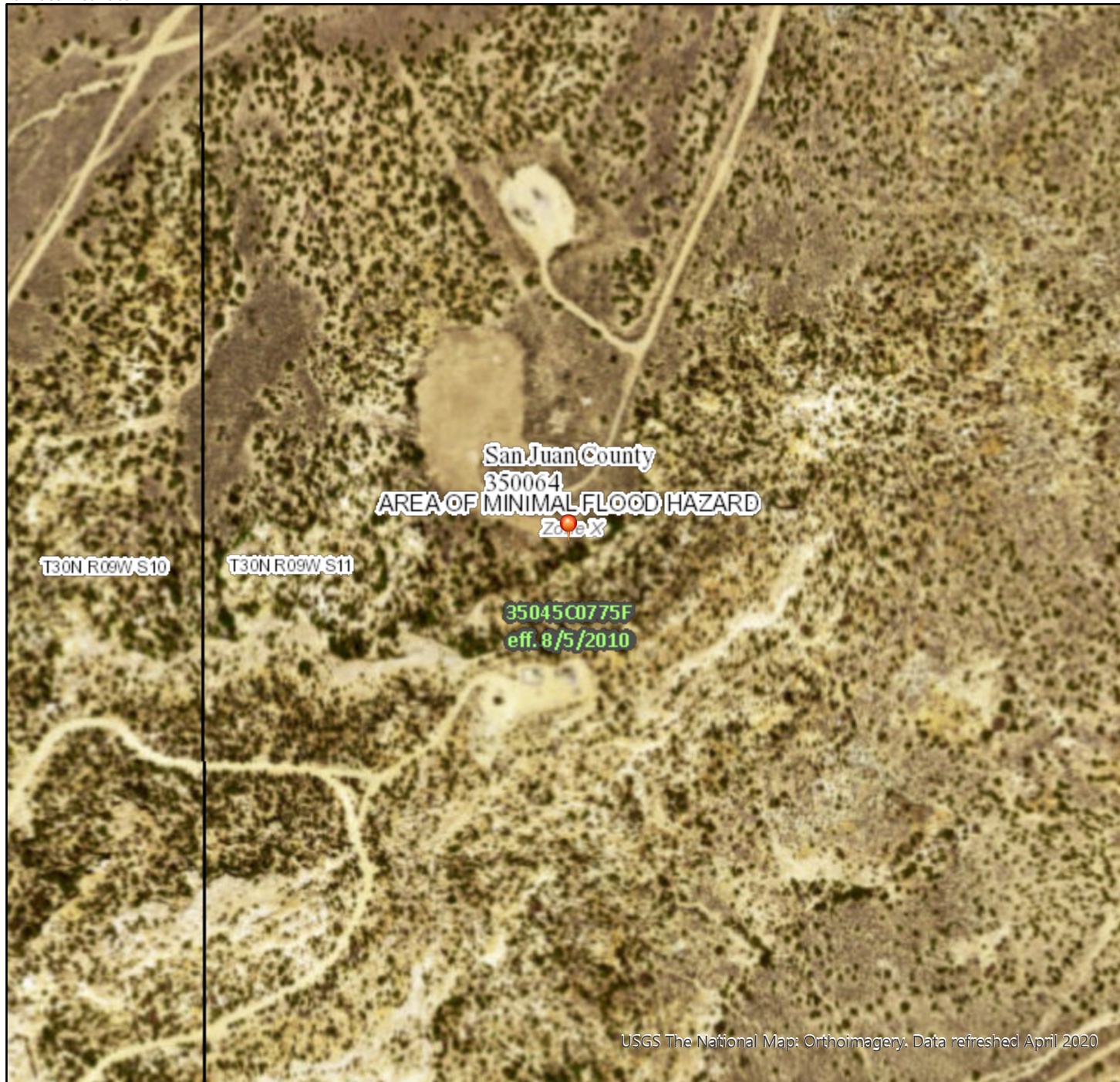
WATER COLUMN/ AVERAGE DEPTH TO WATER



## National Flood Hazard Layer FIRMette



107°45'38"W 36°49'35"N



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
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 AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		20.2
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/28/2020 at 11:39 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

USGS The National Map: Orthoimagery. Data refreshed April 2020

107°45'1"W 36°49'6"N

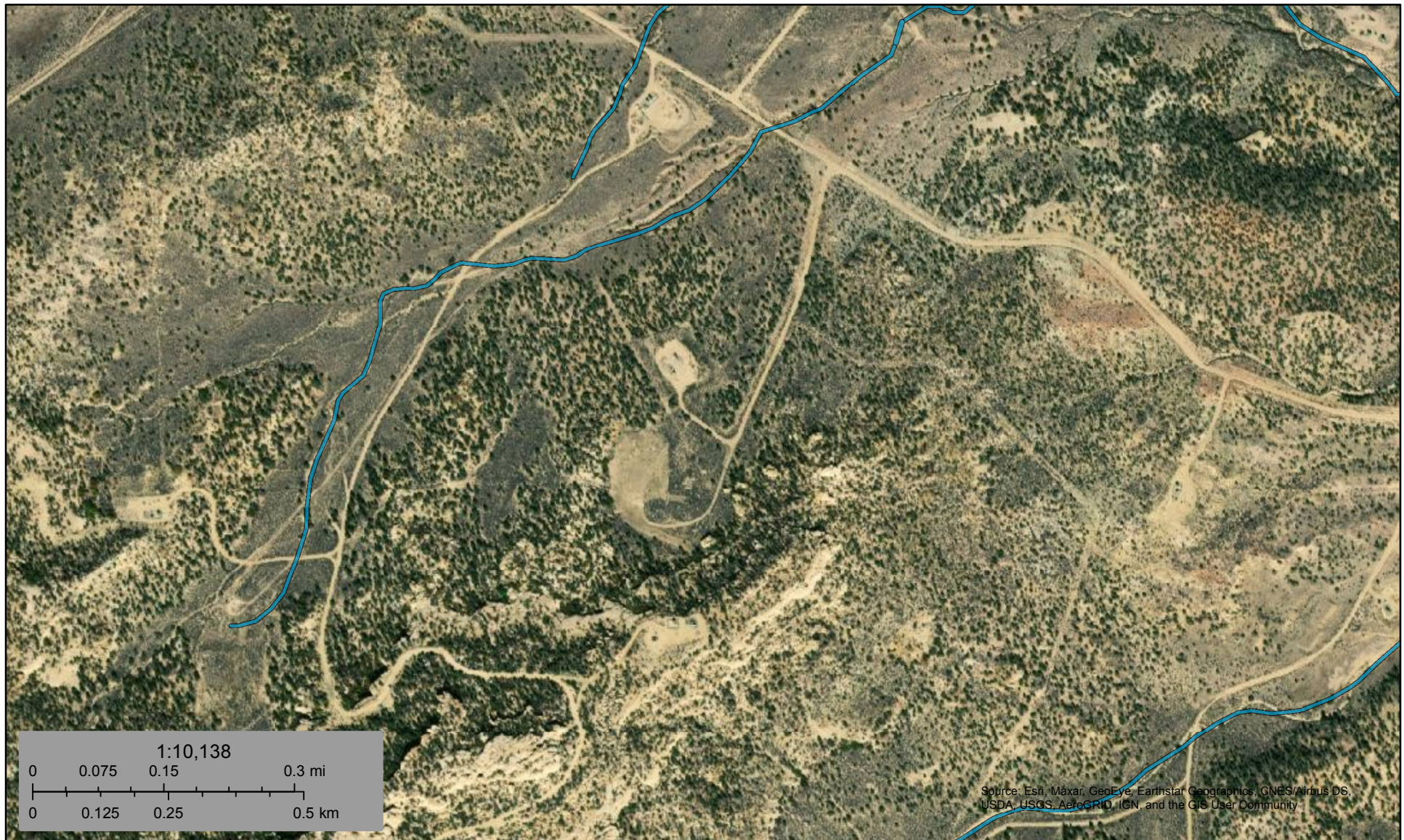




U.S. Fish and Wildlife Service



## National Wetlands Inventory




## Florance 18R - Wetlands Map



September 28, 2020

**Wetlands**

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland

-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond

-  Lake
-  Other
-  Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



FROM: Monica Smith <[msmith@harvestmidstream.com](mailto:msmith@harvestmidstream.com)>

Sent: Friday, September 4, 2020 9:42 AM

To: Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>

Subject: [EXT] Harvest - Florance 18 R

Hi Cory,

We had a recent release at the Florance 18R, reported internally on 8/14/2020.

Enterprise employee called in possible line leak due to dead vegetation. Harvest employee walked out section of line with gas detector and received a couple small LEL readings. Blocked line in and depressurized.

Gas Loss reported 3.80 mcf, with zero liquids loss.

Harvest began excavation for repairs this week, and come across what appears to be contaminated soil from a historic leak. However initial samples show no signs of contamination. Based on the size of the dead vegetation, Harvest will be hauling off 500-600 yards of soil.

Lat/ Long 36.82416, -107.75527

T30N R9W S11

San Juan County

As a courtesy Harvest would like to notify NMOCD of confirmation samples, to take place on Wednesday September 9<sup>th</sup> at 10:00am

Please let me know if you have any questions.

Thank you,

*Monica Smith*

*Harvest Four Corners, LLC*

[msmith@harvestmidstream.com](mailto:msmith@harvestmidstream.com)

(505) 632-4625 - office

(505) 947-1852 - cell

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---

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 10459

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 10459
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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