

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	NRM2027631834
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.

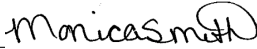
Leak was below-ground and has been repaired.

Incident ID	NRM2027631834
District RP	
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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>
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>10/2/2020</u>

Incident ID	NRM2027631834
District RP	
Facility ID	
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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 not 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

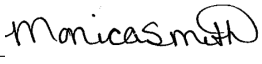
Page 4

Incident ID	
District RP	
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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: Ramona Marcus Date: 10/2/2020

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Closure

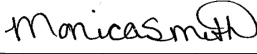
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: Ramona Marcus Date: 10/2/2020

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: _____

Printed Name: _____ Title: _____



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.

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
animasenvironmental.com

Florance 18R Pipeline Excavation Clearance Report

September 25, 2020

Page 2 of 4

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.

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.

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

Page 3 of 4

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.

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

Page 4 of 4

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.

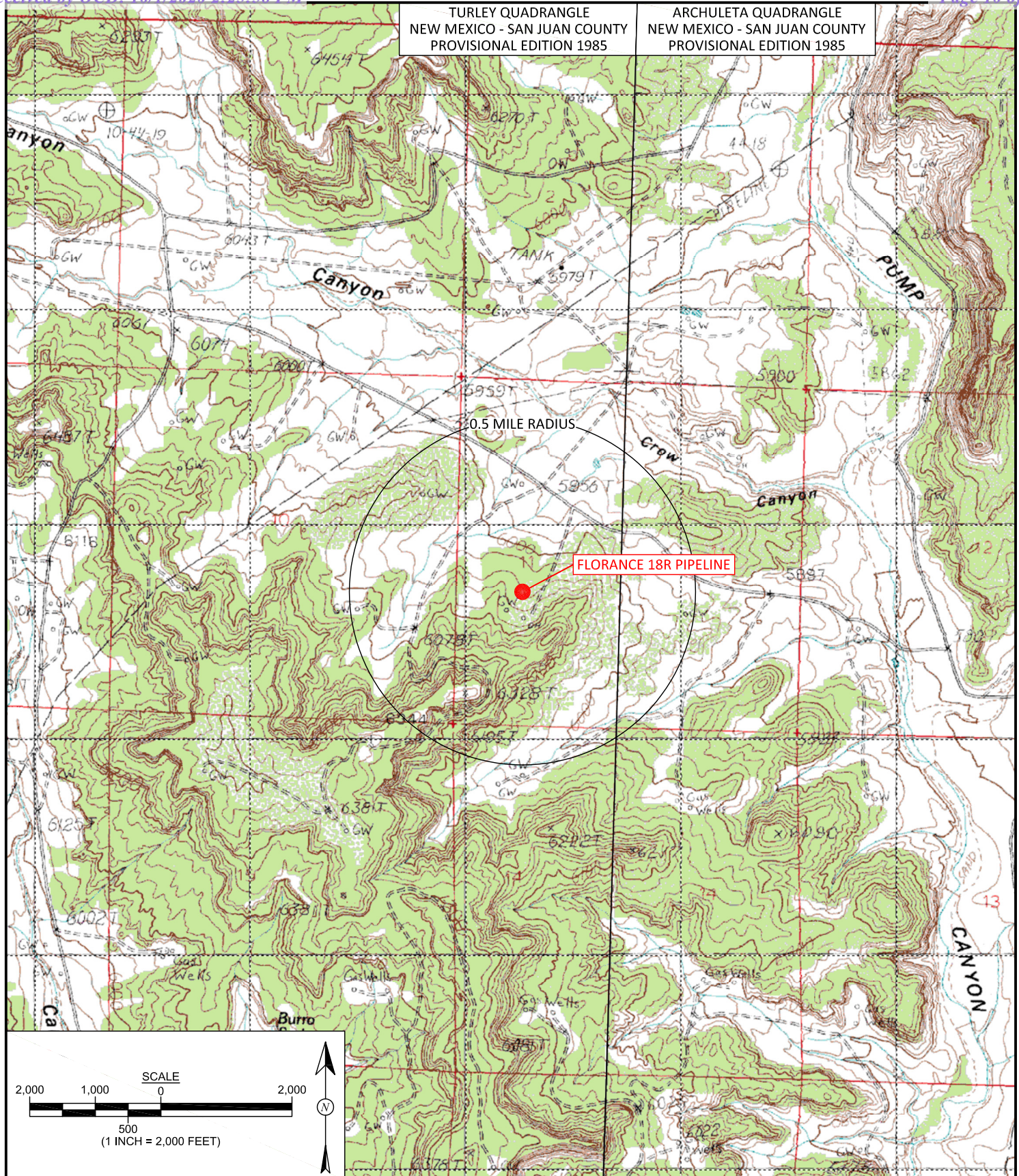
Bloomfield, New Mexico 87413

Email: msmith@harvestmidstream.com

<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

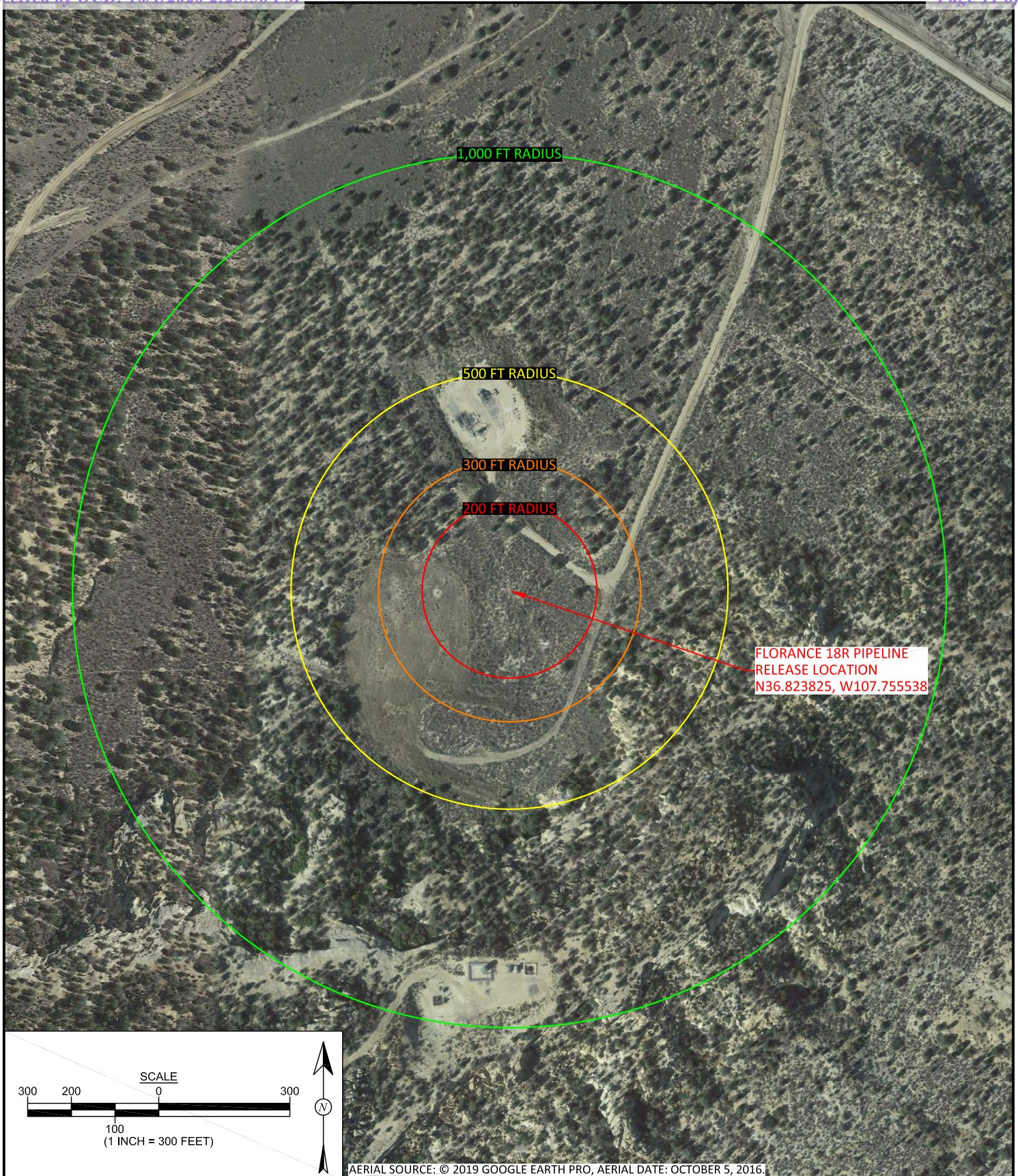
DATE CHECKED:
September 28, 2020

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



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DRAWN BY:

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E. McNally

DATE CHECKED:

September 28, 2020

APPROVED BY:

E. McNally

DATE APPROVED:

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

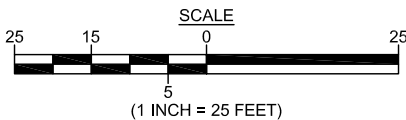
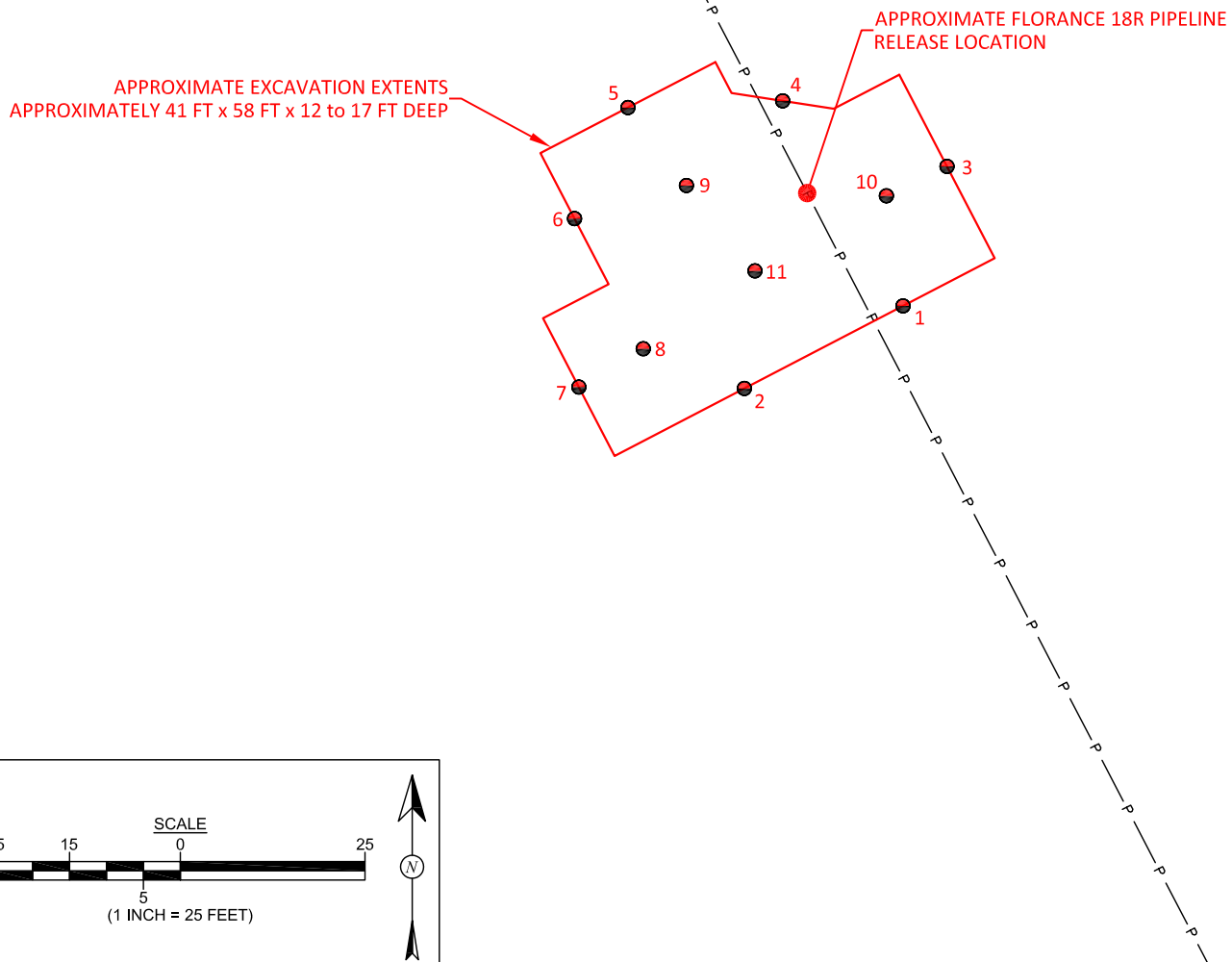


APPROXIMATE BURIED PIPELINE

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.

**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
NW $\frac{1}{4}$ SW $\frac{1}{4}$, 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

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 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 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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
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
EPA METHOD 8021B: VOLATILES							Analyst: NSB
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.

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#: 2009209

11-Sep-20

Client: Harvest
Project: Florance 18R

Sample ID: LCS-54917	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 54917		RunNo: 71591							
Prep Date: 9/3/2020	Analysis Date: 9/3/2020		SeqNo: 2501940		Units: mg/Kg					
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: MB-54917	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 54917		RunNo: 71591							
Prep Date: 9/3/2020	Analysis Date: 9/3/2020		SeqNo: 2501948		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.1	30.4	154			

Sample ID: 2009209-001AMS	SampType: MS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: Florance 18R	Batch ID: 54917		RunNo: 71526							
Prep Date: 9/3/2020	Analysis Date: 9/3/2020		SeqNo: 2502750		Units: mg/Kg					
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: 2009209-001AMSD	SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: Florance 18R	Batch ID: 54917		RunNo: 71526							
Prep Date: 9/3/2020	Analysis Date: 9/3/2020		SeqNo: 2502751		Units: mg/Kg					
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: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: R71590		RunNo: 71590							
Prep Date:	Analysis Date: 9/3/2020		SeqNo: 2503173		Units: mg/Kg					
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: mb1	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: R71590		RunNo: 71590							
Prep Date:	Analysis Date: 9/3/2020		SeqNo: 2503199		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	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

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

WO#: 2009209

11-Sep-20

Client: Harvest
Project: Florance 18R

Sample ID: 100NG BTEX LCS	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: BS71590	RunNo: 71590								
Prep Date:	Analysis Date: 9/3/2020	SeqNo: 2503207 Units: mg/Kg								
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: 2009209-001ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: Florance 18R	Batch ID: BS71590	RunNo: 71590								
Prep Date:	Analysis Date: 9/3/2020	SeqNo: 2503230 Units: mg/Kg								
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			

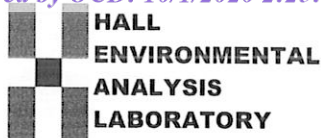
Sample ID: 2009209-001amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: Florance 18R	Batch ID: BS71590	RunNo: 71590								
Prep Date:	Analysis Date: 9/3/2020	SeqNo: 2503231 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: mb1	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: BS71590	RunNo: 71590								
Prep Date:	Analysis Date: 9/3/2020	SeqNo: 2503233 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	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 AMCompleted By: **Isaiah Ortiz** 9/3/2020 8:30:20 AMReviewed 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?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *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			

Chain-of-Custody Record

Client: Harvest Midstream

Mailing Address: 1755 ARO440 DR
Bloomfield NM 87413

Phone #: 505-632-4625

email or Fax#: msmith@harvestmidstream.com

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

Accreditation ☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

Turn-Around Time: Same day
☐ Standard ☒ Rush 9-3-20

Project Name: _____

Project #:	Floravac #18R
------------	---------------

Project #:

Project Manager:	Monica Smith
Sampler:	Morgan Killian
On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sample Temperature:	5.3 ± 0.53

On Ice: ☒ Yes ☐ No
Sample Temperature: 5.3 ± 0.53

Container Type and #	Preservative Type	HEAL No.
		2009709

1-402	Cool	
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[illegible]

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[illegible][illegible]

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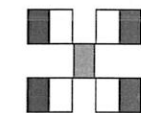
Received by:	Date	Time
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ChA1 Lat 9/2/2020 1545

Received by:	Date	Time
--------------	------	------

Dr Conn 9/3/20 0800

attracted to other accredited laboratories. This serves as notice of this p



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)
BTEX + MTBE + TPH (Gas only)
TPH 8015B (GRO / DRO / MRO)
TPH (Method 418.1)
EDB (Method 504.1)
PAH's (8310 or 8270 SIMS)
RCCA 8 Metals
Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)
8081 Pesticides / 8082 PCB's
8260B (VOA)
8270 (Semi-VOA)
Air Bubbles (Y or N)

[illegible]

Page 21 of 21
Remarks: Morgan Killion @ Yahoo - Com



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: 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 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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:08:14 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:20:38 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	110	60		mg/Kg	20	9/13/2020 3:33:03 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:45:27 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 3:57:52 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:35:05 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:47:30 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 4:59:55 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:12:19 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:24:44 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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 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
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	9/13/2020 5:37:08 PM	55118
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							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
EPA METHOD 8015D: GASOLINE RANGE							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
EPA METHOD 8021B: VOLATILES							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.

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#: 2009555

16-Sep-20

Client: Harvest
Project: Florance 18R

Sample ID: MB-55118		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 55118		RunNo: 71822						
Prep Date: 9/13/2020		Analysis Date: 9/13/2020		SeqNo: 2513386			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-55118		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 55118		RunNo: 71822						
Prep Date: 9/13/2020		Analysis Date: 9/13/2020		SeqNo: 2513387			Units: mg/Kg			
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			

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

WO#: 2009555

16-Sep-20

Client: Harvest
Project: Florance 18R

Sample ID: 2009555-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: North east wall	Batch ID: 55083	RunNo: 71804								
Prep Date: 9/10/2020	Analysis Date: 9/11/2020	SeqNo: 2512428 Units: mg/Kg								
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: 2009555-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: North east wall	Batch ID: 55083	RunNo: 71804								
Prep Date: 9/10/2020	Analysis Date: 9/11/2020	SeqNo: 2512429 Units: mg/Kg								
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: LCS-55083	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 55083	RunNo: 71804								
Prep Date: 9/10/2020	Analysis Date: 9/11/2020	SeqNo: 2512449 Units: mg/Kg								
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: MB-55083	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 55083	RunNo: 71804								
Prep Date: 9/10/2020	Analysis Date: 9/11/2020	SeqNo: 2512450 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	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: 2009555-002ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: East wall south end	Batch ID: 55080	RunNo: 71790								
Prep Date: 9/10/2020	Analysis Date: 9/12/2020	SeqNo: 2511821 Units: mg/Kg								
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: 2009555-002amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: East wall south end	Batch ID: 55080	RunNo: 71790								
Prep Date: 9/10/2020	Analysis Date: 9/12/2020	SeqNo: 2511822 Units: mg/Kg								
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: lcs-54986	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 54986	RunNo: 71790								
Prep Date: 9/6/2020	Analysis Date: 9/11/2020	SeqNo: 2511831 Units: %Rec								
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: lcs-55080	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 55080	RunNo: 71790								
Prep Date: 9/10/2020	Analysis Date: 9/12/2020	SeqNo: 2511832 Units: mg/Kg								
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: mb-54986	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 54986	RunNo: 71790								
Prep Date: 9/6/2020	Analysis Date: 9/11/2020	SeqNo: 2511833 Units: %Rec								
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: mb-55080	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 55080	RunNo: 71790								
Prep Date: 9/10/2020	Analysis Date: 9/12/2020	SeqNo: 2511834 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	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

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

WO#: 2009555

16-Sep-20

Client: Harvest
Project: Florance 18R

Sample ID: 2009555-001ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: North east wall	Batch ID: 55080		RunNo: 71790							
Prep Date: 9/10/2020	Analysis Date: 9/12/2020		SeqNo: 2511851		Units: mg/Kg					
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: 2009555-001amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: North east wall	Batch ID: 55080		RunNo: 71790							
Prep Date: 9/10/2020	Analysis Date: 9/12/2020		SeqNo: 2511852		Units: mg/Kg					
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	

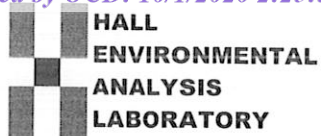
Sample ID: LCS-55080	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 55080		RunNo: 71790							
Prep Date: 9/10/2020	Analysis Date: 9/12/2020		SeqNo: 2511862		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	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: mb-55080	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 55080		RunNo: 71790							
Prep Date: 9/10/2020	Analysis Date: 9/12/2020		SeqNo: 2511863		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	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 AMCompleted By: **Emily Mocho** 9/10/2020 8:19:53 AMReviewed 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°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(≤ 2 or >12 unless noted)

Adjusted?

Checked by: *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			

ibility. Any sub-contracted data will be clearly notated 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
**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 type="checkbox"/>	<input checked="" 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 type="checkbox"/>	<input checked="" 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:

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
SJ 04050 POD1		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

UTMNAD83 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.

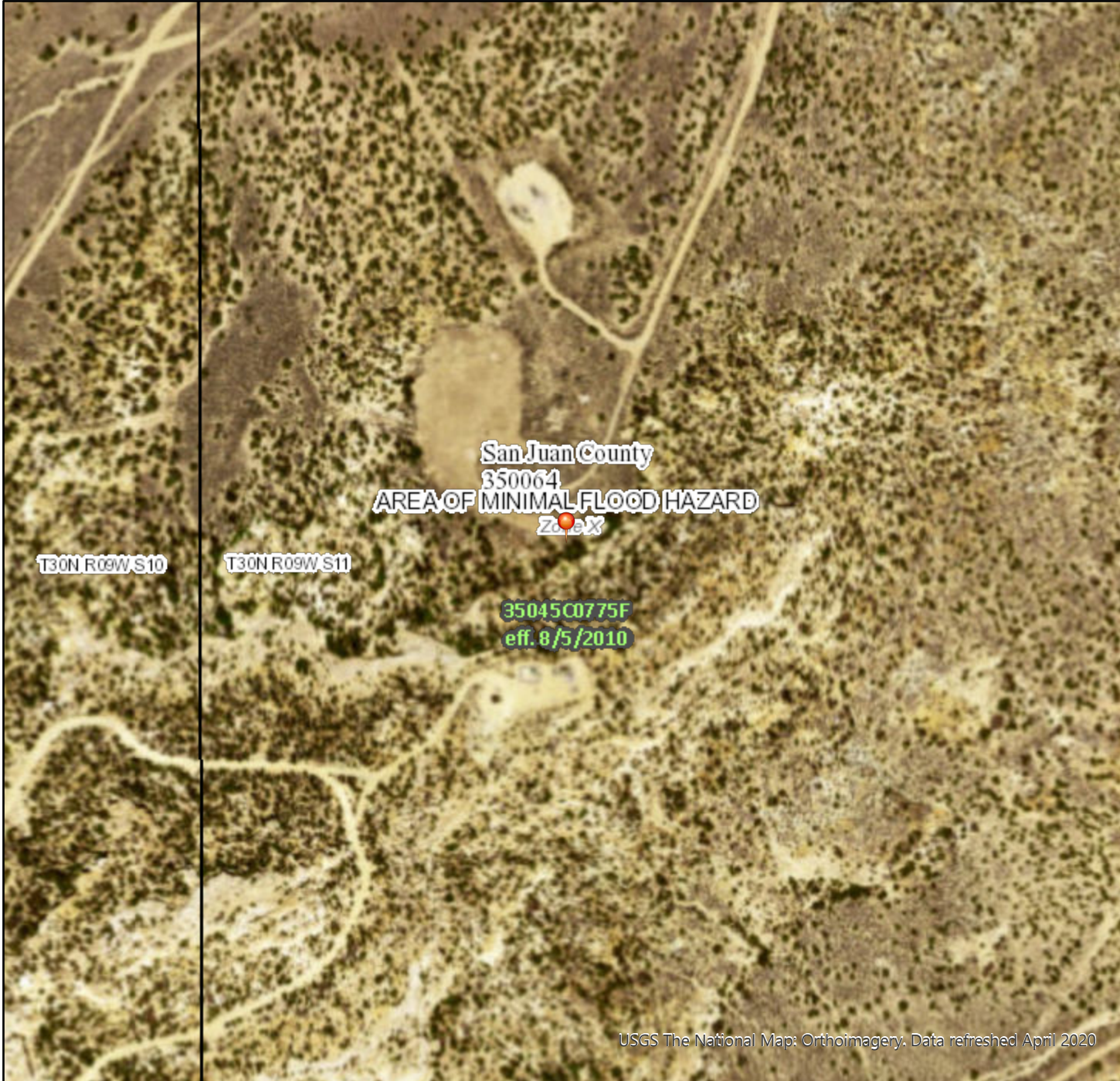
9/28/20 9:20 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER

National Flood Hazard Layer FIRMette



107°45'38"W 36°49'35"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

107°45'1"W 36°49'6"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
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		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.

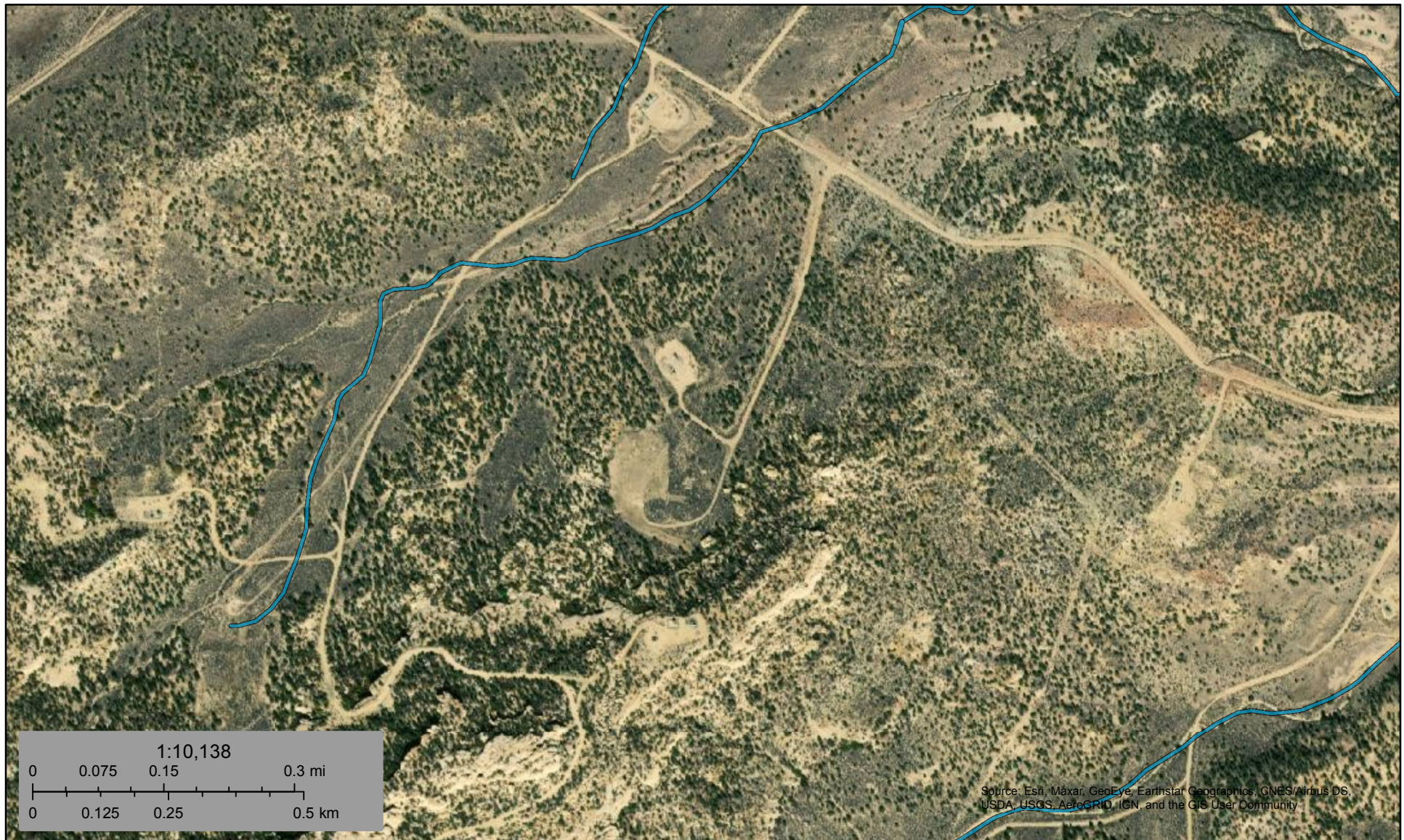
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U.S. Fish and Wildlife Service

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>

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

To: Smith, Cory, EMNRD <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 9th at 10:00am

Please let me know if you have any questions.

Thank you,

Monica Smith

Harvest Four Corners, LLC

msmith@harvestmidstream.com

(505) 632-4625 - office

(505) 947-1852 - cell

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