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	nAPP2105656531
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Harvest Midstream Company	OGRID 373888
Contact Name Kijun Hong	Contact Telephone 505-632-4475
Contact email khong@harvestmidstream.com	Incident # *(assigned by OCD)* nAPP2105656531
Contact mailing address 1755 Arroyo Dr., Bloomfield, NM 87413	

Location of Release Source

Latitude 36.610415 Longitude -107.942307
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Galt J2	Site Type Natural Gas Pipeline
Date Release Discovered 2/25/2021- 12:15 pm	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
D	6	27N	10W	San Juan

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

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☒ Natural Gas	Volume Released (Mcf) 3.1	Volume Recovered (Mcf) none
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A hole resulting from internal corrosion was discovered in the pipeline. It was shut in and the leak has been repaired.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105656531
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? NMAC 19.15.29.7(A2b): may with reasonable probability reach a watercourse, release had no liquids or recoverable materials but occurred within a wash

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Notice provided via electronic mail by Kijun Hong to Cory Smith and Jim Griswold of NMOCD on Feb. 25, 2021 2:27 PM

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

natural gas release with no liquids

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

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

Printed Name: Kijun Hong Title: Environmental Specialist

Signature: Date: 3/10/2021

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

OCD Only

Received by: Ramona Marcus Date: 5/25/2021

Incident ID	nAPP2105656531
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	50-100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☒ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105656531
District RP	
Facility ID	
Application ID	

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

Printed Name: Monica Smith Title: Environmental Specialist

Signature: MonicaSmith Date: 5/25/2021

email: msmith@harvestmidstream.com Telephone: 505-632-4625

OCD Only

Received by: Ramona Marcus Date: 5/25/2021

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2105656531
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: MonicaSmith Date: 5/25/2021

email: msmith@harvestmidstream.com Telephone: 505-632-4625

OCD Only

Received by: Ramona Marcus Date: 5/25/2021

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

Closure Approved by: Nelson Velez Date: 02/22/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

May 24, 2021

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

RE: CLOSURE REPORT
Galt J2 Pipeline Release
NMOCD Incident No. nAPP2105656531
NW¼ NW¼, Section 6, T27N, R10W
San Juan County, New Mexico

Dear Mr. Smith:

Harvest Midstream Company (Harvest) completed an excavation clearance of a release at the Galt J2 Pipeline location in May 2021. The release consisted of approximately 3.1 mcf of natural gas was discovered on February 25, 2021. It is classified as a major release because it occurred at a pipeline crossing of an unnamed dry tributary arroyo of Kutz Wash. Harvest collected soil samples to confirm all impacted soils were removed. The excavation was then backfilled with clean soil, and all excavated soil was disposed of at an appropriate facility.

TIMELINE:

- *February 25, 2021: release discovered. NMOCD notified.*
- *March 11, 2021: C-141 Release Notification submitted.*
- *April 26, 2021: Harvest notified NMOCD that it intended to conduct field sampling at Galt J2 on April 29, 2021.*
- *April 29, 2021: Harvest performed excavation and confirmation soil sampling.*
- *May 17, 2021: Harvest performed further excavation and confirmation soil re-sampling.*
- *May 19, 2021: Harvest received analytical results from May 17 sampling event showing soils below standards.*

1.0 Site Information

1.1 Location

Site Name – Galt J2 Pipeline

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

Legal Description – NW¼ NW¼, Section 6, T27N, R10W, San Juan County, New Mexico
Release Latitude/Longitude – N36.61042, W107.94231
Land Jurisdiction – Bureau of Land Management
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map

1.2 Release Information

On February 25, 2021, a hole resulting from internal corrosion was discovered in the pipeline. The site was excavated, and the pipe was replaced. The initial release was of approximately three Mcf of natural gas. Due to the proximity to a watercourse, the release was classified as "major".

2.0 Site Ranking

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

- **Depth to Groundwater:** The hydrogeologic report estimates a depth to groundwater between 50 and 100 ft bgs. Cathodic reports could not be located for oil and gas wells within one-half mile. Depth to water records could not located for any wells within one-half mile. Depth to groundwater is between 50 and 100 ft bgs.
- **Sensitive Receptor Determination:** The release site is located within a small wash that is a tributary of Kutz Wash.

NMOCD Action levels are:

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

3.0 Confirmation Soil Sampling

Notification of soil confirmation sampling was initially made to NMOCD on April 26, 2021. The project notification is attached. Soil confirmation samples were collected by Harvest on April 29, 2021, including collection of confirmation soil samples from the walls and base of the repair trench. Six final composite samples were collected by

Harvest on May 17, 2021, after additional soils were removed from the excavation base. Harvest collected six 5-point composite samples including four from the side walls and two from the base. The final excavation measured approximately 11 ft by 64 ft by 6 to 8 ft deep and included 40 cubic yards of overburden and contaminated soil.

Sample locations and final excavation extents are presented on Figure 3, and excavation progress is documented in the photograph log. The excavated soils were disposed of at Envirotech Remediation Facility (Permit No. NM-01-0011) in Hilltop, New Mexico.

3.1 Field Data

On May 17, 2021, excavation composite volatile organic compound (VOC) readings were recorded between 21 ppm (south and east wall) and 97 ppm (west wall), respectively. Clearance of soil samples was achieved through laboratory analysis. Field notes from the field sampling and excavation are attached.

3.2 Laboratory Analyses

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

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

3.3 Laboratory Analytical Results

All laboratory analytical results indicated benzene, total BTEX, and chlorides in all samples were below applicable action levels. In contrast, TPH (as GRO, DRO, and MRO) results exceeded the action level of 100 mg/kg in three samples, West and North Walls, East and South Walls, and Bottom Composite, with 610 mg/kg, 350 mg/kg, and 1,155 mg/kg, respectively. Additional soils were removed from the excavation, and subsequent samples at these locations reported TPH below laboratory detection limits (North & West Wall), 26 mg/kg (South & East Wall), 41 mg/kg (South Bottom), and below laboratory detection limits (North Bottom). The laboratory analytical reports are attached.

4.0 Conclusions

Harvest completed an excavation clearance of petroleum hydrocarbon impacted soils at the Galt J2 Pipeline in May 2021 resulting from a release reported on February 25, 2021. Laboratory analytical results reported final benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations as *below* applicable NMOCD action levels. No further action is recommended at this time.

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

Sincerely,

David J. Reese
Environmental Scientist

Elizabeth McNally, P.E.

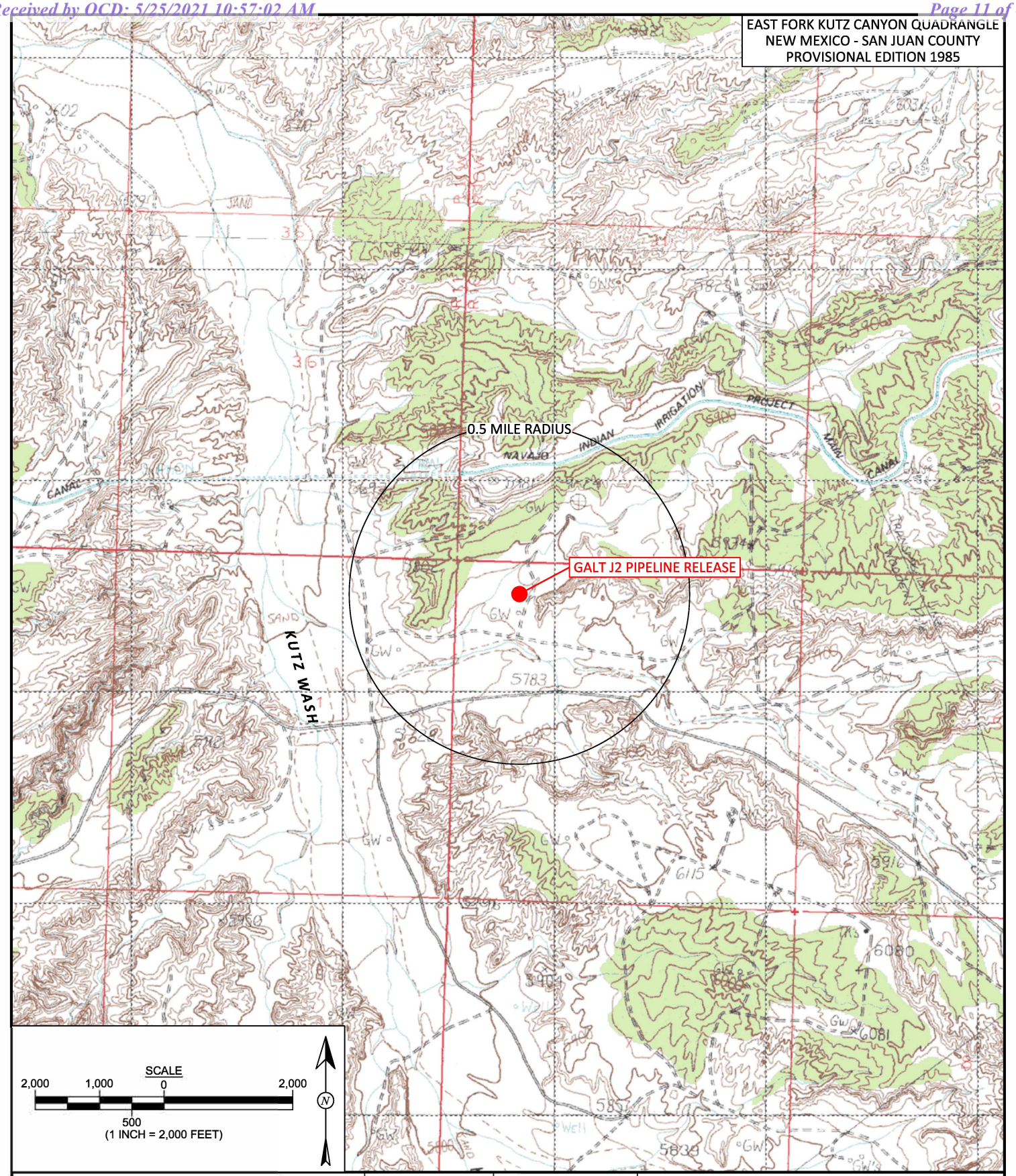
Attachments:

Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Location Map
Figure 3. Excavation Area and Soil Sample Locations
Photograph Log
Excavation Log with Field Notes (May 17, 2021)
Hall Analytical Reports 2104D05 and 2105754
NMOCD Site Assessment/Characterization Ranking
Sampling Notification—April 26, 2021

Cc:
Monica Smith
Harvest Midstream Company
1755 Arroyo Dr.
Bloomfield, New Mexico 87413
Email: msmith@harvestmidstream.com

Ryan Joyner
Bureau of Land Management
Farmington Field Office
6251 College Blvd., Suite A
Farmington, New Mexico 87402
Email: rjoyner@blm.gov

https://animasenvironmental.sharepoint.com/sites/HarvestMidstream/Shared Documents/Galt J2/Reports/Galt J2 Pipeline Exc Clearance Report 052421.docx

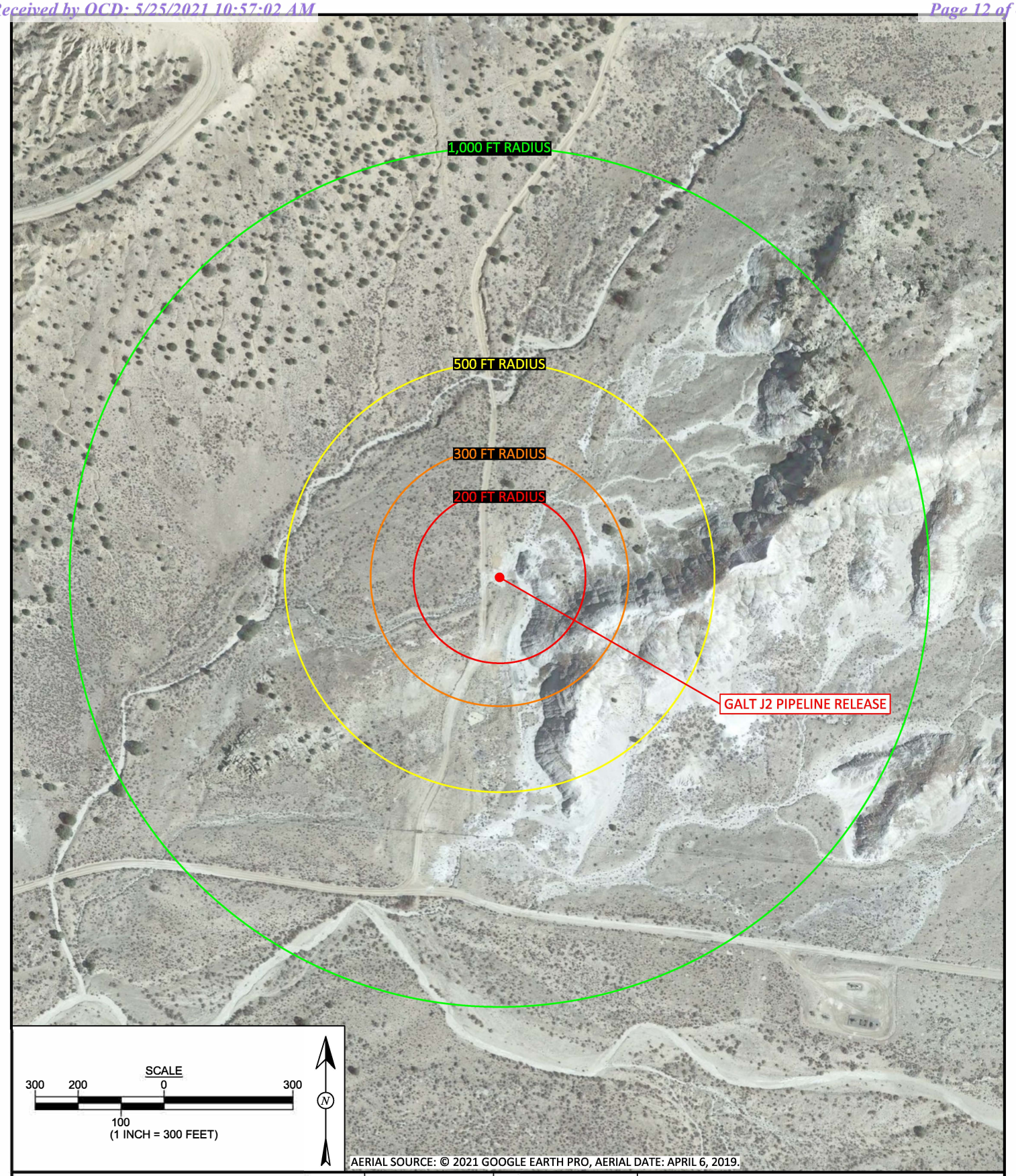


DRAWN BY: C. Lameman	**DATE DRAWN:** May 24, 2021
REVISIONS BY: C. Lameman	**DATE REVISED:** May 24, 2021
CHECKED BY: D. Reese	**DATE CHECKED:** May 24, 2021
APPROVED BY: E. McNally	**DATE APPROVED:** May 24, 2021

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

FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
HARVEST FOUR CORNERS
GALT J2 PIPELINE
INCIDENT NUMBER: nAPP2105656531
NW¼ NW¼, SECTION 6, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.610415, W107.942307



AERIAL SOURCE: © 2021 GOOGLE EARTH PRO, AERIAL DATE: APRIL 6, 2019.

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

DRAWN BY: C. Lameman	**DATE DRAWN:** May 24, 2021
REVISIONS BY: C. Lameman	**DATE REVISED:** May 24, 2021
CHECKED BY: D. Reese	**DATE CHECKED:** May 24, 2021
APPROVED BY: E. McNally	**DATE APPROVED:** May 24, 2021

FIGURE 2

AERIAL SITE LOCATION MAP
HARVEST FOUR CORNERS
GALT J2 PIPELINE
INCIDENT NUMBER: nAPP2105656531
NW¼ NW¼, SECTION 6, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.610415, W107.942307

Laboratory Analytical Results

Lab Sample ID	Date	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
		10	50		100		600
South Bottom	5/17/21	<0.019	<0.170	<3.8	41	<46	<60
North Bottom	5/17/21	<0.021	<0.186	<4.1	<10	<50	<60
West Wall	5/17/21	<0.016	<0.148	<3.3	<9.2	<46	<60
North & West Wall	5/17/21	<0.016	<0.145	<3.2	<9.4	<47	<61
East Wall	5/17/21	<0.020	<0.180	<4.0	<9.6	<48	<60
South & East Wall	5/17/21	<0.019	<0.174	<3.9	26	<50	<60

ALL SAMPLES WERE ANALYZED PER USEPA METHOD 8021, 8015D AND 300.0.
ALL SAMPLES WERE COLLECTED BY HARVEST MIDSTREAM.

LEGEND
- SAMPLE LOCATIONS
- P — APPROXIMATE BURIED PIPELINE

North & West Wall
North Bottom
APPROXIMATE GALT J2 PIPELINE RELEASE LOCATION
West Wall
East Wall
South Bottom
South & East Wall
APPROXIMATE EXCAVATION AREA APPROXIMATELY 11 FT x 64 FT x 6 to 8 FT DEEP

SCALE
30 20 0 30
10
(1 INCH = 30 FEET)
N

AERIAL SOURCE: © 2021 GOOGLE EARTH PRO, AERIAL DATE: APRIL 6, 2019.

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

DRAWN BY: C. Lameman	DATE DRAWN: May 24, 2021
REVISIONS BY: C. Lameman	DATE REVISED: May 24, 2021
CHECKED BY: D. Reese	DATE CHECKED: May 24, 2021
APPROVED BY: E. McNally	DATE APPROVED: May 24, 2021

FIGURE 3

EXCAVATION AREA MAP AND SOIL SAMPLE LOCATIONS
HARVEST FOUR CORNERS
GALT J2 PIPELINE
INCIDENT NUMBER: nAPP2105656531
NW¼ NW¼, SECTION 6, T27N, R10W
SAN JUAN COUNTY, NEW MEXICO
N36.610415, W107.942307

Galt J2
NMOCD Incident No. nAPP2105656531
Pipeline Release Excavation Clearance

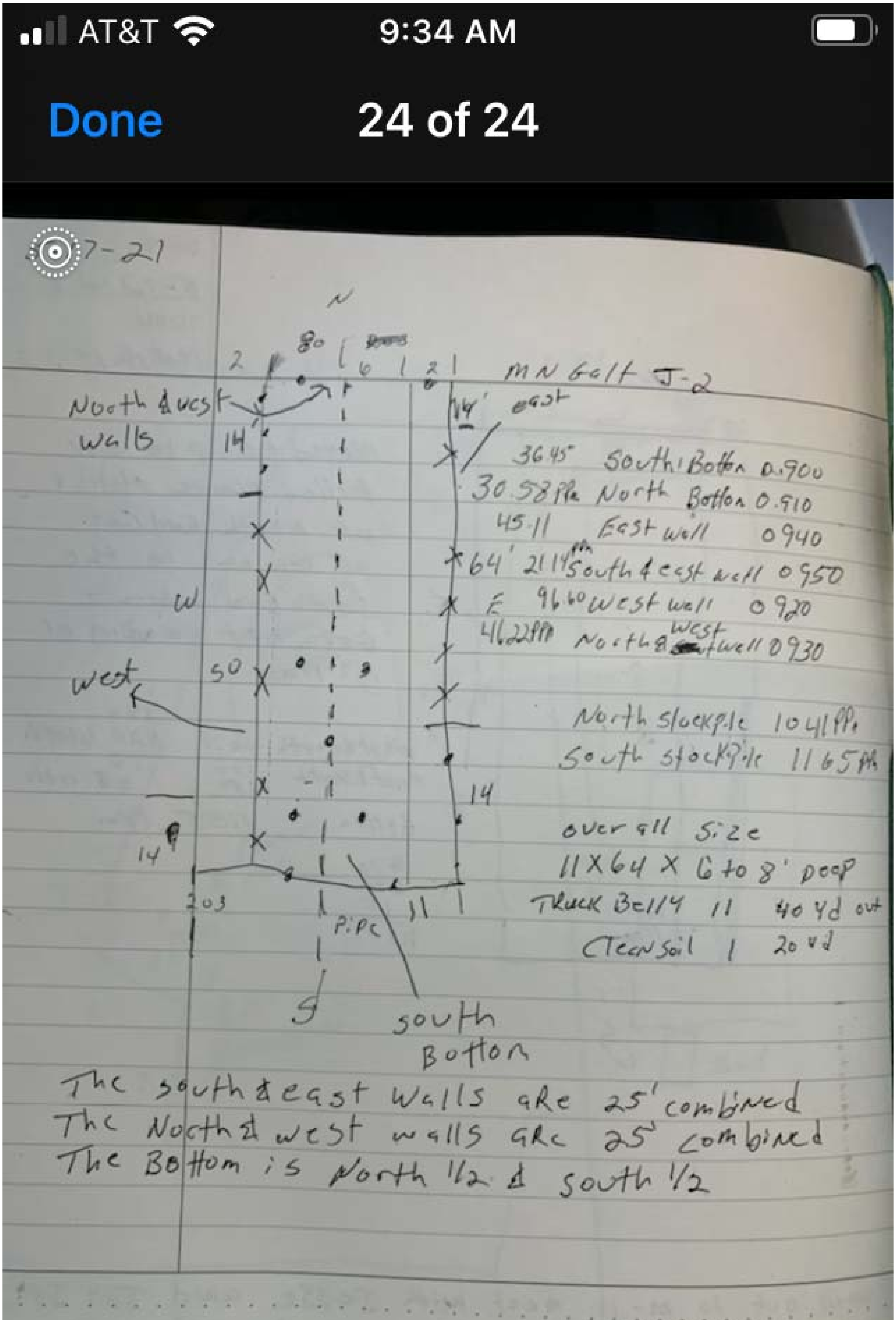
Photo 1: Excavated pipeline, view is to the north, May 17, 2021.

Photo 2: Final excavation extents, May 17, 2021.

Galt J2
NMOCD Incident No. nAPP2105656531
Pipeline Release Excavation Clearance

Photo 3: Backfilled excavation, May 20, 2021.

Photo 4: Backfilled excavation, May 20, 2021.


AT&T
9:34 AM
Done
24 of 24
7-21
N
MN Golf J-2
North & west walls
14' east
36.45 South Bottom 0900
30.58 ppm North Bottom 0910
45.11 East wall 0940
64' 21.11 ppm South & east wall 0950
96.60 west wall 0920
46.22 ppm North & west wall 0930
W
west
50
14
North stockpile 1041 ppm
South stockpile 1165 ppm
over all Size
11 X 64 X 6 to 8' deep
Truck Belly 11 40 yd out
Clean Soil 1 20 yd
203
11
Pipe
S
south Bottom
The south & east walls are 25' combined
The North & west walls are 25' combined
The Bottom is North 1/2 & south 1/2

Analytical Report
Lab Order **2104D05**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Bottom Composite
Project: M.N. Galt J-2
Collection Date: 4/29/2021 8:20:00 AM
Lab ID: 2104D05-001 **Matrix:** SOIL **Received Date:** 4/30/2021 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/4/2021 12:59:00 PM	59801
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	470	8.3		mg/Kg	1	5/4/2021 6:00:01 PM	59808
Motor Oil Range Organics (MRO)	670	41		mg/Kg	1	5/4/2021 6:00:01 PM	59808
Surr: DNOP	103	70-130		%Rec	1	5/4/2021 6:00:01 PM	59808
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	15	5.0		mg/Kg	1	5/3/2021 7:07:03 PM	59749
Surr: BFB	175	70-130	S	%Rec	1	5/3/2021 7:07:03 PM	59749
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	5/3/2021 7:07:03 PM	59749
Toluene	ND	0.050		mg/Kg	1	5/3/2021 7:07:03 PM	59749
Ethylbenzene	0.068	0.050		mg/Kg	1	5/3/2021 7:07:03 PM	59749
Xylenes, Total	0.45	0.10		mg/Kg	1	5/3/2021 7:07:03 PM	59749
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	5/3/2021 7:07:03 PM	59749

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

Qualifiers:

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

Analytical Report
Lab Order **2104D05**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: West and North Walls
Project: M.N. Galt J-2
Collection Date: 4/29/2021 8:40:00 AM
Lab ID: 2104D05-002 **Matrix:** SOIL **Received Date:** 4/30/2021 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	59		mg/Kg	20	5/4/2021 1:36:14 PM	59801
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**	
Diesel Range Organics (DRO)	320	9.3		mg/Kg	1	5/5/2021 3:12:54 PM	59808
Motor Oil Range Organics (MRO)	290	46		mg/Kg	1	5/5/2021 3:12:54 PM	59808
Surr: DNOP	119	70-130		%Rec	1	5/5/2021 3:12:54 PM	59808
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/3/2021 8:17:54 PM	59749
Surr: BFB	91.0	70-130		%Rec	1	5/3/2021 8:17:54 PM	59749
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.025		mg/Kg	1	5/3/2021 8:17:54 PM	59749
Toluene	ND	0.050		mg/Kg	1	5/3/2021 8:17:54 PM	59749
Ethylbenzene	ND	0.050		mg/Kg	1	5/3/2021 8:17:54 PM	59749
Xylenes, Total	ND	0.10		mg/Kg	1	5/3/2021 8:17:54 PM	59749
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/3/2021 8:17:54 PM	59749

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

Qualifiers:

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

Analytical Report
Lab Order **2104D05**
Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: East and South Walls
Project: M.N. Galt J-2
Collection Date: 4/29/2021 9:00:00 AM
Lab ID: 2104D05-003 **Matrix:** SOIL **Received Date:** 4/30/2021 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/4/2021 2:38:15 PM	59801
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	170	9.7		mg/Kg	1	5/4/2021 7:09:54 PM	59808
Motor Oil Range Organics (MRO)	180	49		mg/Kg	1	5/4/2021 7:09:54 PM	59808
Surr: DNOP	117	70-130		%Rec	1	5/4/2021 7:09:54 PM	59808
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/3/2021 9:28:44 PM	59749
Surr: BFB	99.0	70-130		%Rec	1	5/3/2021 9:28:44 PM	59749
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	5/3/2021 9:28:44 PM	59749
Toluene	ND	0.049		mg/Kg	1	5/3/2021 9:28:44 PM	59749
Ethylbenzene	ND	0.049		mg/Kg	1	5/3/2021 9:28:44 PM	59749
Xylenes, Total	ND	0.097		mg/Kg	1	5/3/2021 9:28:44 PM	59749
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/3/2021 9:28:44 PM	59749

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

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

May 19, 2021

Monica Smith

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

RE: MN Gult J-2 OrderNo.: 2105754

Dear Monica Smith:

Hall Environmental Analysis Laboratory received 6 sample(s) on 5/18/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: South Bottom
Project: MN Gult J-2
Collection Date: 5/17/2021 9:00:00 AM
Lab ID: 2105754-001
Matrix: MEOH (SOIL)
Received Date: 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/18/2021 8:50:35 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	41	9.2		mg/Kg	1	5/18/2021 9:37:42 AM	60095
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/18/2021 9:37:42 AM	60095
Surr: DNOP	105	70-130		%Rec	1	5/18/2021 9:37:42 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	5/18/2021 8:52:45 AM	60084
Surr: BFB	93.7	70-130		%Rec	1	5/18/2021 8:52:45 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	5/18/2021 8:52:45 AM	60084
Toluene	ND	0.038		mg/Kg	1	5/18/2021 8:52:45 AM	60084
Ethylbenzene	ND	0.038		mg/Kg	1	5/18/2021 8:52:45 AM	60084
Xylenes, Total	ND	0.075		mg/Kg	1	5/18/2021 8:52:45 AM	60084
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	5/18/2021 8:52:45 AM	60084

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** North Bottom
Project: MN Gult J-2 **Collection Date:** 5/17/2021 9:10:00 AM
Lab ID: 2105754-002 **Matrix:** MEOH (SOIL) **Received Date:** 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/18/2021 9:03:00 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/18/2021 9:38:48 AM	60095
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2021 9:38:48 AM	60095
Surr: DNOP	103	70-130		%Rec	1	5/18/2021 9:38:48 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	5/18/2021 9:16:27 AM	60084
Surr: BFB	93.8	70-130		%Rec	1	5/18/2021 9:16:27 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.021		mg/Kg	1	5/18/2021 9:16:27 AM	60084
Toluene	ND	0.041		mg/Kg	1	5/18/2021 9:16:27 AM	60084
Ethylbenzene	ND	0.041		mg/Kg	1	5/18/2021 9:16:27 AM	60084
Xylenes, Total	ND	0.083		mg/Kg	1	5/18/2021 9:16:27 AM	60084
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	5/18/2021 9:16:27 AM	60084

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

Qualifiers:

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

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** West Wall
Project: MN Gult J-2 **Collection Date:** 5/17/2021 9:20:00 AM
Lab ID: 2105754-003 **Matrix:** MEOH (SOIL) **Received Date:** 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/18/2021 9:15:25 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/18/2021 9:48:38 AM	60095
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/18/2021 9:48:38 AM	60095
Surr: DNOP	101	70-130		%Rec	1	5/18/2021 9:48:38 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	5/18/2021 9:40:13 AM	60084
Surr: BFB	90.0	70-130		%Rec	1	5/18/2021 9:40:13 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016		mg/Kg	1	5/18/2021 9:40:13 AM	60084
Toluene	ND	0.033		mg/Kg	1	5/18/2021 9:40:13 AM	60084
Ethylbenzene	ND	0.033		mg/Kg	1	5/18/2021 9:40:13 AM	60084
Xylenes, Total	ND	0.066		mg/Kg	1	5/18/2021 9:40:13 AM	60084
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	5/18/2021 9:40:13 AM	60084

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

Qualifiers:

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

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: North & West Wall
Project: MN Gult J-2
Collection Date: 5/17/2021 9:30:00 AM
Lab ID: 2105754-004
Matrix: MEOH (SOIL)
Received Date: 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	61		mg/Kg	20	5/18/2021 9:27:49 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/18/2021 9:58:16 AM	60095
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/18/2021 9:58:16 AM	60095
Surr: DNOP	120	70-130		%Rec	1	5/18/2021 9:58:16 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	5/18/2021 10:04:01 AM	60084
Surr: BFB	92.2	70-130		%Rec	1	5/18/2021 10:04:01 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.016		mg/Kg	1	5/18/2021 10:04:01 AM	60084
Toluene	ND	0.032		mg/Kg	1	5/18/2021 10:04:01 AM	60084
Ethylbenzene	ND	0.032		mg/Kg	1	5/18/2021 10:04:01 AM	60084
Xylenes, Total	ND	0.065		mg/Kg	1	5/18/2021 10:04:01 AM	60084
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	5/18/2021 10:04:01 AM	60084

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

Qualifiers:

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

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest **Client Sample ID:** East Wall
Project: MN Gult J-2 **Collection Date:** 5/17/2021 9:40:00 AM
Lab ID: 2105754-005 **Matrix:** MEOH (SOIL) **Received Date:** 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/18/2021 9:40:13 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/18/2021 10:07:56 AM	60095
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2021 10:07:56 AM	60095
Surr: DNOP	103	70-130		%Rec	1	5/18/2021 10:07:56 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	5/18/2021 10:27:34 AM	60084
Surr: BFB	94.8	70-130		%Rec	1	5/18/2021 10:27:34 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.020		mg/Kg	1	5/18/2021 10:27:34 AM	60084
Toluene	ND	0.040		mg/Kg	1	5/18/2021 10:27:34 AM	60084
Ethylbenzene	ND	0.040		mg/Kg	1	5/18/2021 10:27:34 AM	60084
Xylenes, Total	ND	0.080		mg/Kg	1	5/18/2021 10:27:34 AM	60084
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	5/18/2021 10:27:34 AM	60084

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

Qualifiers:

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

Analytical Report
Lab Order **2105754**
Date Reported: **5/19/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: South & East Wall
Project: MN Gult J-2
Collection Date: 5/17/2021 9:50:00 AM
Lab ID: 2105754-006
Matrix: MEOH (SOIL)
Received Date: 5/18/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	5/18/2021 9:52:38 AM	60094
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
Diesel Range Organics (DRO)	26	10		mg/Kg	1	5/18/2021 10:17:37 AM	60095
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2021 10:17:37 AM	60095
Surr: DNOP	115	70-130		%Rec	1	5/18/2021 10:17:37 AM	60095
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	5/18/2021 10:51:00 AM	60084
Surr: BFB	97.2	70-130		%Rec	1	5/18/2021 10:51:00 AM	60084
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.019		mg/Kg	1	5/18/2021 10:51:00 AM	60084
Toluene	ND	0.039		mg/Kg	1	5/18/2021 10:51:00 AM	60084
Ethylbenzene	ND	0.039		mg/Kg	1	5/18/2021 10:51:00 AM	60084
Xylenes, Total	ND	0.077		mg/Kg	1	5/18/2021 10:51:00 AM	60084
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	5/18/2021 10:51:00 AM	60084

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2105754**
19-May-21

Client: Harvest
Project: MN Gult J-2

Sample ID: **MB-60094**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **60094**	RunNo: **77454**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2750080** Units: **mg/Kg**

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

Sample ID: **LCS-60094**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **60094**	RunNo: **77454**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2750081** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	90	110			

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2105754**
19-May-21

Client: Harvest
Project: MN Gult J-2

Sample ID: **MB-60095**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **60095**	RunNo: **77457**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2749236** 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	10		10.00		105	70	130			

Sample ID: **LCS-60095**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **60095**	RunNo: **77457**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2749245** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.2	68.9	141			
Surr: DNOP	5.0		5.000		99.5	70	130			

Sample ID: **2105754-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **South Bottom**	Batch ID: **60095**	RunNo: **77456**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2749263** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	77	9.3	46.73	40.51	78.6	15	184			
Surr: DNOP	4.6		4.673		97.7	70	130			

Sample ID: **2105754-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **South Bottom**	Batch ID: **60095**	RunNo: **77456**
Prep Date: **5/18/2021**	Analysis Date: **5/18/2021**	SeqNo: **2749264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	71	10	49.95	40.51	61.5	15	184	8.09	23.9	
Surr: DNOP	5.3		4.995		107	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2105754**
19-May-21

Client: Harvest
Project: MN Gult J-2

Sample ID: **mb-60084** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS** Batch ID: **60084** RunNo: **77459**
Prep Date: **5/17/2021** Analysis Date: **5/18/2021** SeqNo: **2749986** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	70	130			

Sample ID: **lcs-60084** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS** Batch ID: **60084** RunNo: **77459**
Prep Date: **5/17/2021** Analysis Date: **5/18/2021** SeqNo: **2749987** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.4	78.6	131			
Surr: BFB	1000		1000		103	70	130			

Sample ID: **2105754-001ams** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **South Bottom** Batch ID: **60084** RunNo: **77459**
Prep Date: Analysis Date: **5/18/2021** SeqNo: **2749994** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.8	18.81	0	98.8	61.3	114			
Surr: BFB	800		752.5		107	70	130			

Sample ID: **2105754-001amsd** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **South Bottom** Batch ID: **60084** RunNo: **77459**
Prep Date: Analysis Date: **5/18/2021** SeqNo: **2749995** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	3.8	18.81	0	101	61.3	114	2.20	20	
Surr: BFB	820		752.5		109	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2105754**

19-May-21

Client: Harvest

Project: MN Gult J-2

Sample ID: **mb-60084**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **60084**	RunNo: **77459**
Prep Date: **5/17/2021**	Analysis Date: **5/18/2021**	SeqNo: **2750028** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: **LCS-60084**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **60084**	RunNo: **77459**
Prep Date: **5/17/2021**	Analysis Date: **5/18/2021**	SeqNo: **2750029** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: Harvest | Work Order Number: 2105754 | RcptNo: 1

Received By: Cheyenne Cason 5/18/2021 7:30:00 AM

Completed By: Cheyenne Cason 5/18/2021 7:40:02 AM

Reviewed By: NB 5/18/2021

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: JR 5/18/21

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	1.3	Good	Yes			
2	2.6	Good	Yes			

Chain-of-Custody Record

Client: Harvest midstream

Mailing Address: 1755 ARROYO DR
Bloom Field NM 87413

Phone #:

email or Fax#: MSmith@harvestmidstream.com

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

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: Same Day
☐ Standard ☑ Rush 5-18-21

Project Name: MN Gelt J-2

Project #:

Project Manager: Monica Smith

Sampler: Morgan Killion

On Ice: ☑ Yes ☐ No

# of Coolers: 2 1.4-0.1=1.3

Cooler Temp(including CF): 2.7-0.1=2.6 (°C)

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2105754	BTEX / ~~MTBE~~ / ~~TMB's~~ (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chlorides
5/17/21	0900	soil	South Bottom	1-402	Cool	001	X	X									X
5/17/21	0910	soil	North Bottom	1-402		002	X	X									X
5/17/21	0920	soil	West wall	1-402		003	X	X									X
5/17/21	0930	soil	North & West wall	1-402		004	X	X									X
5/17/21	0940	soil	East wall	1-407		005	X	X									X
5/17/21	0950	soil	South & East wall	1-407		006	X	X									X

Date	Time	Relinquished by	Received by	Via	Date	Time
5/17/21	1335	Morgan Killion	Kristen Walls		5/17/21	1325
5/17/21	1811	Kristen Walls	CEC Courier		5/18/21	0730

Remarks: morgan.killion@yahoo.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

NMOCD Site Assessment/Characterization, Remediation & Closure

Site Name:	**Galt J2 Pipeline**
API or Facility#:	NA
Lat/Long:	N36.610415 W107.942307
TRS:	D-6-27N-10W
Land Jurisdiction:	Federal
County:	San Juan
Determination made by:	David Reese, CHMM/Environmental Scientist
Date:	5/10/2021

Wellhead Protection Area Assessment:

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

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

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

release location is within a non-blue line significant watercourse as defined in NMAC 19.15.17.7(P)

Depth to Groundwater Determination (NMAC 19.15.29.11A.2)

Cathodic Report/Site Specific Hydrogeology	A 2012 hydrogeologic report for the Galt MN J2 located 360' south and 10' lower estimated dtw at 50 to 100 ft bgs.
Elevation Differential	~85 ft higher than Kutz Wash approx. 0.75 mi to the west
Water Wells	no registered wells within 1/2 mile
Cathodic Report Nearby Wells	no registered wells within 1/2 mile

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

Explain any 'Yes' Marks:

release location is within a non-blue line significant watercourse as defined in NMAC 19.15.17.7(P)

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

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

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

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

Galt J#2 Pipeline Hydrogeologic Report for Siting Criteria

General Geology and Hydrology

The San Juan Basin is a typical Rocky Mountain basin with a gently dipping southern flank and a steeply dipping northern flank. Asymmetrically layered Tertiary sandstones and shales, along with Quaternary alluvial deposits, dominate surficial geology (Dane and Bachman, 1965). The proposed pit location will be located in the southern Kutz Canyon region of San Juan County. The predominant geologic formation is the Nacimiento Formation of Tertiary age, which underlies surface soils and is often exposed (Dane and Bachman, 1965). Deposits of Quaternary alluvial and aeolian sands occur prominently near the surface of the area, especially near streams and washes.

Cretaceous and Tertiary sandstones, as well as Quaternary alluvial deposits serve as the primary aquifers in the San Juan basin (Stone et al., 1983). In most of the proposed area, the Nacimiento Formation lies at the surface and grades into the Animas Formation to the west. Thickness of the Nacimiento ranges from 418 to 2232 feet (Stone et al., 1983). Aquifers within the coarser and continuous sandstone bodies of the Nacimiento Formation are between 0 and 1000' deep in this section of the basin (Stone et al., 1983). Groundwater within these aquifers flows toward the San Juan River.

The prominent soil type at the proposed site are entisols and aridsoils, which are defined as soils that exhibit little to no any profile development (www.emnrd.state.nm.us). Soils are basically unaltered from their parent rock. Miles of arroyos washes and intermittent streams exist as part of the drainage network towards the San Juan River. These features often cut into soil and other unconsolidated materials, contributing to sedimentation downstream. The sudden influx of water from storm events easily erodes the soils that cover the area and prohibits effective recharge to the underlying aquifers.

Dry and arid weather further prohibit active recharge. The climate of the region is arid, averaging 8 to 12 inches of rain fall annually. As is typical of the southwestern United States monsoonal weather patterns, most precipitation fall from August through October. The heaviest rainfall occurs in the summer in isolated, intense cloudbursts. November through June is relatively dry. Snow generally falls from December to mid-February and averages less than one-half inch in depth. However, most recharge occurs during the winter months during snowmelt periods from the upper elevations (Western Regional Climate Center www.wrcc.dri.edu)

The predominant vegetation is sagebrush and grasses with a more restricted pinion-juniper association (Dick-Peddie, 1993). However, vegetation is very sparse and discontinuous.

Site Specific Hydrogeology

Depth to groundwater is estimated to be between 50 and 100 feet. This estimation is based on data from Stone and others (1983), the USGS Groundwater Atlas of the United States and depth to groundwater data published on the New Mexico State Engineer's iWaters Database website. Local topography and proximity to surface hydrologic features are also taken into consideration.

Beds of water-yielding sandstone are present in the Nacimiento Formation, which are fluvial in origin and are interbedded with siltstone, shale and coal. Porous sandstones form the principal aquifers, while relatively impermeable shales form confining units between the aquifers (Stone et al., 1983). Local aquifers exist within the Nacimiento Formation at depths greater than 100 feet and thicknesses of the aquifer can be up to 3,500 feet (USGS, Groundwater Atlas of the US).

The site in question is located near Kutz Canyon, where deeply eroded sandstone-capped mesas and slope-forming mudstone occur in a sparsely vegetated and arid badlands-type setting. Broad shaley hills are interspersed with occasional sandstone outcrops, and systems of dry washes and their tributaries are evident. See attached NMOCD Site Assessment/Characterization, Remediation & Closure sheet for depth to water determination information.

National Flood Hazard Layer FIRMette

FEMA

107°56'52"W 36°36'50"N

107°56'14"W 36°36'21"N

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

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
- 17.5 Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 5/11/2021 at 11:59 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.

U.S. Fish and Wildlife Service

National Wetlands Inventory

Galt J2 Pipeline - Wetland Map

May 11, 2021

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.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

No PODs found.

UTMNAD83 Radius Search (in meters):

Easting (X): 236852 **Northing (Y):** 4055702 **Radius:** 805

From:	Monica Smith
To:	Joyner, Ryan N; Smith, Cory, EMNRD
Cc:	Angela Ledgerwood; Karen Lupton; Kayleigh Ruybalid; Jim Stiffler; Hernandez, Emily, EMNRD; Robert Maxwell - (C); morgankillion@yahoo.com; Lloyd Bell
Subject:	RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH
Date:	Monday, April 26, 2021 10:11:34 AM
Attachments:	image001.png image003.png

Please be advised that we will be sampling on Thursday April 29th at 8:00 am.

Please let me know if you have any questions.

Thank –you,

Monica Smith
Envrionmental Specialist
Harvest Four Corners, LLC
msmith@harvestmidstream.com
(505) 632-4625 - office
(505) 947-1852 - cell

From: Joyner, Ryan N [mailto:rjoyner@blm.gov]
Sent: Friday, February 26, 2021 10:41 AM
To: Kijun Hong <khong@harvestmidstream.com>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Angela Ledgerwood <aledgerwood@animasenvironmental.com>; Karen Lupton <klupton@animasenvironmental.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid <truybalid@harvestmidstream.com>; Jim Stiffler <jstiffler@harvestmidstream.com>; Hernandez, Emily, EMNRD <Emily.Hernandez@state.nm.us>
Subject: RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

HI Kijun-

As a major please follow the spill reporting requirements found under NTL-3A for the BLM. If you have questions regarding the required information you are welcome to give me a call.

Thanks,

Ryan Joyner
Planning and Environmental Coordinator
BLM-New Mexico
Farmington Field Office
970.799.6619

From: Kijun Hong <khong@harvestmidstream.com>
Sent: Friday, February 26, 2021 10:35 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Joyner, Ryan N <rjoyner@blm.gov>
Cc: Angela Ledgerwood <aledgerwood@animasenvironmental.com>; Karen Lupton <klupton@animasenvironmental.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid <truybalid@harvestmidstream.com>; Jim Stiffler <jstiffler@harvestmidstream.com>; Hernandez, Emily, EMNRD <Emily.Hernandez@state.nm.us>
Subject: RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

We have put in the One call and plan on initial excavation early next week.

Will keep everyone posted.

From: Smith, Cory, EMNRD [mailto:Cory.Smith@state.nm.us]
Sent: Friday, February 26, 2021 8:47 AM
To: Kijun Hong; Joyner, Ryan N
Cc: Angela Ledgerwood; Karen Lupton; Monica Smith; Kayleigh Ruybalid; Jim Stiffler; Hernandez, Emily, EMNRD
Subject: RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

Kijun,

Thank you for the notification, please submit your initial C-141 no later than March 12, 2021

When does Harvest intend to excavate the pipeline to perform repairs? Is remediation going to occur at the same time?

Cory Smith • Environmental Specialist
Environmental Bureau
EMNRD - Oil Conservation Division
1000 Rio Brazos | Aztec, NM 87410
505.334.6178 x115 | Cory.Smith@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Kijun Hong <khong@harvestmidstream.com>
Sent: Thursday, February 25, 2021 2:51 PM
To: Joyner, Ryan N <rjoyner@blm.gov>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>
Cc: Angela Ledgerwood <aledgerwood@animasenvironmental.com>; Karen Lupton <klupton@animasenvironmental.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid <truybalid@harvestmidstream.com>; Jim Stiffler <jstiffler@harvestmidstream.com>
Subject: [EXT] RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

Natural gas release.

We will need to excavate the pipe to get the orifice diameter to calculate a gas loss but I would

anticipate that it is <50mcf.

Will follow up once we have official volumes.

From: Joyner, Ryan N [mailto:rjoyner@blm.gov]
Sent: Thursday, February 25, 2021 2:47 PM
To: Kijun Hong; 'Smith, Cory, EMNRD'; 'Griswold, Jim, EMNRD'
Cc: Angela Ledgerwood; Karen Lupton; Monica Smith; Kayleigh Ruybalid; Jim Stiffler
Subject: RE: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

Kijun- Was there gas or liquids released? How much are you estimating right now?

From: Kijun Hong <khong@harvestmidstream.com>
Sent: Thursday, February 25, 2021 2:27 PM
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>; 'Griswold, Jim, EMNRD' <Jim.Griswold@state.nm.us>; Joyner, Ryan N <rjoyner@blm.gov>
Cc: Angela Ledgerwood <aledgerwood@animasenvironmental.com>; Karen Lupton <klupton@animasenvironmental.com>; Monica Smith <msmith@harvestmidstream.com>; Kayleigh Ruybalid <truybalid@harvestmidstream.com>; Jim Stiffler <jstiffler@harvestmidstream.com>
Subject: [EXTERNAL] Immediate Notification - Harvest - Galt J2 Line Leak - IN DRY WASH

Harvest discovered a release today (2/25/2021) on our Galt J2 Pipeline (36.610415, -107.942307) which is in a dry wash on BLM surface ownership. C-141 and NTL-3A forms will be submitted as required.

There are no signs of associated liquids and the line has been shut in.

There were no fires, injuries, and no emergency services were dispatched in association with this release.

Please let this serve as immediate notification. Further details to follow.

Thank You,
Kijun

Kijun Hong | Harvest Midstream Company| Environmental Specialist | Four Corners
Office: 505-632-4475 | Cell: 505-436-8457 | 1755 Arroyo Dr., Bloomfield, NM 87413

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

The information contained in this email message is confidential and may be legally privileged and is intended only for the use of the individual or entity named above. If you are not an intended recipient or if you have received this message in error, you are hereby notified that any dissemination, distribution, or copy of this email is strictly prohibited. If you have received this email in error, please immediately notify us by return email or telephone if the sender's phone number is listed above, then promptly and permanently delete this message.

While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission, opening, or use of this message and any attachments will not adversely affect its systems or data. No responsibility is accepted by the company in this regard and the recipient should carry out such virus and other checks as it considers appropriate.

From: Monica Smith
To: David Reese
Cc: Karen Lupton
Subject: RE: [EXTERNAL] Re: Update Galt J2
Date: Tuesday, May 11, 2021 8:16:50 PM

The samples last week came back above 100 for DRO, GRO, MRO.

A one call was placed, operations will be out later this week to provide additional clean up.

Monica

From: David Reese <dreese@animasenvironmental.com>
Sent: Monday, May 10, 2021 2:46 PM
To: Monica Smith <msmith@harvestmidstream.com>
Cc: Karen Lupton <klupton@animasenvironmental.com>
Subject: [EXTERNAL] Re: Update Galt J2

Dear Monica,

For the Galt J2 closure reporting, please provide:

field notes (if any),
sampling diagram (something we can use to make a figure with),
photographs of the remediated site prior to backfill

Thanks,

David Reese

Environmental Scientist/CHMM/CPESC

Animas Environmental Services

624 E Comanche St., Farmington, NM 87401

(505) 564-2281

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 29426

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 29426
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	2/22/2022