

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	NRM2004546891
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

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

### Location of Release Source

Latitude 36.942783 Longitude -107.438431  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Rosa 089 MV Pipeline	Site Type Natural Gas Pipeline
Date Release Discovered 9/27/19	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	34	32N	6W	Rio Arriba

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) 23.214	Volume Recovered (Mcf) no liquids
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release

Natural gas pipeline leak, no liquids

Leak was below-ground and has been repaired

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004546891
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Facility ID	
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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?

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

Immediate notice, by Kijun Hong to Cory Smith and Jim Griswold on September 28, 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*

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

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

No recoverable materials and no free liquids to remove.

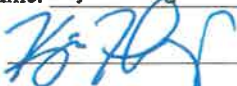
Soil samples were collected from the excavation base and sidewalls and submitted for laboratory analysis. Results were all below laboratory detection limits. Lab results are attached.

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: Kijun Hong

Title: Environmental Specialist

Signature: 

Date: 10/21/2019

email: khong@harvestmidstream.com

Telephone: 505-632-4475

OCD Only

Received by: Ramona Marcus

Date: 2/14/2020

Form C-141

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State of New Mexico  
Oil Conservation Division

Incident ID	NRM2004546891
District RP	
Facility ID	
Application ID	

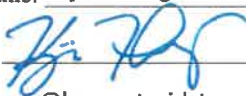
## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Kijun Hong Title: Environmental Specialist  
Signature:  Date: 10/21/2019  
email: khong@harvestmidstream.com Telephone: 505-632-4475

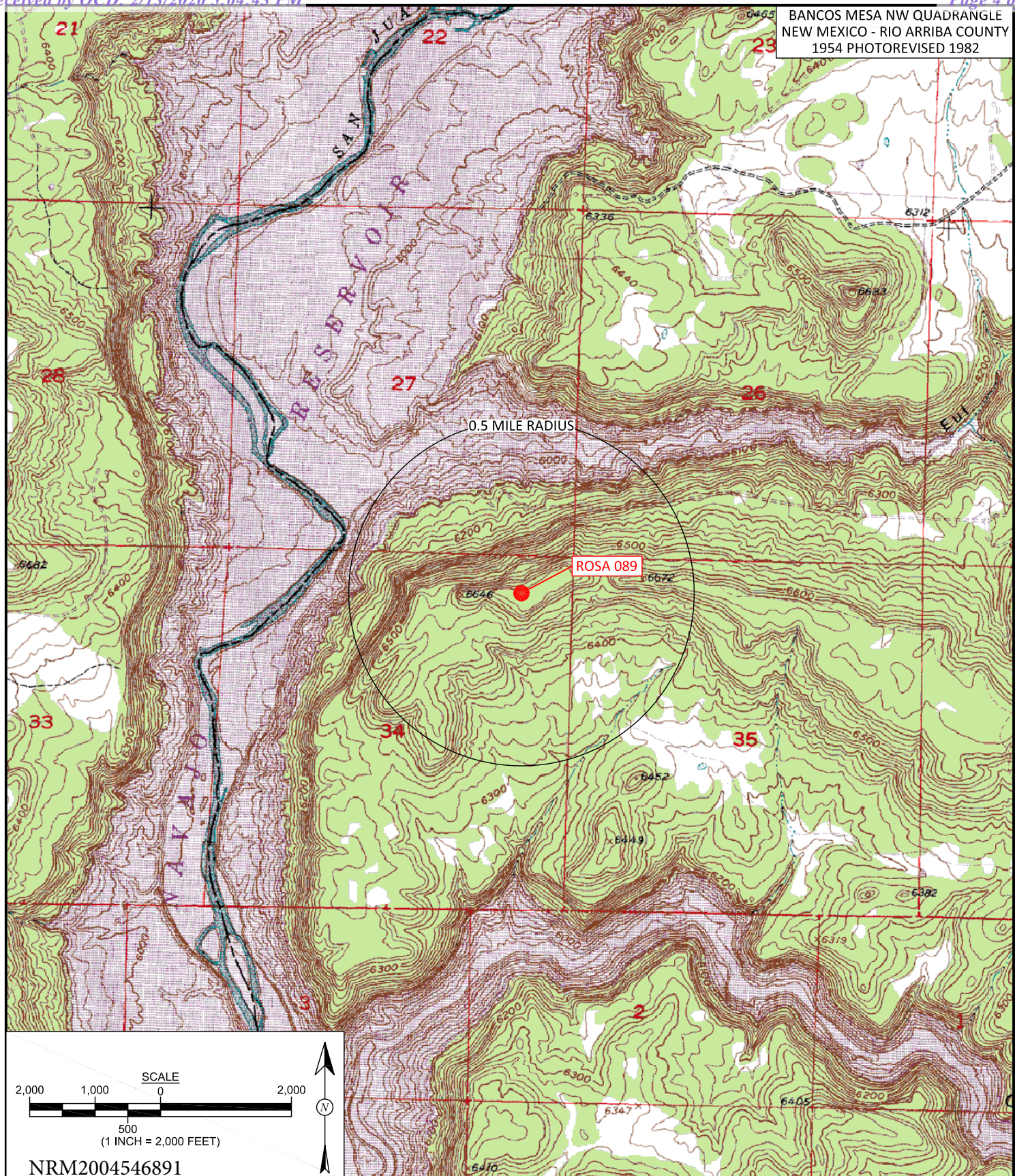
**OCD Only**

Received by: Ramona Marcus Date: 2/14/2020

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: \_\_\_\_\_



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**DRAWN BY:**  
C. Lameman

**DATE DRAWN:**  
October 2, 2019

**REVISIONS BY:**  
C. Lameman

**DATE REVISED:**  
October 2, 2019

**CHECKED BY:**  
E. McNally

**DATE CHECKED:**  
October 2, 2019

**APPROVED BY:**  
E. McNally

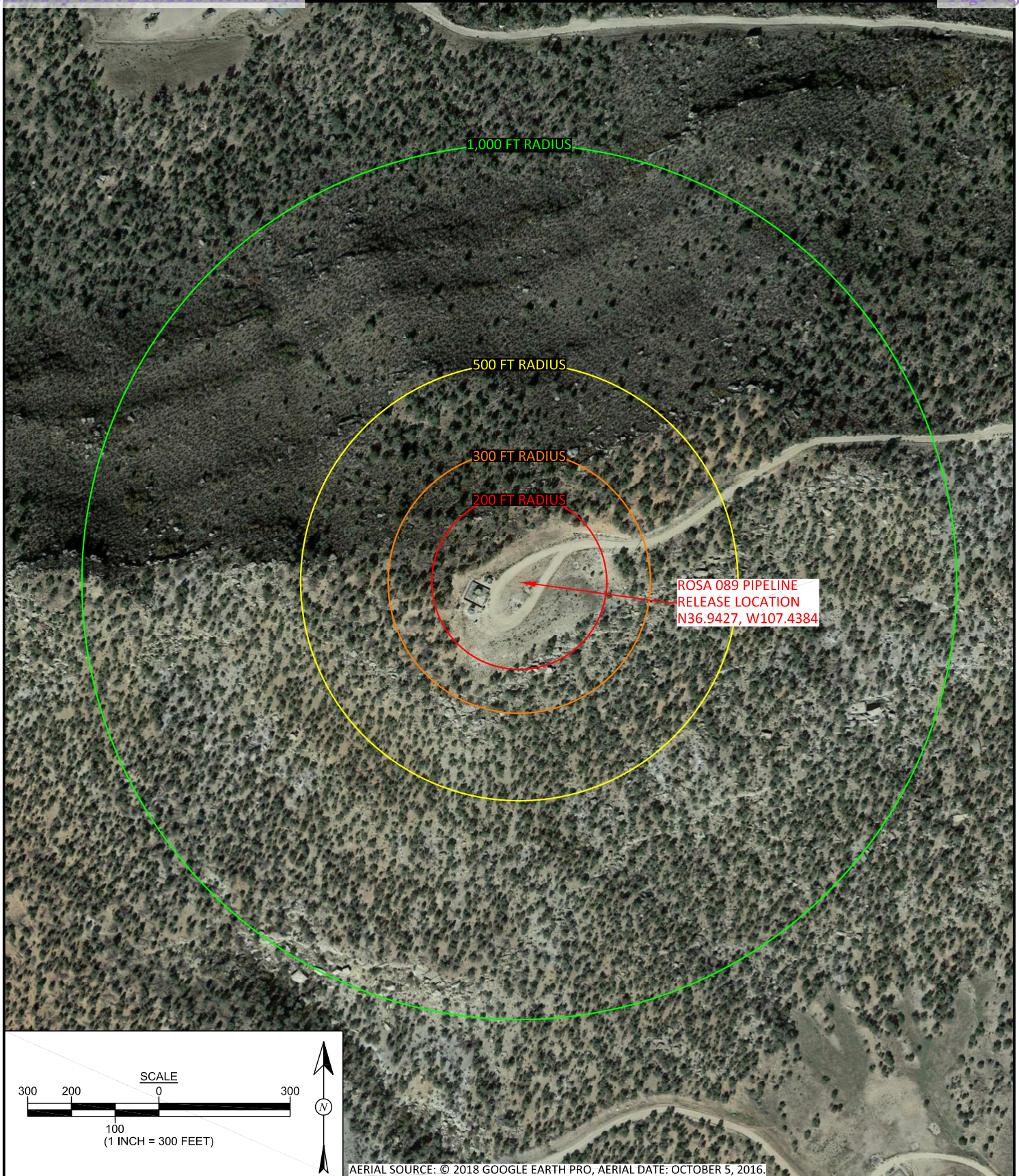
**DATE APPROVED:**  
October 2, 2019

## FIGURE 1

### TOPOGRAPHIC SITE LOCATION MAP

HARVEST MIDSTREAM  
ROSA 089

NE $\frac{1}{4}$  NE $\frac{1}{4}$ , SECTION 34, T32N, R6W  
RIO ARriba COUNTY, NEW MEXICO  
N36.9427, W107.4384



NRM2004546891



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animasenvironmental.com

**DRAWN BY:**

C. Lameman

**DATE DRAWN:**

October 2, 2019

**REVISIONS BY:**

C. Lameman

**DATE REVISED:**

October 2, 2019

**CHECKED BY:**

E. McNally

**DATE CHECKED:**

October 2, 2019

**APPROVED BY:**

E. McNally

**DATE APPROVED:**

October 2, 2019

**FIGURE 2****AERIAL SITE LOCATION MAP**

HARVEST MIDSTREAM  
ROSA 089

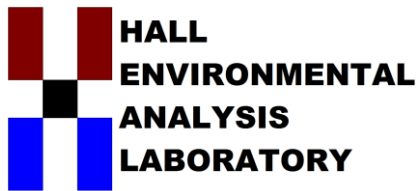
NE $\frac{1}{4}$  NE $\frac{1}{4}$ , SECTION 34, T32N, R6W  
RIO ARriba COUNTY, NEW MEXICO  
N36.9427, W107.4384



Harvest Midstream Rosa 089 MV Pipeline  
Latitude/Longitude: 36.942783 -107.438431  
Photo Date: 9/27/2019



Harvest Midstream Rosa 089 MV Pipeline  
Latitude/Longitude: 36.942783 -107.438431  
Photo Date: 9/27/2019



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

October 11, 2019

Jesse Graham

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Rosa 89

OrderNo.: 1910364

Dear Jesse Graham:

Hall Environmental Analysis Laboratory received 2 sample(s) on 10/5/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

NRM2004546891

## Analytical Report

Lab Order 1910364

Date Reported: 10/11/2019

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Bottom

Project: Rosa 89

Collection Date: 10/3/2019 3:08:00 PM

Lab ID: 1910364-001

Matrix: SOIL

Received Date: 10/5/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CJS
Chloride	ND	60		mg/Kg	20	10/9/2019 2:26:39 PM	48035
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	10/8/2019 11:28:59 PM	47973
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/8/2019 11:28:59 PM	47973
Surr: DNOP	128	70-130		%Rec	1	10/8/2019 11:28:59 PM	47973
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/8/2019 12:31:47 PM	47976
Surr: BFB	94.8	77.4-118		%Rec	1	10/8/2019 12:31:47 PM	47976
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/8/2019 12:31:47 PM	47976
Toluene	ND	0.049		mg/Kg	1	10/8/2019 12:31:47 PM	47976
Ethylbenzene	ND	0.049		mg/Kg	1	10/8/2019 12:31:47 PM	47976
Xylenes, Total	ND	0.099		mg/Kg	1	10/8/2019 12:31:47 PM	47976
Surr: 4-Bromofluorobenzene	91.5	80-120		%Rec	1	10/8/2019 12:31:47 PM	47976

NRM2004546891

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

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

## Analytical Report

Lab Order 1910364

Date Reported: 10/11/2019

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Sides

Project: Rosa 89

Collection Date: 10/3/2019 3:08:00 PM

Lab ID: 1910364-002

Matrix: SOIL

Received Date: 10/5/2019 9:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CJS</b>
Chloride	ND	60		mg/Kg	20	10/9/2019 2:39:03 PM	48035
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/8/2019 11:51:01 PM	47973
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/8/2019 11:51:01 PM	47973
Surr: DNOP	226	70-130	S	%Rec	1	10/8/2019 11:51:01 PM	47973
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/8/2019 1:40:33 PM	47976
Surr: BFB	97.2	77.4-118		%Rec	1	10/8/2019 1:40:33 PM	47976
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/8/2019 1:40:33 PM	47976
Toluene	ND	0.050		mg/Kg	1	10/8/2019 1:40:33 PM	47976
Ethylbenzene	ND	0.050		mg/Kg	1	10/8/2019 1:40:33 PM	47976
Xylenes, Total	ND	0.10		mg/Kg	1	10/8/2019 1:40:33 PM	47976
Surr: 4-Bromofluorobenzene	95.4	80-120		%Rec	1	10/8/2019 1:40:33 PM	47976

NRM2004546891

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

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

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

WO#: 1910364

11-Oct-19

**Client:** Harvest**Project:** Rosa 89

Sample ID: <b>MB-48035</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>48035</b>	RunNo: <b>63533</b>								
Prep Date: <b>10/9/2019</b>	Analysis Date: <b>10/9/2019</b>	SeqNo: <b>2171599</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-48035</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>48035</b>	RunNo: <b>63533</b>								
Prep Date: <b>10/9/2019</b>	Analysis Date: <b>10/9/2019</b>	SeqNo: <b>2171600</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.9	90	110			

NRM2004546891

**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#: 1910364

11-Oct-19

**Client:** Harvest**Project:** Rosa 89

Sample ID: <b>LCS-47973</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>47973</b>			RunNo: <b>63485</b>						
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>			SeqNo: <b>2170017</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.8	63.9	124			
Surr: DNOP	4.9		5.000		98.6	70	130			

Sample ID: <b>MB-47973</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>47973</b>			RunNo: <b>63485</b>						
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>			SeqNo: <b>2170018</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		105	70	130			

Sample ID: <b>LCS-48012</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>48012</b>			RunNo: <b>63525</b>						
Prep Date: <b>10/8/2019</b>	Analysis Date: <b>10/9/2019</b>			SeqNo: <b>2170483</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		92.1	70	130			

Sample ID: <b>MB-48012</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>48012</b>			RunNo: <b>63525</b>						
Prep Date: <b>10/8/2019</b>	Analysis Date: <b>10/9/2019</b>			SeqNo: <b>2170486</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.2	70	130			

NRM2004546891

**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#: 1910364

11-Oct-19

**Client:** Harvest**Project:** Rosa 89

Sample ID: <b>MB-47976</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169919</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	77.4	118			

Sample ID: <b>LCS-47976</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169920</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	80	120			
Surr: BFB	1100		1000		114	77.4	118			

Sample ID: <b>1910364-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>Bottom</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169922</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	24.95	0	102	69.1	142			
Surr: BFB	1100		998.0		113	77.4	118			

Sample ID: <b>1910364-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>Bottom</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169923</b>			Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.98	0	107	69.1	142	4.72	20	
Surr: BFB	1100		999.0		113	77.4	118	0	0	

NRM2004546891

**Qualifiers:**

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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#: 1910364

11-Oct-19

**Client:** Harvest**Project:** Rosa 89

Sample ID: <b>MB-47976</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169939</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	80	120			

Sample ID: <b>LCS-47976</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169940</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			

Sample ID: <b>1910364-002AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Sides</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169943</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9794	0.01069	96.8	76	123			
Toluene	1.0	0.049	0.9794	0.01010	102	80.3	127			
Ethylbenzene	1.0	0.049	0.9794	0.01107	105	80.2	131			
Xylenes, Total	3.0	0.098	2.938	0.03009	102	78	133			
Surr: 4-Bromofluorobenzene	0.93		0.9794		95.4	80	120			

Sample ID: <b>1910364-002AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>Sides</b>	Batch ID: <b>47976</b>	RunNo: <b>63496</b>								
Prep Date: <b>10/7/2019</b>	Analysis Date: <b>10/8/2019</b>	SeqNo: <b>2169944</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9690	0.01069	90.9	76	123	7.25	20	
Toluene	0.97	0.048	0.9690	0.01010	99.0	80.3	127	4.37	20	
Ethylbenzene	0.98	0.048	0.9690	0.01107	100	80.2	131	5.67	20	
Xylenes, Total	2.9	0.097	2.907	0.03009	98.2	78	133	5.15	20	
Surr: 4-Bromofluorobenzene	0.96		0.9690		99.0	80	120	0	0	

**Qualifiers:**

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

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



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

## Sample Log-In Check List

Client Name: **Harvest**Work Order Number: **1910364**RcptNo: **1**Received By: **Erin Melendrez**

10/5/2019 9:05:00 AM

Completed By: **Erin Melendrez**

10/5/2019 10:51:43 AM

Reviewed By: **ENM**

10/6/19

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
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: *df* 10/6/19

### 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	0.6	Good	Yes			

NRM2004546891

