

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	nCS1927552565
District RP	
Facility ID	
Application ID	

## Release Notification

# DENIED

### Responsible Party

Responsible Party: LOGOS Operating, LLC	OGRID: 289408
Contact Name: Larissa Farrell	Contact Telephone: 505-787-2027
Contact email: lfarrell@logosresourcesllc.com	Incident # (assigned by OCD) nCS1927552565
Contact mailing address: 2010 Afton Place Farmington, NM 87401	

### Location of Release Source

Closure Report Denied, Does not meet requirements of 19.15.29.12 NMAC  
No photos of remediation,  
Samples dont meet reclamation requirements.  
Review/Resubmit no later than 3/20/2020

Latitude 36.8868675 Longitude -107.3385239  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Rosa Unit 322A	Site Type: Well
Date Release Discovered: 9/3/2019	API# (if applicable): 30-039-29941

Unit Letter	Section	Township	Range	County
E	23	31N	5W	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 checked="" type="checkbox"/> Produced Water	Volume Released (bbls): Unknown	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride 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 type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The cause of this release is unknown. OCD inspectors found signs of release in secondary containment. The area will be delineated and remediation will be conducted to the area. The secondary containment is not lined.

Form C-141

State of New Mexico

Page 2

Oil Conservation Division

Incident ID	
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?

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

### 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:

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: Larissa Farrell

Title: Regulatory/Environmental Technician

Signature: 

Date: 9/16/19

email: lfarrell@logosresourcesllc.com

Telephone: (505) 787-2027

#### OCD Only

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

Date: \_\_\_\_\_

Incident ID	
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?

181 (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

State of New Mexico  
Oil Conservation Division

Page 4

Incident ID	
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: Larissa Farrell Title: Env/Reg TechnicianSignature:  Date: 12/2/19email: lfarrell@logosresourcesllc.com Telephone: (505)787-2027**OCD Only**

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

Form C-141

State of New Mexico

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Larissa Farrell Title: Env/Reg Technician

Signature:  Date: 12/2/19

email: lfarrell@logosresourcesllc.com Telephone: (505)787-2027

### OCD Only

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

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

Closure Approved by: **DENIED** Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_



2010 Afton Place  
Farmington, NM 87401  
Phone: (505) 278-8720  
Fax: (505) 326-6112

December 2, 2019

Cory Smith  
New Mexico Oil Conservation Division  
1000 Rio Brazos Road  
Aztec, New Mexico 87410

Re: nCS1927552565  
Rosa Unit 322A Remediation Activity  
30-039-29941  
SEC. 23, T31N AND R05W  
[Rio Arriba County, NM]

Dear Mr. Smith.

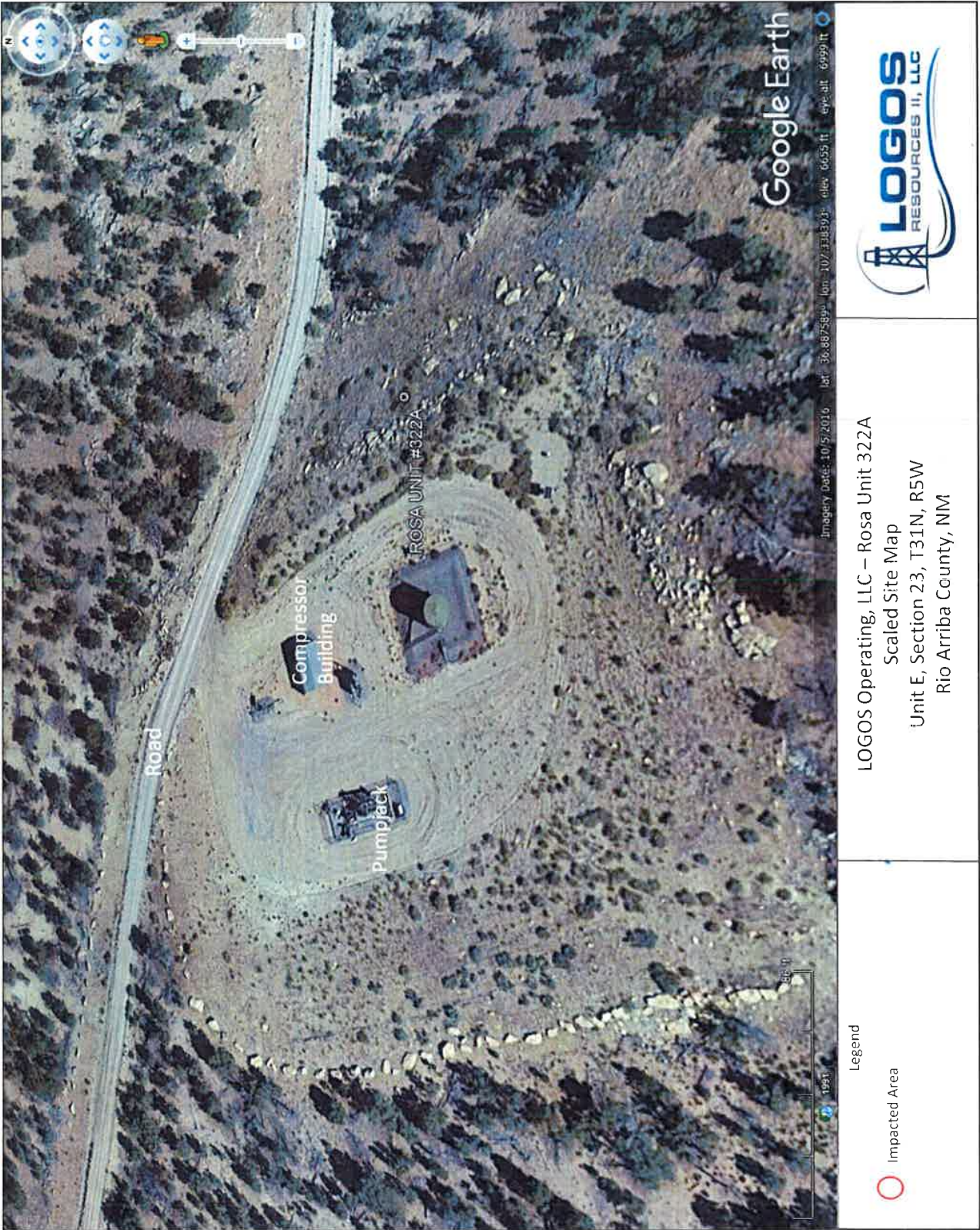
LOGOS Operating, LLC discovered an unknown release at the Rosa Unit 322A that remained within the secondary containment. LOGOS pulled all remaining standing water and applied nitrogen and gypsum to the affected area. LOGOS scheduled the confirmation sampling on 11/1/2019 with the NMOCD. One 5-point composite sample was collected from within the secondary containment and delivered on ice to Envirotech Laboratories. The closest depth to ground water is located 6784' away in Section 13, T31N, R05W at the Rosa Unit #061 with record depth to groundwater at 60' bgs. With the difference in elevation, the depth to groundwater at Rosa Unit 322A is estimated at 181' bgs. The results from the sampling confirmed the NMAC 19.15.29.12 ( E) Table I closure criteria has been met.

Sincerely,

A handwritten signature in blue ink, appearing to read "Larissa Farrell". The signature is fluid and cursive.

Larissa Farrell  
Environmental/Regulatory Technician













## Analytical Report

### Report Summary

Client: Logos Operating, LLC

Samples Received: 11/1/2019

Job Number: 12035-0114

Work Order: P911041

Project Name/Location: Rosa Unit

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 11/11/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.  
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.  
Partial or Incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.  
Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.  
Envirotech, Inc. holds the Texas TNI certification T104704557-19-2 for the data reported.



Logos Operating, LLC  
PO Box 18  
Flora Vista NM, 87415

Project Name: Rosa Unit  
Project Number: 12035-0114  
Project Manager: Larissa Farrell

**Reported:**  
11/11/19 15:44

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Rosa Unit 322A	P911041-01A	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.
	P911041-01B	Soil	11/01/19	11/01/19	Glass Jar, 4 oz.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Logos Operating, LLC	Project Name:	Rosa Unit	<b>Reported:</b> 11/11/19 15:44
PO Box 18	Project Number:	12035-0114	
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	

**Rosa Unit 322A**  
**P911041-01 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150	1944038	11/01/19	11/04/19	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	65.4	25.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Oil Range Organics (C28-C40)	177	50.0	mg/kg	1	1945003	11/04/19	11/04/19	EPA 8015D	
Surrogate: n-Nonane		104 %		50-200	1945003	11/04/19	11/04/19	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1944038	11/01/19	11/04/19	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		86.5 %		50-150	1944038	11/01/19	11/04/19	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	58.2	40.0	mg/kg	2	1945002	11/04/19	11/05/19	EPA 300.0/9056A	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





Logos Operating, LLC  
PO Box 18  
Flora Vista NM, 87415

Project Name: Rosa Unit  
Project Number: 12035-0114  
Project Manager: Larissa Farrell

Reported:  
11/11/19 15:44

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 1944038 - Purge and Trap EPA 5030A

##### Blank (1944038-BLK1)

Prepared: 11/01/19 1 Analyzed: 11/04/19 2

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							

Surrogate: 4-Bromochlorobenzene-PID 8.19 8.00 102 50-150

##### LCS (1944038-BS1)

Prepared: 11/01/19 1 Analyzed: 11/05/19 0

Benzene	5.05	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.15	0.0250	"	5.00		103	70-130			
Ethylbenzene	5.04	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.0	0.0500	"	10.0		100	70-130			
o-Xylene	4.98	0.0250	"	5.00		99.6	70-130			
Total Xylenes	15.0	0.0250	"	15.0		100	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.53 8.00 94.2 50-150

##### Matrix Spike (1944038-MS1)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Benzene	5.02	0.0250	mg/kg	5.00	ND	100	54.3-133			
Toluene	5.13	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.03	0.0250	"	5.00	ND	101	61.4-133			
p,m-Xylene	10.0	0.0500	"	10.0	ND	100	63.3-131			
o-Xylene	5.03	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.0	0.0250	"	15.0	ND	100	63.3-131			

Surrogate: 4-Bromochlorobenzene-PID 8.25 8.00 103 50-150

##### Matrix Spike Dup (1944038-MSD1)

Source: P910199-01

Prepared: 11/01/19 1 Analyzed: 11/05/19 1

Benzene	5.06	0.0250	mg/kg	5.00	ND	101	54.3-133	0.683	20	
Toluene	5.10	0.0250	"	5.00	ND	102	61.4-130	0.505	20	
Ethylbenzene	5.00	0.0250	"	5.00	ND	100	61.4-133	0.591	20	
p,m-Xylene	9.95	0.0500	"	10.0	ND	99.5	63.3-131	0.697	20	
o-Xylene	4.96	0.0250	"	5.00	ND	99.2	63.3-131	1.30	20	
Total Xylenes	14.9	0.0250	"	15.0	ND	99.4	63.3-131	0.899	20	

Surrogate: 4-Bromochlorobenzene-PID 8.13 8.00 102 50-150

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Logos Operating, LLC  
PO Box 18  
Flora Vista NM, 87415

Project Name: Rosa Unit  
Project Number: 12035-0114  
Project Manager: Larissa Farrell

Reported:  
11/11/19 15:44

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 1945003 - DRO Extraction EPA 3570

##### Blank (1945003-BLK1)

Prepared: 11/04/19 | Analyzed: 11/05/19 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	53.9		"	50.0		108	50-200			

##### LCS (1945003-BS1)

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	480	25.0	mg/kg	500		96.0	38-132			
Surrogate: n-Nonane	48.8		"	50.0		97.6	50-200			

##### Matrix Spike (1945003-MS1)

Source: P910199-01

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	506	25.0	mg/kg	500	ND	101	38-132			
Surrogate: n-Nonane	48.8		"	50.0		97.7	50-200			

##### Matrix Spike Dup (1945003-MSD1)

Source: P910199-01

Prepared & Analyzed: 11/04/19 1

Diesel Range Organics (C10-C28)	517	25.0	mg/kg	500	ND	103	38-132	2.31	20	
Surrogate: n-Nonane	49.9		"	50.0		99.9	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Logos Operating, LLC  
PO Box 18  
Flora Vista NM, 87415

Project Name: Rosa Unit  
Project Number: 12035-0114  
Project Manager: Larissa Farrell

Reported:  
11/11/19 15:44

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1944038 - Purge and Trap EPA 5030A</b>										
<b>Blank (1944038-BLK1)</b>				Prepared: 11/01/19 1 Analyzed: 11/04/19 2						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		#	8.00		84.8	50-150			
<b>LCS (1944038-BS2)</b>				Prepared: 11/01/19 1 Analyzed: 11/05/19 1						
Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0		92.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		#	8.00		85.7	50-150			
<b>Matrix Spike (1944038-MS2)</b>				Source: P910199-01 Prepared: 11/01/19 1 Analyzed: 11/05/19 1						
Gasoline Range Organics (C6-C10)	48.1	20.0	mg/kg	50.0	ND	96.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		#	8.00		85.3	50-150			
<b>Matrix Spike Dup (1944038-MSD2)</b>				Source: P910199-01 Prepared: 11/01/19 1 Analyzed: 11/05/19 1						
Gasoline Range Organics (C6-C10)	48.8	20.0	mg/kg	50.0	ND	97.6	70-130	1.41	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		#	8.00		84.8	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.





Logos Operating, LLC  
PO Box 18  
Flora Vista NM, 87415

Project Name: Rosa Unit  
Project Number: 12035-0114  
Project Manager: Larissa Farrell

Reported:  
11/11/19 15:44

### Anions by 300.0/9056A - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1945002 - Anion Extraction EPA 300.0/9056A</b>										
<b>Blank (1945002-BLK1)</b>										
Chloride	ND	20.0	mg/kg							Prepared: 11/04/19 0 Analyzed: 11/04/19 1
<b>LCS (1945002-BS1)</b>										
Chloride	256	20.0	mg/kg	250		102	90-110			Prepared: 11/04/19 0 Analyzed: 11/04/19 1
<b>Matrix Spike (1945002-MS1)</b>										
Chloride	284	20.0	mg/kg	250	27.1	103	80-120			Prepared: 11/04/19 0 Analyzed: 11/04/19 1
<b>Matrix Spike Dup (1945002-MSD1)</b>										
Chloride	283	20.0	mg/kg	250	27.1	102	80-120	0.335	20	Prepared: 11/04/19 0 Analyzed: 11/04/19 1

#### QC Summary Report

##### Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Logos Operating, LLC	Project Name:	Rosa Unit	<b>Reported:</b> 11/11/19 15:44
PO Box 18	Project Number:	12035-0114	
Flora Vista NM, 87415	Project Manager:	Larissa Farrell	

#### Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

### Chain of Custody

Page 7 of 7

[illegible]

5796 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com  
labadmin@envirotech-inc.com

Page 9 of 10



### Chain of Custody

Page 7 of 7

[illegible]

5795 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone (505) 362-1879

Ph (505) 632-1851 Fx (505) 632-1855

envrotech-inc.com  
labadmin@envrotech-inc.com

Page 10 of 10





DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS IN  
NORTHWEST NEW MEXICO

OPERATOR: Williams Production Company LOCATION: N 13 31 5 LEASE NUMBER: SF-078762

NAME OF WELL/WELLS OR PIPELINE SERVICED: ROSA UNIT #061 DK 30-039-21396  
DUALWELL N/A

ELEVATION: 6527' GR COMPLETION DATE: 11/21/87 TOTAL DEPTH: 500 ft. LAND TYPE: FED

CASING: 7-5/8" 26.4# K-55 Set @ N/A ft. Casing is not cemented.

CEMENT PLUG--Top:N/A' Bottom: N/A' Used 0 sx. Class "B" (1.18 cu.ft./sk.).

WATER DEPTH: 60 ' Water zone thickness not available. WATER DESCRIPTION: Fresh

DEPTH OF GAS: N/A '

COKE: 6345 lbs. of Metallurgical coke breeze used.

NUMBER &amp; TYPE OF ANODES: 10-D TOP ANODE @ 315 ft. BOTTOM ANODE @ 465 ft.

VENT PIPE: 1" PVC Set @ 500 ft. Vent pipe perforated from 295 ft. to 500 ft.

REMARKS:

RECEIVED  
DEC 11 1991OIL CON. DIV.  
DIST. 3

Top of Cement @ N/A'

Casing @ N/A'

Bottom of Cement @ N/A'

Perforated Vent Pipe

Top Anode @ 315'

10-D Anodes

Bottom Anode @ 465'

6-3/4" Hole to 500'