

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	3R-1024
Facility ID	
Application ID	

Release Notification

Responsible Party

PCS 1507831688

Responsible Party	DJR Operating, LLC	OGRID	371838
Contact Name	Amy Archuleta	Contact Telephone	505-632-3476
Contact email	aarchuleta@djrlc.com	Incident # (assigned by OCD)	MS 1828855421
Contact mailing address	1 Road 6263 Aztec, NM 87410		

Location of Release Source

Latitude 36.396484 Longitude -108.06024
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Ciniza Pipeline S13-T25N-R13W	Site Type	Pipeline
Date Release Discovered	September 11, 2018	API# (if applicable)	NA

Unit Letter	Section	Township	Range	County
O	13	25N	12W	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) 10 bbls	Volume Recovered (bbls) 6 bbls
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls) 17 bbls	Volume Recovered (bbls) unknown
☒ Natural Gas	Volume Released (Mcf) unknown	Volume Recovered (Mcf)
☐ Other (describe) Waste Tank	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

During pigging operations a pin hole leak occurred.

NMOC

NOV 15 2018

DISTRICT III

26

November 8, 2018

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

Sent via electronic mail to:
cory.smith@state.nm.us

**RE: Excavation Clearance Report
Ciniza 13 Pipeline September 2018 Release
Incident No. NCS 1828855421
San Juan County, New Mexico**

Dear Mr. Smith:

On September 24, 2018, DJR Operating, LLC (DJR) completed an environmental clearance of the final excavation limits at the DJR Ciniza Pipeline release located in San Juan County, New Mexico. Soil contamination occurred on September 11, 2018, when a pin hole leak was discovered in the pipeline during pigging operations. Remediation and final excavation activities were completed by DJR contractors prior to excavation clearance sampling on September 24, 2018.

1.0 Site Information

1.1 Location

Site Name – Ciniza 13 Pipeline September 2018 Release
Legal Description – SW¼ SE¼, Section 13, T25N, R13W, San Juan County, New Mexico
Release Latitude/Longitude – N36.39648 and W108.06024, respectively
Land Jurisdiction – Navajo Nation Allotment
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map and Sample Locations

1.2 NMOCD Action Levels

The Ciniza 13 Pipeline is located within the Navajo Nation Allotment. Navajo Nation Environmental Protection Agency (NNEPA) adheres to action levels for releases and spills as

604 W. Piñon St.
Farmington, NM 87401
505-564-2281

1911 Main, Ste 206
Durango, CO 81301
970-403-3084

- Chlorides per USEPA Method 300.0.

2.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1 and on Figure 2. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results – Benzene, Total BTEX, TPH, and Chlorides
 Ciniza 13 Pipeline September 2018 Release Final Excavation

<i>Sample ID</i>	<i>Date Sampled</i>	<i>Sample Depth (ft bgs)</i>	<i>Benzene (mg/kg)</i>	<i>Total BTEX (mg/kg)</i>	<i>TPH-GRO (mg/kg)</i>	<i>TPH-DRO (mg/kg)</i>	<i>TPH-MRO (mg/kg)</i>	<i>Chlorides (mg/kg)</i>
<i>NMOCD Action Level*</i>			10	50	1,000/2,500*			20,000
North Pooling Area	9/24/18	0.5	<0.100	<0.100	<20.0	<25.0	<50.0	768
North/West Wall	9/24/18	4	<0.100	<0.100	<20.0	<25.0	<50.0	341
Base	9/24/18	6	<0.100	<0.100	<20.0	26.6	<50.0	635
South/East Wall	9/24/18	4	<0.100	<0.100	<20.0	<25.0	<50.0	94.5
Drainage #1 (1 st 75')	9/24/18	0.5	<0.100	<0.100	<20.0	278	322	400
Drainage #2 (2 nd 75')	9/24/18	0.5	<0.100	<0.100	<20.0	405	479	376

*Action level determined by *NMAC 19.15.29.12 Table I* (2018). TPH (GRO/DRO) action level is 1,000 mg/kg and TPH (GRO/DRO/MRO) action level is 2,500 mg/kg.

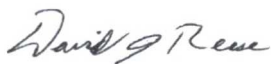
3.0 Conclusions and Recommendations

On September 24, 2018, final clearance of the excavation areas was completed. Laboratory analytical results reported benzene, total BTEX, TPH (as GRO/DRO/MRO), and chloride concentrations in all samples as below applicable NMOCD action levels.

Based on the final laboratory analytical results of the excavation of petroleum contaminated soils at the Ciniza 13 Pipeline release area, benzene, total BTEX, TPH, and chloride concentrations were below the applicable NMOCD action levels. After backfilling, reseeding of the release area consisting of a 67 ft diameter circle and a 10 ft x 47 ft rectangle occurred. No further work is recommended.

If you have any questions about this report or site conditions, please do not hesitate to contact Tami Knight, Project Lead, or 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 Map and Sample Locations
Envirotech Laboratory Analytical Report 17035-0028
Photograph Log

Cc: Amy Archuleta
Regulatory Supervisor
DJR Operating, LLC
1 Road 3263
Aztec, NM 87410-9521
Sent via electronic mail to: aarchuleta@djrlc.com

R:\Animas 2000\Dropbox (Animas Environmental)\0000 AES Server Client Projects Dropbox\2018 Client Projects\DJ Resources\Ciniza Pipeline Release\Ciniza 13 Pipeline Excavation Clearance Report 110818.docx

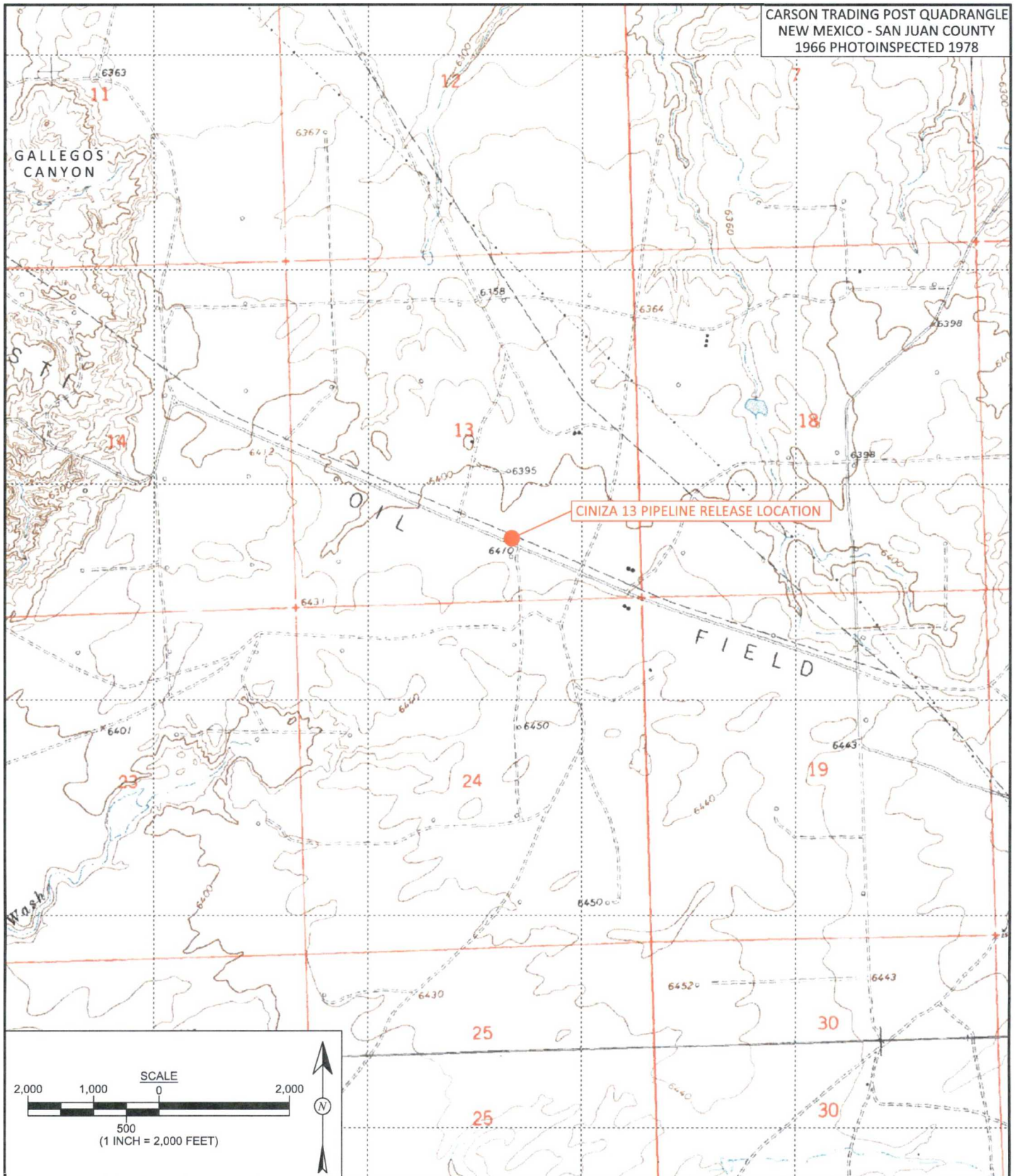


FIGURE 1

TOPOGRAPHIC SITE LOCATION MAP
DJR OPERATING
CINIZA 13 PIPELINE SEPTEMBER 2018 RELEASE
INCIDENT NO. NCS 1828855421
SW¼ SE¼, SECTION 13, T25N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.39648, W108.06024



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services**

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animasenvironmental.com

DRAWN BY:
C. Lameman

DATE DRAWN:
September 21, 2018

REVISIONS BY:
C. Lameman

DATE REVISED:
November 1, 2018

CHECKED BY:
T. Knight

DATE CHECKED:
November 1, 2018

APPROVED BY:
E. McNally

DATE APPROVED:
November 1, 2018

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - MRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			10	50	1,000	2,500	--	20,000
NORTH POOLING AREA	9/24/18	0.5	<0.100	<0.100	<20.0	<25.0	<50.0	768
NORTH/WEST WALL	9/24/18	4	<0.100	<0.100	<20.0	<25.0	<50.0	341
BASE	9/24/18	6	<0.100	<0.100	<20.0	26.6	<50.0	635
SOUTH/EAST WALL	9/24/18	4	<0.100	<0.100	<20.0	<25.0	<50.0	94.5
DRAINAGE #1 (1st 75')	9/24/18	0.5	<0.100	<0.100	<20.0	278	322	400
DRAINAGE #2 (2nd 75')	9/24/18	0.5	<0.100	<0.100	<20.0	405	479	376

ALL COMPOSITE SAMPLES WERE CONFIRMATION SAMPLES AND LAB ANALYZED PER USEPA METHOD 8021, 8015 AND 300.0.

LEGEND

-  COMPOSITE SOIL SAMPLE LOCATION
-  APPROXIMATE PIPELINE LOCATION
-  SURFACE FLOW PATH

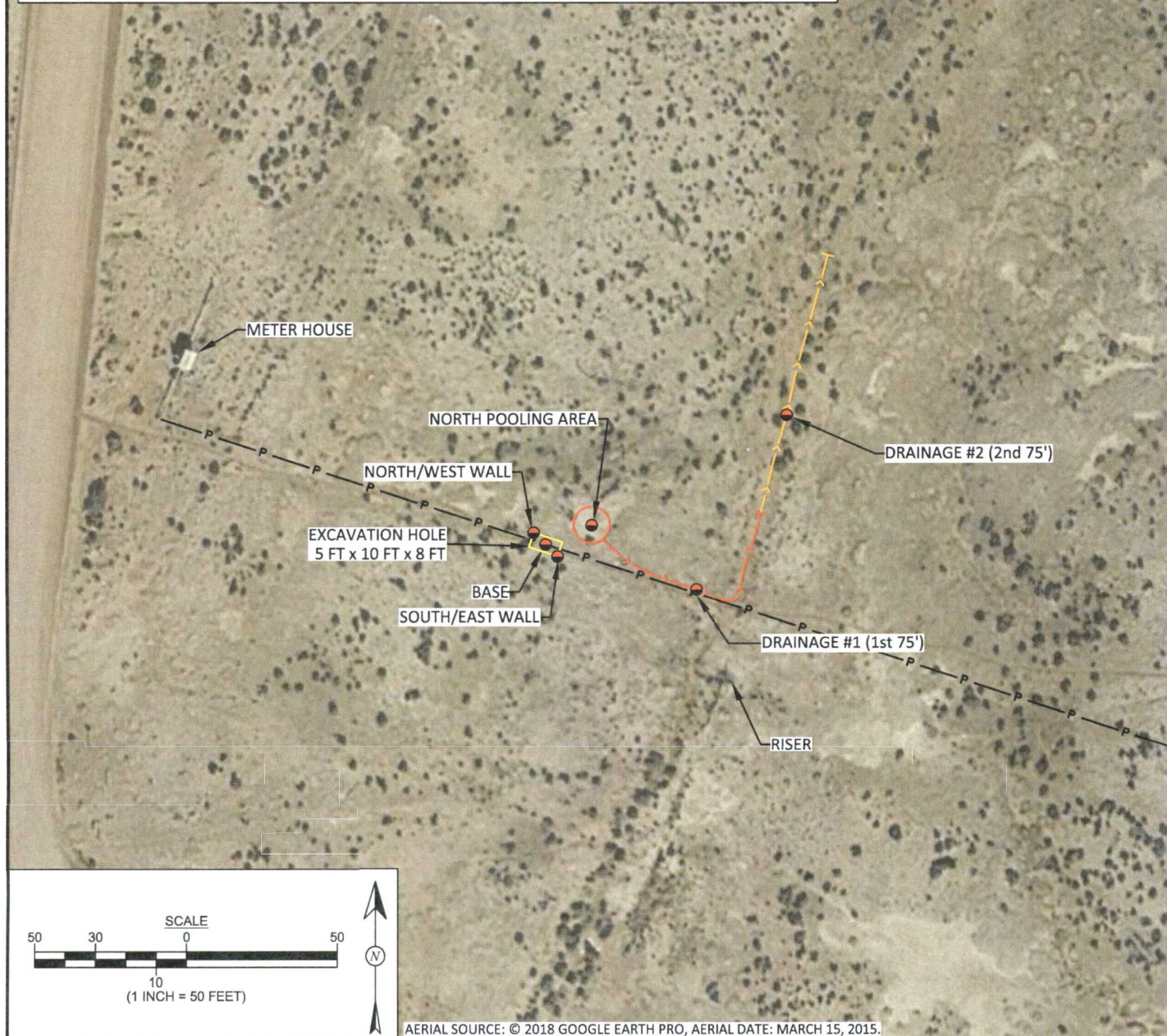


FIGURE 2

AERIAL SITE MAP AND SAMPLE LOCATIONS

DJR OPERATING
CINIZA 13 PIPELINE SEPTEMBER 2018 RELEASE
INCIDENT NO. NCS 1828855421
SW¼ SE¼, SECTION 13, T25N, R12W
SAN JUAN COUNTY, NEW MEXICO
N36.39648, W108.06024



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DRAWN BY:

C. Lameman

DATE DRAWN:

October 25, 2018

REVISIONS BY:

C. Lameman

DATE REVISED:

November 1, 2018

CHECKED BY:

T. Knight

DATE CHECKED:

November 1, 2018

APPROVED BY:

E. McNally

DATE APPROVED:

November 1, 2018

Analytical Report

Report Summary

Client: DJR Operating, LLC
Chain Of Custody Number:
Samples Received: 9/25/2018 10:31:00AM
Job Number: 17035-0028
Work Order: P809053
Project Name/Location: Ciniza Pipeline
13251012W

Report Reviewed By:



Date: 10/1/18

Walter Hinchman, Laboratory Director



Date: 10/1/18

Tim Cain, Project Manager



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.
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Envirotech, Inc. currently holds the appropriate and available Utah TNI certification NM009792018-1 for the data reported.

DJR Operating, LLC
 1 Rd 3263
 Aztec NM, -

 Project Name: Ciniza Pipeline 13251012W
 Project Number: 17035-0028
 Project Manager: Amy Archuleta

Reported:
 10/01/18 15:57

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
North Pooling Area	P809053-01A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.
North/West Wall	P809053-02A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.
Base	P809053-03A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.
South/East Wall	P809053-04A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.
Drainage #1 (1st 75')	P809053-05A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.
Drainage #2 (2nd 75')	P809053-06A	Soil	09/24/18	09/25/18	Glass Jar, 4 oz.

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

North Pooling Area
P809053-01 (Solid)

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organics by EPA 8021

Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/27/18	EPA 8021B	

Surrogate: 4-Bromochlorobenzene-PID

103 % 50-150 1839014 09/27/18 09/27/18 EPA 8021B

Nonhalogenated Organics by 8015

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/27/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	

Surrogate: 1-Chloro-4-fluorobenzene-FID

95.1 % 50-150 1839014 09/27/18 09/27/18 EPA 8015D

Surrogate: n-Nonane

98.0 % 50-200 1839017 09/27/18 09/28/18 EPA 8015D

Anions by 300.0/9056A

Chloride	768	20.0	mg/kg	1	1839019	09/27/18	09/27/18	EPA 300.0/9056A	
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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

**North/West Wall
P809053-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1839014	09/27/18	09/28/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/28/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %		50-150	1839014	09/27/18	09/28/18	EPA 8015D	
Surrogate: n-Nonane		99.3 %		50-200	1839017	09/27/18	09/28/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	341	20.0	mg/kg	1	1839019	09/27/18	09/27/18	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

Base
P809053-03 (Solid)

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150	1839014	09/27/18	09/28/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/28/18	EPA 8015D	
Diesel Range Organics (C10-C28)	26.6	25.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.8 %		50-150	1839014	09/27/18	09/28/18	EPA 8015D	
Surrogate: n-Nonane		99.2 %		50-200	1839017	09/27/18	09/28/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	635	20.0	mg/kg	1	1839019	09/27/18	09/27/18	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

**South/East Wall
P809053-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150	1839014	09/27/18	09/28/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/28/18	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1839017	09/27/18	09/28/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %		50-150	1839014	09/27/18	09/28/18	EPA 8015D	
Surrogate: n-Nonane		103 %		50-200	1839017	09/27/18	09/28/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	94.5	20.0	mg/kg	1	1839019	09/27/18	09/28/18	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

**Drainage #1 (1st 75')
P809053-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1839014	09/27/18	09/28/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/28/18	EPA 8015D	
Diesel Range Organics (C10-C28)	278	25.0	mg/kg	1	1839017	09/27/18	09/29/18	EPA 8015D	
Oil Range Organics (C28-C40+)	322	50.0	mg/kg	1	1839017	09/27/18	09/29/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %		50-150	1839014	09/27/18	09/28/18	EPA 8015D	
Surrogate: n-Nonane		117 %		50-200	1839017	09/27/18	09/29/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	400	20.0	mg/kg	1	1839019	09/27/18	09/28/18	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

**Drainage #2 (2nd 75')
P809053-06 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Toluene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Ethylbenzene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
p,m-Xylene	ND	200	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
o-Xylene	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total Xylenes	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Total BTEX	ND	100	ug/kg	1	1839014	09/27/18	09/28/18	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1839014	09/27/18	09/28/18	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1839014	09/27/18	09/28/18	EPA 8015D	
Diesel Range Organics (C10-C28)	405	25.0	mg/kg	1	1839017	09/27/18	09/29/18	EPA 8015D	
Oil Range Organics (C28-C40+)	479	50.0	mg/kg	1	1839017	09/27/18	09/29/18	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %		50-150	1839014	09/27/18	09/28/18	EPA 8015D	
Surrogate: n-Nonane		118 %		50-200	1839017	09/27/18	09/29/18	EPA 8015D	
Anions by 300.0/9056A									
Chloride	376	20.0	mg/kg	1	1839019	09/27/18	09/28/18	EPA 300.0/9056A	

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

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
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Batch 1839014 - Purge and Trap EPA 5030A

Blank (1839014-BLK1)

Prepared: 09/27/18 0 Analyzed: 09/27/18 2

Benzene	ND	100	ug/kg							
Toluene	ND	100	"							
Ethylbenzene	ND	100	"							
p,m-Xylene	ND	200	"							
o-Xylene	ND	100	"							
Total Xylenes	ND	100	"							
Total BTEX	ND	100	"							
Surrogate: 4-Bromochlorobenzene-PID	8220		"	8000		103	50-150			

LCS (1839014-BS1)

Prepared: 09/27/18 0 Analyzed: 09/27/18 2

Benzene	5210	100	ug/kg	5000		104	70-130			
Toluene	5230	100	"	5000		105	70-130			
Ethylbenzene	5270	100	"	5000		105	70-130			
p,m-Xylene	10800	200	"	10000		108	70-130			
o-Xylene	5210	100	"	5000		104	70-130			
Total Xylenes	16000	100	"	15000		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8200		"	8000		103	50-150			

Matrix Spike (1839014-MS1)

Source: P809053-01

Prepared: 09/27/18 0 Analyzed: 09/27/18 2

Benzene	5810	100	ug/kg	5000	ND	116	54.3-133			
Toluene	5840	100	"	5000	ND	117	61.4-130			
Ethylbenzene	5880	100	"	5000	ND	118	61.4-133			
p,m-Xylene	12000	200	"	10000	ND	120	63.3-131			
o-Xylene	5810	100	"	5000	ND	116	63.3-131			
Total Xylenes	17800	100	"	15000	ND	119	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8290		"	8000		104	50-150			

Matrix Spike Dup (1839014-MSD1)

Source: P809053-01

Prepared: 09/27/18 0 Analyzed: 09/28/18 0

Benzene	5590	100	ug/kg	5000	ND	112	54.3-133	3.83	20	
Toluene	5610	100	"	5000	ND	112	61.4-130	4.05	20	
Ethylbenzene	5650	100	"	5000	ND	113	61.4-133	3.93	20	
p,m-Xylene	11500	200	"	10000	ND	115	63.3-131	3.86	20	
o-Xylene	5580	100	"	5000	ND	112	63.3-131	4.04	20	
Total Xylenes	17100	100	"	15000	ND	114	63.3-131	3.92	20	
Surrogate: 4-Bromochlorobenzene-PID	8210		"	8000		103	50-150			

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1839014 - Purge and Trap EPA 5030A

Blank (1839014-BLK1)

Prepared: 09/27/18 0 Analyzed: 09/27/18 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		"	8.00		94.1	50-150			

LCS (1839014-BS2)

Prepared: 09/27/18 0 Analyzed: 09/27/18 2

Gasoline Range Organics (C6-C10)	51.9	20.0	mg/kg	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		"	8.00		97.9	50-150			

Matrix Spike (1839014-MS2)

Source: P809053-01

Prepared: 09/27/18 0 Analyzed: 09/28/18 0

Gasoline Range Organics (C6-C10)	47.2	20.0	mg/kg	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		"	8.00		94.8	50-150			

Matrix Spike Dup (1839014-MSD2)

Source: P809053-01

Prepared: 09/27/18 0 Analyzed: 09/28/18 0

Gasoline Range Organics (C6-C10)	45.3	20.0	mg/kg	50.0	ND	90.5	70-130	4.26	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		"	8.00		97.4	50-150			

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1839017 - DRO Extraction EPA 3570

Blank (1839017-BLK1)

Prepared: 09/27/18 1 Analyzed: 09/28/18 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	53.8		"	50.0		108	50-200			

LCS (1839017-BS1)

Prepared: 09/27/18 1 Analyzed: 09/28/18 2

Diesel Range Organics (C10-C28)	460	25.0	mg/kg	500		92.0	38-132			
Surrogate: n-Nonane	48.8		"	50.0		97.6	50-200			

Matrix Spike (1839017-MS1)

Source: P809053-01

Prepared: 09/27/18 1 Analyzed: 09/28/18 2

Diesel Range Organics (C10-C28)	442	25.0	mg/kg	500	ND	88.4	38-132			
Surrogate: n-Nonane	49.2		"	50.0		98.5	50-200			

Matrix Spike Dup (1839017-MSD1)

Source: P809053-01

Prepared: 09/27/18 1 Analyzed: 09/28/18 2

Diesel Range Organics (C10-C28)	425	25.0	mg/kg	500	ND	85.0	38-132	3.97	20	
Surrogate: n-Nonane	50.4		"	50.0		101	50-200			

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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	Reported: 10/01/18 15:57
1 Rd 3263	Project Number:	17035-0028	
Aztec NM, -	Project Manager:	Amy Archuleta	

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
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Batch 1839019 - Anion Extraction EPA 300.0/9056A
Blank (1839019-BLK1)

Prepared & Analyzed: 09/27/18 1

Chloride	ND	20.0	mg/kg							
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LCS (1839019-BS1)

Prepared & Analyzed: 09/27/18 1

Chloride	257	20.0	mg/kg	250		103	90-110			
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Matrix Spike (1839019-MS1)
Source: P809050-01

Prepared & Analyzed: 09/27/18 1

Chloride	420	20.0	mg/kg	250	163	103	80-120			
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Matrix Spike Dup (1839019-MSD1)
Source: P809050-01

Prepared & Analyzed: 09/27/18 1

Chloride	426	20.0	mg/kg	250	163	105	80-120	1.34	20	
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DJR Operating, LLC	Project Name:	Ciniza Pipeline 13251012W	
1 Rd 3263	Project Number:	17035-0028	Reported:
Aztec NM, -	Project Manager:	Amy Archuleta	10/01/18 15:57

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
RPD	Relative Percent Difference
**	Methods marked with ** are non-accredited methods.

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Project Information

Chain of Custody

Page 1 of 1

Client: BSL Operating LLC
 Project: Ciniza Pipeline 132502W
 Project Manager: Amy Archuleta
 Address: 1 Road 3263
 City, State, Zip: Aztec NM 87410
 Phone: 505-320-6917
 Email: aarchuleta@bsl.com

Report Attention
 Report due by: 10/1/2018
 Attention: Amy Archuleta
 Address:
 City, State, Zip
 Phone:
 Email:

Lab Use Only
 Lab WO# P809053 Job Number 17035-0028
 TAT 1D 3D RCRA CWA SDW

Analysis and Method
 DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 TPH 418.1
 State NM CO UT A

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO	GRO/DRO	BTEX by	VOC by 8	Metals 6	Chloride	TPH 418							Remarks
12:35 pm	9/24/18	S	1	North "Pooling Area"	1		X	X			X								
12:00 pm	9/24/18	S	1	North/West Wall	2		X	X			X								
12:00 pm	9/24/18	S	1	Base	3														
12:20	9/24/18	S	1	South/East Wall	4		X	X			X								
		.																	
12:45	9/24/18	S	1	Drainage # 1 (1 st 75')	5														
1:10 pm	9/24/18	S	1	Drainage # 2 (2 nd 75')	6		X	X			X								

Additional Instructions: vis. ice in cooler - m

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Amy Archuleta

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>[Signature]</u>	Date <u>9/25/18</u>	Time <u>10:31</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>09-25-18</u>	Time <u>10:31</u>	Lab Use Only Received on ice: <u>Y</u> / N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3 AVG Temp °C <u>40</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Project Information

Chain of Custody

Page 1 of 16

Client: SL Operating LLC
 Project: Cin. Za Pipeline 132512W
 Project Manager: Amy Archuleta
 Address: 1 Road 3213
 City, State, Zip: Artes NM 87410
 Phone: 505-320-6917
 Email: aarchuleta@slrllc.com

Report Attention
 Report due by: 10/1/2018
 Attention: Amy Archuleta
 Address:
 City, State, Zip
 Phone:
 Email:

Lab Use Only
 Lab WO# P809053 Job Number 17035-0028
 TAT
 1D 3D RCRA CWA SDV

Analysis and Method
 State
 NM CO UT
 X

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	Remarks
12:35 pm	9/24/18	S	1	North "Pading Area"	1	X	X				X		
12:40 pm	9/24/18	S	1	North/West Wall	2	X	X				X		
12:00 pm	9/24/18	S	1	Base	3	X	X				X		
12:20	9/24/18	S	1	South/East Wall	4	X	X				X		
12:45	9/24/18	S	1	Drainage #1 (1 st 75')	5	X	X				X		
1:10 pm	9/24/18	S	1	Drainage #2 (2 nd 75')	6	X	X				X		

Additional Instructions: vis. ice in cooler - my Added GRO/DRO, BTEX, CI to -03 & -05 per phone convd. w/ A. Archuleta - my 9/25/18

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Amy Archuleta

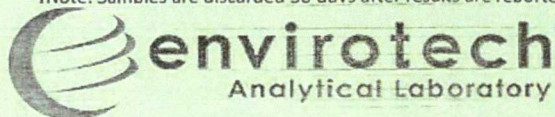
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	<u>9/25/18</u>	<u>10:31</u>	<u>[Signature]</u>	<u>09-25-18</u>	<u>10:31</u>	Received on ice: <u>Y/N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
						AVG Temp °C <u>40</u>

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above laboratory with this COC. The liability of the laboratorv is limited to the amount paid for on the report.



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DJR Operating Ciniza 13 Pipeline Release
36.39648, -108.06024
S13-T25N-R13W
Navajo Nation, San Juan County, New Mexico



Photo 1. Release north pooling area. September 11, 2018.



Photo 2. Release drainage. September 11, 2018.

DJR Operating Ciniza 13 Pipeline Release
36.39648, -108.06024
S13-T25N-R13W
Navajo Nation, San Juan County, New Mexico



Photo 3. Site post-reclamation.



Photo 4. Site post-reclamation.