State of New Mexico Oil Conservation Division

Incident ID	
District RP	1RP-4340
Facility ID	nJXK1619033991
Application ID	pJXK1619034092

### 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: Amber Gnoves	Title: Remediation Courdinator
Signature Amber Gipte	Date: 1/14/2020
email: algroves@tadp.com	Telephone: 575-200-5517
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Bradford Billings	Date:09/21/2020
Printed Name: Bradford Billings	Title: E. Spec. A

State of New Mexico Oil Conservation Division

Incident ID	
District RP	1RP-3791
Facility ID	nKJ1521954222
Application ID	pKJ1521954545

### 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.

<b><u>Closure Report Attachment Checklist</u></b> : Each of the following	ig items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.2	29.11 NMAC
Photographs of the remediated site prior to backfill or pho must be notified 2 days prior to liner inspection)	otos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropriate C	DDC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or reg	
OCD Only	
Received by:	Date:
Closure approval by the OCD does not relieve the responsible paremediate contamination that poses a threat to groundwater, surfaparty of compliance with any other federal, state, or local laws an	arty of liability should their operations have failed to adequately investigate and ace water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by: Bradford Billing	Date: 09/21/2020
Printed Name: Bradford Billings	Title: E. Spec. A



12600 WEST CO RD 91 MIDLAND, TX 79707 OFFICE: 432.653.4203

### SOIL REMEDIATION ACTIVITIES REPORT AND CLOSURE REQUEST

PLAINS PIPELINE, L.P.

LOVINGTON STATION TANK 116901 RELEASE

LEA COUNTY, NM

NMOCD INCIDENT #: 1RP-3791 (DEFERRED) AND 1RP-4340

SRS #: 2016-108

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- Appendix B. NMOCD Email for Backfilling/Deferral
- Appendix C. New Mexico OSE Water Column/Average Water Depth to Groundwater Data
- Appendix D. Laboratory Analytical Reports
- Appendix E. Photographic Documentation
- Appendix F. Field Data
- Appendix G. Waste Manifests

March 5, 2020

New Mexico Oil Conservation Service, District 1New Mexico State Land Office1625 N. French DriveAttn: Mr. Ryan MannHobbs, New Mexico 88240914 N. Linam Street

Re: Soil Remediation Activities Report and Closure Request Lovington Station Tank 116901 Release Unit Letter H, Section 21, Township 18S, Range 36E GPS: N 32.73422°, W 103.35255° Lea County, New Mexico NMOCD Incident #s: 1RP-3791 (Deferred) and 1RP-4340 SRS #: 2016-108

### 1. Introduction

Dean Companies, Inc. (Dean) is pleased to present this Soil Remediation Activities Report and Closure Request on behalf of Plains Pipeline, L.P. (Plains) to document the field excavation activities that were conducted at the Lovington Station Tank 116901 Release site. The crude oil release occurred off Hwy 483, approximately 12.82 miles east/northeast of Hobbs in Lea County, New Mexico in Unit Letter H, Section 21, Township 18S and Range 36E. The GPS coordinate for the site is N 32.73422° and W -103.35255°. This report covers the completion of soil remediation of 1RP-3791 (Deferred) and 1RP-4340. A "Site Location Map" is provided as Figure 1. This site is located on New Mexico State Trust Land.

Hobbs, New Mexico 88240

### 2. Two Release Descriptions and Response Actions

On August 5, 2015, a crude oil release occurred due to internal corrosion along the floor of tank 117275 resulting in a release of approximately one hundred and one (101) barrels (bbl) of crude with approximately sixty-six (66) bbls recovered for a net loss of approximately forty-five (45) bbls. The release was contained onsite within the secondary containment and measured approximately

forty (40) ft. by eighty (80) ft an affecting an area of approximately 2,100 square feet (sq. ft.). A C-141 was filed and given incident number 1RP-3791. According to a Terracon report dated December 29, 2015, entitled "Remediation Summary and Risk Based Closure Report", between August 11, 2015 and October 1, 2015, Terracon personnel oversaw the soil remediation, sampling, and backfilling activities at the site. The entire site was remediated to below standards as set forth in the August 13, 1993 NMOCD guidance document entitled "Guidelines for Remediation of Leaks, Spills and Releases," with the exception of one area which was not accessible due to onsite tank and ancillary equipment. Permission to backfill the western section of the excavation was requested in an August 25, 2019 Terracon email, which was granted by the NMOCD in an email dated August 26, 2019. In a Terracon email dated September 21, 2015 submitted on behalf of Plains, a request for permission to backfill the eastern half of the excavation along with a deferral on remaining hydrocarbon impacted soils was requested. In an email response dated September 22, 2015, a representative of the NMOCD granted permission to backfill the eastern half of the excavation. In addition, within the correspondence of emails the NMOCD stated that incident number 1RP-3791 would remain open until such time as historic contamination is addressed by site abandonment, sale, or closure. See Appendix B for corresponding emails. The soils left in-site until abandonment measured approximately five (5) ft by eight (8) ft and is represented by Terracon's soil sample East RP @ Surf. on Figure 2 "Site and Sample Location Map". This report addresses the remediation of the remaining soils which were left in-situ during the 2015 remediation activities and the completion of incident number 1RP-3791.

On July 3, 2016, a second crude oil released occurred at the site. A C-141 was filed and given incident number 1RP-4340. According to the filed C-141, the release was attributed to internal corrosion along the floor of tank 116901 resulting in a release of approximately seventeen (17) bbls with fifteen (15) bbls recovered for a net loss of two (2) bbls. The release impacted the area previously remediated in August to October 2015 and covering an approximate area of 1,200 square feet within the secondary containment. On July 20, 2016, during an onsite meeting with the NMOCD, the NMOCD requested the tanks be removed and the impacted soils beneath the tanks remediated. This report details the remediation efforts of the second release and includes the removal of the deferred soils from the first release located in the vicinity of Terracon soil sample East RP @ Surf.

On July 2, 2019, Dean was assigned management responsibilities for impacted soil remediation, soil sampling, site restoration, and reporting activities by Plains. The initial and final C-141 forms

for the August 5, 2015 release and the initial C-141 form for the July 3, 2016 release are included in Appendix A.

### 3. NMOCD Regulatory Limits

Both releases occurred prior to August 2018 with the 1RP-3791 (deferred) release being remediated under the NMOCD August 13, 1993 "Guidelines for Remediation of Leaks, Spills, and Releases". In August 2018, the NMOCD revised the assessment and cleanup levels for hydrocarbon and saltwater releases based on depth to groundwater following criteria as set forth in Title 19 Chapter 15 Part 29 New Mexico Administrative Code (19.15.29 NMAC). Groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the New Mexico Bureau of Geology & Mineral Resources (NMBGMR) were accessed to determine if any registered water wells were located near the site. Data collected from the two databases listed two (2) registered water wells located within Unit Letter H, Section 21, Township 18S, and Range 36E with measured groundwater depths of approximately sixty (60) feet below ground surface (bgs) (Well L 01632 POD5) and 70 feet bgs (Well L 07469). See Appendix C for the NMOSE water column/average depth to groundwater data near the site. In addition, according to the Bureau of Land Management (BLM) the site is located in an area of low potential karst topography. See Figure 3 "Site Location Relative to Known Regional Karst Topography". As outlined in 19.15.29.12.B.(4) NMAC, the release does not occur in referenced sensitive areas with the nearest water body feature being an unmarked intermittent stream located approximately 2.25 miles southeast of the site. Meeting the previous criteria, the NMOCD restoration and cleanup levels for soils impacted by hydrocarbons are as follows:

Chloride	10,000 mg/Kg
• TPH (GRO + DRO)	1,000 mg/Kg
Total TPH	2,500 mg/Kg
• Benzene	10 mg/Kg
Total BTEX	50 mg/Kg

### 4. Soil Remediation Activities and Sample Analysis

Between July 2 and October 29, 2019, Dean Personnel were onsite to conduct soil remediation activities at the release site. Utilizing a backhoe, hydrocarbon impacted soils were excavated in the location of the former facility. During excavation activities, the soils were field screened utilizing both a photoionization detector (PID) and chloride test strips. See Appendix F for field screening data. Based on visual observations and field PID and chloride screening, the site was

excavated to dimensions of approximately sixty (60) ft. wide by forty (40) ft. long to a depth of six (6) ft. bgs. During the excavation, the hydrocarbon impacted soils (vicinity of soil sample East RP @ Surf.), which was deferred under 1RP- 3791, were also excavated. Approximately 744 cubic yards of soil were removed from the excavation and stockpiled on plastic awaiting disposal.

On October 7, 2019, twelve (12) composite bottom hole soil samples (BH-1 @ 6' through BH-12 @ 6') along with eight (8) composite sidewall soil samples (SW-1 @ 3', SB-2 @ 3', NW-1 @ 3', NW-2 @ 3', EW-1 @ 3', EW-2 @ 3', WW-1 @ 3', and WW-2 @ 3') were collected at the site every two hundred (200) ft<sup>2</sup>., placed into laboratory-provided sample containers, labeled, stored on ice, and transported under proper chain-of-custody documentation to Cardinal Laboratories of Hobbs, New Mexico (Cardinal). Soil samples were analyzed for TPH utilizing Method SW-846 8015M, BTEX utilizing Method SW-846 8021B, and chlorides utilizing Method 4500-CL-B. See Figure 4 "Site Excavation Details and Confirmation Soil Sample Location Map" for sample locations. The TPH concentrations for all soil samples were below the NMOCD standards of 1,000 mg/Kg (TPH Gro +Dro) and 2,500 mg/Kg (Total TPH) with a maximum concentration of 197 mg/Kg (TPH Gro + Dro) and 266.1 mg/Kg total TPH in soil wall sample SW-1 @ 3'. Chloride concentrations were below NMOCD standards of 10,000 mg/Kg with results ranging from 16 mg/Kg in eleven (11) of the twenty (20) soil samples to 160 mg/Kg in soil sample BH-5 @ 6'. Benzene and total BTEX concentrations were below method detection limits for all samples analyzed. Laboratory reports containing analytical methods, results, and chain-of-custody documents are included in Appendix D.

### 5. Conclusion and Closure Request

Upon collecting requisite confirmation soil samples, the excavated area was backfilled between October 25 and 29, 2019 with locally sourced non-impacted soils and brought to grade. Photo documentation detailing site activities is included in Appendix E. The approximately 744 cubic yards of stockpiled hydrocarbon impacted soils were transported offsite for disposal at Lazy Ace Landfarm in Eunice, New Mexico. See Appendix G for waste manifests. Based upon the analytical results of the confirmation soil samples collected from the base and side walls of the excavation, Plains believes the site has been remediated to within standards set forth by the NMOCD. As such, Plains respectfully requests that the NMOCD consider closure of both incident numbers 1RP-3791 (Deferred) and 1RP-4340. Final C-141's closure for 1RP-4340 and 1RP-3791 are attached to the front of this report.

If you have any questions, or if additional information is required, please feel free to contact Amber Groves (email: <u>ALGroves@paalp.com</u>, cell: 575.200.7717) of Plains or Sylwia Reynolds (email: <u>sylwiareynolds@deandigs.com</u>, cell: 432.999.8675) or Jeff Kindley (email: <u>jeffreykindley@deandigs.com</u>, cell: 432.230.0920) of Deans.

Sincerely,

Sylurie Alynolos

Sylwia Reynolds Project Manager

Jeffrey Kindley,

Professional Geologist

TABLE



## **Table 1. Chemistry Table**

# Concentrations of Benzene, BTEX, TPH and Chlorides in soil

## Plains: Lovngton Station Remediation

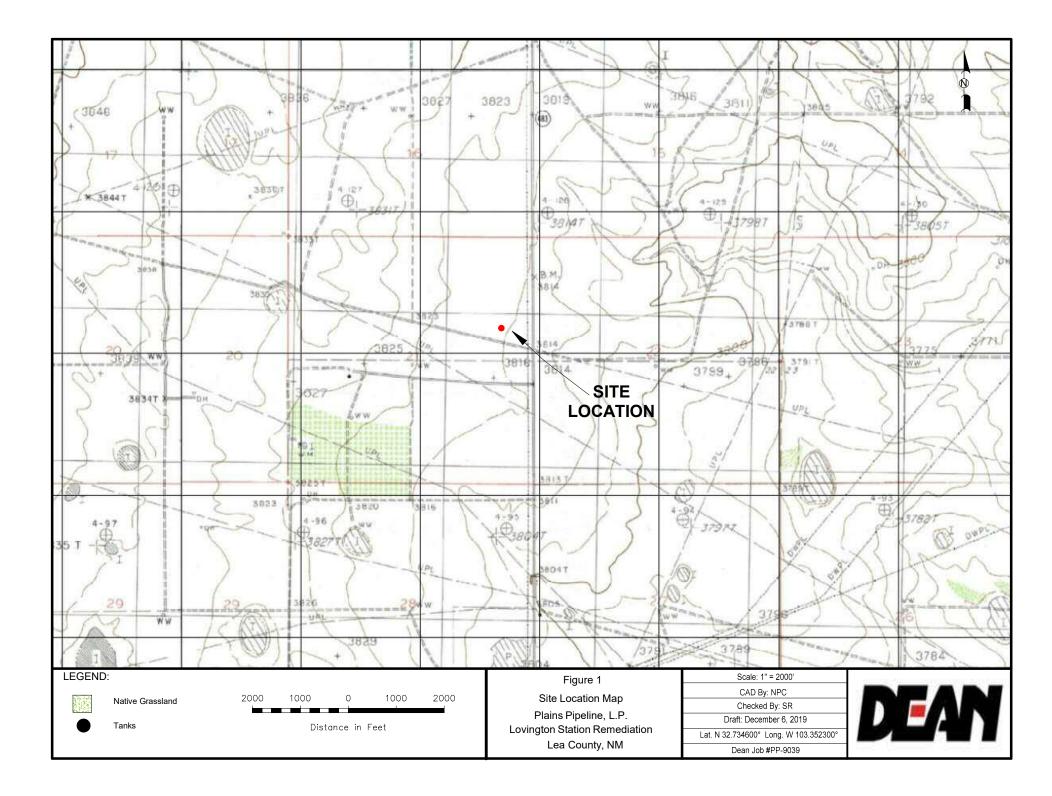
### SRS #2016-108

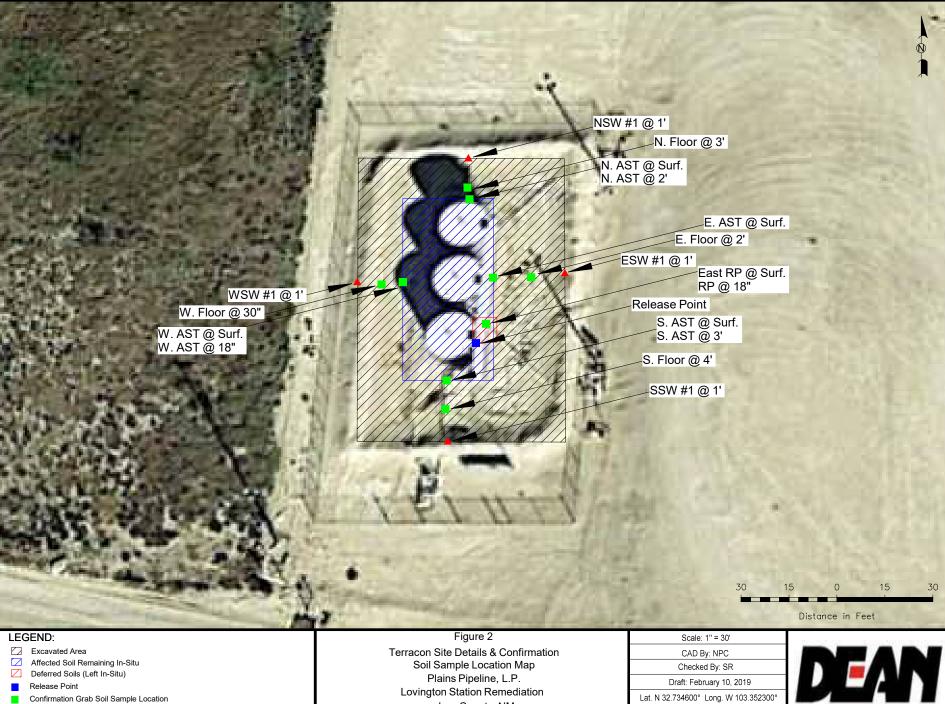
## Plains Pipeline, L.P.

## Lea County, NM

							Lea L	Lea county, NM	-						
	SAMP	SAMPLE INFORMATION	ON			METHODS: 0	EPA SW 846-8021B, 5030	021B, 5030		METHOD:SM4500CL-B		METHOL	METHODS: EPA SW 846-8015M	-8015M	
SAMPLE ID	SAMPLE DATE	SAMPLE DEPTH	SAMPLE	MATRIX	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL- BENZENE (me/kg)	XYLENE (mg/kg)	Total BTEX (mg/kg)	CHLORIDES (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	GRO+DRO (mg/kg)	ORO (mg/kg)	TOTAL TPH (mg/kg)
BH-1@6'	10/07/19	6	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-2 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-3 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-4@6'	10/07/19	6'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-5 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	160	<10.0	<10.0	<10.0	<10.0	<10.0
BH-6 @ 6'	10/07/19	6'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-7 @ 6'	10/07/19	6	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	32	<10.0	<10.0	<10.0	<10.0	<10.0
BH-8 @ 6'	10/07/19	6'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
BH-9 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	64	<10.0	<10.0	<10.0	<10.0	<10.0
BH-10 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	32	<10.0	<10.0	<10.0	<10.0	<10.0
BH-11@6	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	32	<10.0	<10.0	<10.0	<10.0	<10.0
BH-12 @ 6'	10/07/19	9	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	32	<10.0	<10.0	<10.0	<10.0	<10.0
A CONTRACTOR OF A CONTRACTOR A	and the second se	10 200 Can										and the second second			
SW-1 @ 3'	10/07/19	3'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	197	197	69.1	266.1
SW-2@3'	10/07/19	3'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	48	<10.0	11.6	11.6	<10.0	11.6
NW-1 @ 3'	10/07/19	3'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
NW-2 @ 3'	10/07/19	3,	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
EW-1@3'	10/07/19	3'	COMP	SOIL	<0.050	<0:050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
EW-2 @ 3'	10/07/19	31	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	48	<10.0	<10.0	<10.0	<10.0	<10.0
WW-1@3'	10/07/19	3'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	32	<10.0	78.1	78.1	18.9	97
WW-2@3'	10/07/19	3'	COMP	SOIL	<0.050	<0.050	<0.050	<0.150	<0.300	16	<10.0	<10.0	<10.0	<10.0	<10.0
A DECEMBER OF			A Lot of the second sec												
NMOCD Recor	NMOCD Recommended Remediation Action Level	ediation Action	i Level		10	•	1	a	50	10,000	•	•	1,000		2,500

**FIGURES** 

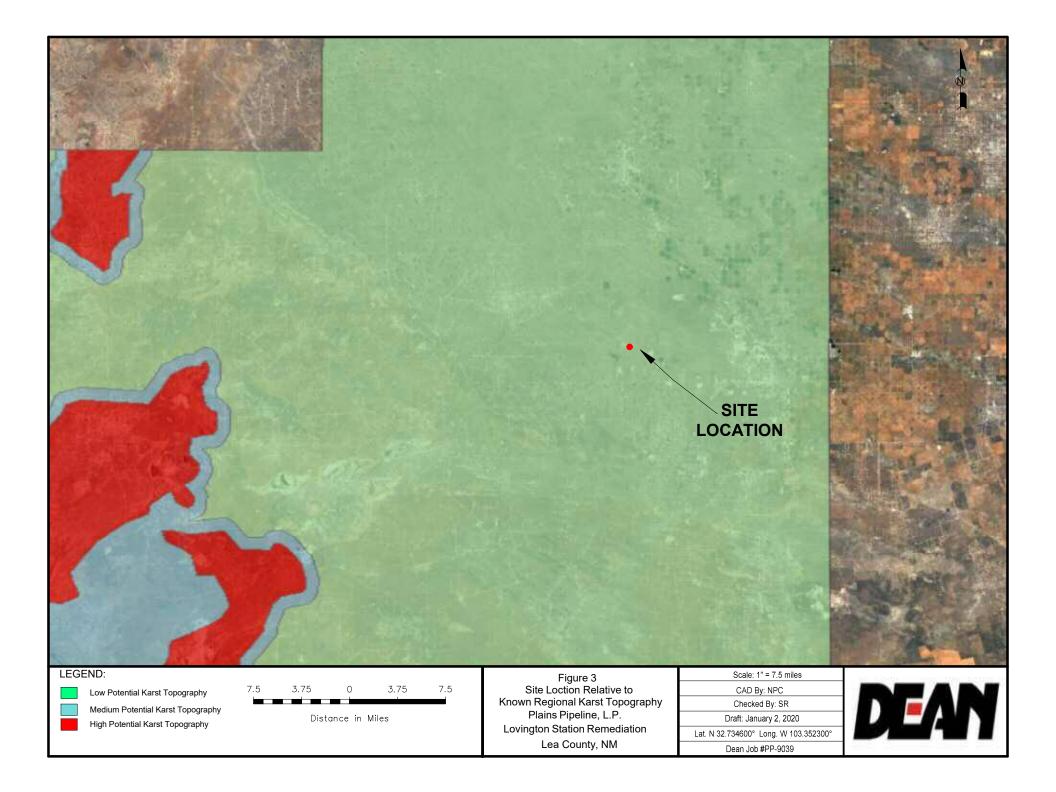


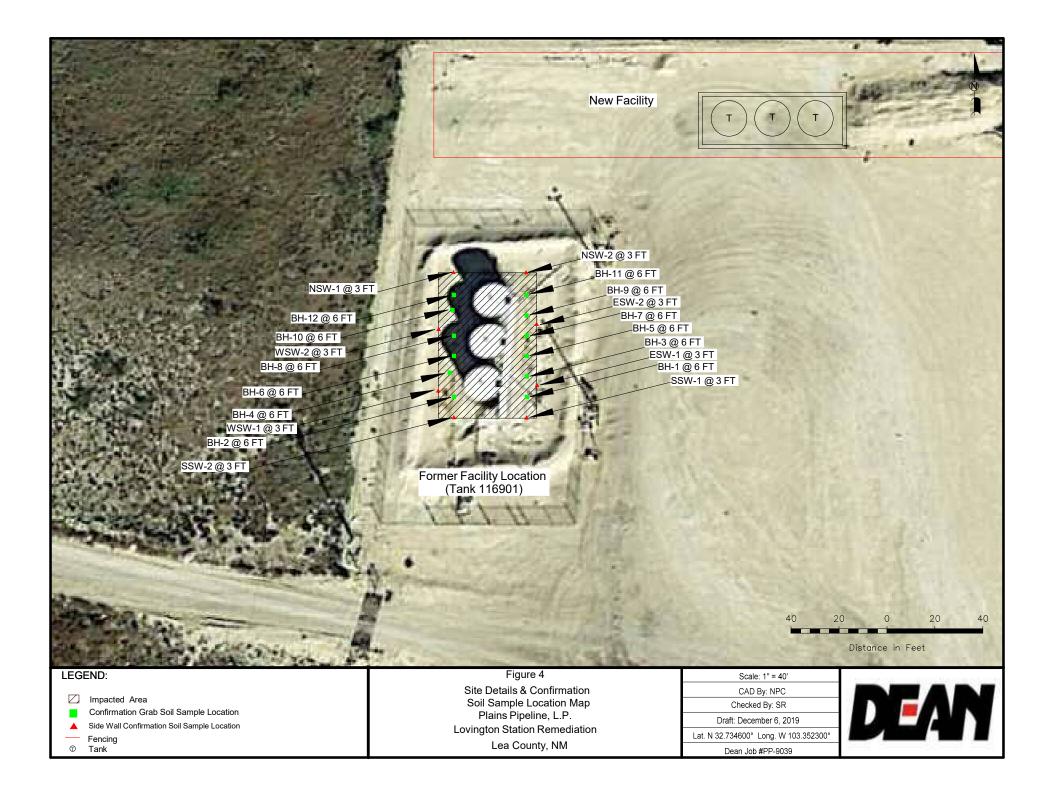


Side Wall Confirmation Soil Sample Location

Lea County, NM

NMOCD Incident # 1RP-3791 (Deferral)





APPENDIX A NMOCD C-141 FORMS

Date:

\* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised October 10, 2003

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### **Release Notification and Corrective Action**

			OPERAT	OR		Initial Report		Final Report
Name of Company	Plains Marketing, LP		Contact	Camille Bryant				1 mai report
Address	2530 State Hwy. 214, Denv	er City, TX 79323	Telephone No	o. (575) 441-1099				
Facility Name	Lovington Station Tan		Facility Type					
Surface Owner New Office	Mexico State Land	Mineral Owne	er		Le	ase No.	_	

### Unit Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County H 21 18S 36E North/South Line Feet from the East/West Line County

Latitude N 32.73427° Longitude W 103.35266°

### NATURE OF RELEASE Type of Release Crude Oil Volume of Release 101 bbis Volume Recovered 66 bbls Source of Release Tank Date and Hour of Occurrence Date and Hour of Discovery 08/05/2015 @ 08:00 08/05/2015 @ 08:22 Was Immediate Notice Given? If YES, To Whom? Yes 🗌 No 📋 Not Required Verbal notification to Kellie Jones By Whom? Camille Bryant Date and Hour 08/05/2015 @ 15:28 Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. Yes X No If a Watercourse was Impacted, Describe Fully,\* RECEIVED By OCD District 1 at 2:57 pm, Aug 07, 2015 Describe Cause of Problem and Remedial Action Taken.\* Internal corrosion caused a hole to develop in the floor of tank 117275 resulting in a release of crude oil. Describe Area Affected and Cleanup Action Taken. The released crude oil impacted an area inside the secondary containment measuring approximately 40' X 80'. The impacted area will be remediated as per applicable NMOCD guidelines. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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. OIL CONSERVATION DIVISION a Signature Approved by District Supervisor: Printed Name: Camille Bryant Title: Remediation Coordinator 08/07/2015 10/07/2015 Approval Date: Expiration Date: E-mail Address: cjbryant@paalp.com Conditions of Approval: Attached

Phone: (575) 441-1099

Site samples required. Delineate and

photographs of remediation required.

remediate as per MNOCD guides Geotag

nKJ1521954222

1RP-3791

pKJ1521954545

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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 Mexic Energy Minerals and Natural By JKeyes at 2:47 pm, Jan 19, 2016

Oil Conservation Division 1220 South St. Francis Dr. District Office in accordance with Rule 116 on back side of form

Santa Fe, NM 87505

### **Release Notification and Corrective Action**

		OPERATOR	Initial Report	$\mathbf{X}$	Final Report
Name of Company	Plains Marketing, LP	Contact Camille Bryant			
Address	2530 State Hwy. 214, Denver City, TX 79323	Telephone No. (575) 441-1099			
Facility Name	Lovington Station Tank 117275	Facility Type Tank			

Surface Owner New Mexico State Land	Mineral Owner	Lease No.
Office		

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
н	21	18\$	36E					Lea

Latitude N 32.73427° Longitude W 103.35266°

### NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 101 bbls	Volume Recovered 66 bbls					
Source of Release Tank	Date and Hour of Occurrence Date and Hour of Discovery						
	08/05/2015 @ 08:00	08/05/2015 @ 08:22					
Was Immediate Notice Given?	If YES, To Whom?	00/05/2015 @ 06.22					
Yes No D Not Required	Verbal notification to Kellie Jones						
By Whom? Camille Bryant	Date and Hour 08/05/2015 @ 1						
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.					
If a Watersource use Israad A Describe Date							
If a Watercourse was Impacted, Describe Fully.*		•					
		JAN 1 3 2016					
Describe Cause of Problem and Remedial Action Taken.* Internal corror crude oil.	osion caused a hole to develop in the flo	for of tank 117275 resulting in a release of					
Describe Area Affected and Cleanup Action Taken. The released crude oil impacted an area inside the secondary containment measuring approximately 40' X 80'. The release was remediated as per NMOCD recommended guidelines. Please reference the attached <i>Remediation Summary and Risk-Based Closure Report</i> dated December 29, 2015 for remediation details.							
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.							
Signature GMULLER		VATION DIVISION					
Printed Name: Camille Bryant	Approved by District Supervisor:	Jani & Uryer					
Title: Remediation Coordinator	01/19/2016 Approval Date:	Expiration Date:					
E-mail Address: cjbryant@paalp.com	Conditions of Approval: RP will remain open until abandonme	nt at which Attached					
Date: 12201 Phone: (575) 441-1099	point remaining contamination will no						

169-3791

\* Attach Additional Sheets If Necessary

JAN 1 3 2016



State of New Mex Energy Minerals and Natura By JKeyes at 9:29 am, Jul 08, 2016

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

### **Release Notification and Corrective Action**

		OPERATOR	$\boxtimes$	Initial Report	Final Report
Name of Company	Plains Marketing, LP	Contact Camille Bryant			
Address	2530 State Hwy. 214, Denver City, TX 79323	Telephone No. (575) 441-1099			
Facility Name	Lovington Station Tank 116901	Facility Type Tank			
		- Area - Ear III E. Area			

Surface Owner New Mexico State Land	Mineral Owner	Lease No.
Office		

### LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
Н	21	18S	36E					Lea

Latitude N 32.73422° Longitude W 103.35255°

### NATURE OF RELEASE

Type of Release Crude Oil	Volume of Release 17 bbls	Volume Recovered 15 bbls
Source of Release Tank	Date and Hour of Occurrence	Date and Hour of Discovery
	07/03/2016 @ 08:42	07/03/2016 @ 08:42
Was Immediate Notice Given?	If YES, To Whom?	
🛛 Yes 🗌 No 🔲 Not Required	Verbal notification to Jamie Keyes	
By Whom? Camille Bryant	Date and Hour 07/03/2016 @ 1:	5:11
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.
🔲 Yes 🛛 No		
If a Watercourse was Impacted, Describe Fully.*		
,,,,,,,		
Describe Cause of Problem and Remedial Action Taken.* Internal corror	sion caused a hole to develop in the flo	or of tank 116901 resulting in a release of
crude oil.		
Describe Area Affected and Cleanup Action Taken. The released crude of	il imposed approximately 1,200 and	- fact inside the secondary containment of
the facility. The release will be remediated as per applicable NMOCD g	uidelines	re feet inside the secondary containment of
the mention interest with be remediated as per applicable remote by	didennes.	
I hereby certify that the information given above is true and complete to	the best of my knowledge and underst	and that pursuant to NMOCD rules and
regulations all operators are required to report and/or file certain release	notifications and perform corrective ad	tions for releases which may endanger
public health or the environment. The acceptance of a C-141 report by t	he NMOCD marked as "Final Report"	does not relieve the operator of liability
should their operations have failed to adequately investigate and remedia		
or the environment. In addition, NMOCD acceptance of a C-141 report	does not relieve the operator of respon	sibility for compliance with any other
federal, state, or local laws and/or regulations.		
Kel	OIL CONSER	VATION DIVISION
Signature Mille My 4		
Signature ( Acc )	Annual In Distinguistics	Jam Likyer
Printed Name: Camille Bryant	Approved by District Supervisor:	
	07/08/2016	09/08/2016
Title: Remediation Coordinator	Approval Date:	Expiration Date:
E-mail Address: cjbryant@paalp.com	Conditions of Approval:	Attached
MS Dails	Discrete samples only. Delineate and	
Date: D 2016 Phone: (575) 441-1099	NMOCD guidelines.	
* Attach Additional Sheets If Necessary	Distant Distant And	- WE1 (10022001

nJXK1619033991 pJXK1619034092 District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy Minerals and Natural By JKeyes at 2:47 pm, Jan 19, 2016

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

1220 S. St. Fran	cis Dr., Sanu	a Fe, NM 87503	>		Santa F	Fe, NM 875	505					side of form
			Rele	ase Not	ificatio	n and C	orrective A	ction				
						OPERA	TOR	Г	] Initi	al Report	$\boxtimes$	Final Report
Name of Co	mpany	Plains Mark	ceting, LP	)		Contact	Camille Bry	/ant				
Address		2530 State Hw	y. 214, Den	ver City, TX	79323	Telephone I						
Facility Nar	ne	Lovington S	tation Ta	nk 117275		Facility Typ	be Tank					
Surface Ow	ner New I	Mexico State	Land	Miner	al Owner				Lease N	Jo		
Office		-ie/ieo otate	Lund	IVINO1					Lease I	NU.		
				LO	CATIO	N OF RE	LEASE	1		<u> </u>		· · · · · · · · · · · · · · · · · · ·
Unit Letter H	Section 21	Township 18S	Range 36E	Feet from the	ne North	/South Line	Feet from the	East/We	st Line	County Lea		
				Latitude N	1 32.7342	7° Longitude	W 103.35266°	>				
				N	ATURE	COF REL	EASE					
Type of Relea		le Oil					Release 101 bb			Recovered		
Source of Rel	lease Tanl	¢.					Hour of Occurrence	1		Hour of Dis	covery	
Was Immedia	ate Notice C	liven?				08/05/201			18/05/20	5 @ 08:22		
			Yes 🔲 No	🔲 Not Re	quired		ification to Kellie	Jones				
By Whom? (	Camille Bry	ant				Date and H	Iour 08/05/201	15@15:2	3			
Was a Watero	course Reac					If YES, Vo	olume Impacting t	the Waterc	ourse.			
			Yes 🛛	No				1.1.1				
If a Watercou	irse was Imj	pacted, Descri	be Fully.*						<u>.</u>			
									AN 1	3 2016		
								Ŭ		2010		
									the party is a second second second		1	
Describe Cau	se of Proble	em and Remed	lial Action	Taken.* Inte	emal corros	sion caused a h	nole to develop in	the floor of	of tank 1	17275 result	ing in a	release of
crude oil.												
Describe Area	a Affected a	nd Cleanup A	ction Tak	en. The relea	sed crude o	il impacted an	area inside the se	econdary o	ontainm	ent measurin	0 200	avimately
40' X 80'. Th	e release wa	as remediated	as per NM	IOCD recom	mended gu	idelines. Pleas	se reference the at	tached Rei	nediatio	n Summary d	ind Ris	k-Based
Closure Repo	rt dated De	cember 29, 20	)15 for ren	nediation deta	ails.					-		
I herehy certi	fy that the i	nformation gi	ven above	is true and co	omplete to t	the best of my	knowledge and u	Inderstand	that mur	want to NB/		Jac and
regulations al	l operators a	are required to	o report an	d/or file certa	uin release r	notifications a	nd perform correc	tive actior	is for rele	eases which	mav en	danger
public health	or the envir	onment. The	acceptance	e of a C-141	report by th	ne NMOCD m	arked as "Final Re	eport" doe	s not reli	eve the oper	ator of	liability
or the environ	ment In a	ave failed to a difficient NMO	dequately CD accent	investigate a	nd remedia	te contaminati	on that pose a three the operator of i	eat to grou	ind water	, surface wa	ter, hui	nan health
federal, state,	or local law	s and/or regu	lations.			2003 1101 101104	e nie operator or i	responsion		umphance w	iui aliy	ouller
	·	$\overline{\mathbf{P}}$	1	-			OIL CON	SERVA	TION	DIVISIC	N	
Signature	ml+00		X									
Ulfinduler	and con	<u>~</u> •∪7		· · · · · · · · · · · · · · · · · · ·		Approved hu	District Supervise	Jan	n Flhyer			ŀ
Printed Name	: Camille	Bryant				Approved by	District Supervise	or: /		6		
Title: Remed	liation Coor	dinator			]	Approval Dat	01/19/2016 te:	Ex	piration 1	Date:		1
17					1							8
E-mail Addre	ss: cjoryani	wpaalp.com	<u>_</u>			Conditions of RP will remain	f <b>Approval:</b> 1 open until abanc	donment a	t which	Attached		(
Date: 12	2016		Phor	ne: (575) 441	-1099	point remainii	ng contamination					
Attach Addit	ional Shee	ts If Necessa	агу		1	1 CP-7	5791			<u> </u>		

JAN 1 3 2016

### APPENDIX B NMOCD EMAIL FOR BACKFILLING/DEFERAL

### Jeff Kindley

From:	Jones, Kellie, EMNRD <kellie.jones@state.nm.us></kellie.jones@state.nm.us>
Sent:	Tuesday, September 22, 2015 7:46 AM
То:	Lowry, Joel W
Cc:	Camille J Bryant; Keyes, Jamie, EMNRD
Subject:	RE: Permission to Backfill Eastern Portion of Release Site Plains' Lovington Station
	Tank 1RP-3791 Western Excavation
Attachments:	ATT00001.txt

Joel,

Permission to backfill the eastern portion of the site is acceptable. Please keep me informed of the status of the site.

Have a great day!

Kellie Jones Environmental Specialist, District 1 Oil Conservation Division, EMNRD 575-393-6161 ext. 111 575-370-3180 (emergency-cell) E-Mail: <u>kellie.jones@state.nm.us</u>

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, local laws and/or regulations.

From: Lowry, Joel W [mailto:Joel.Lowry@terracon.com]
Sent: Monday, September 21, 2015 9:12 AM
To: Jones, Kellie, EMNRD
Cc: Camille J Bryant
Subject: Permission to Backfill -- Eastern Portion of Release Site -- Plains' Lovington Station Tank 1RP-3791-- Western Excavation

Ms. Jones,

On behalf of Plains Pipeline, Terracon has prepared the attached *Updated Site and Sample Location Map* and *Soil Chemistry Table* for the Lovington Station Tank environmental remediation site (NMOCD Ref. No. 1RP-3791). The release site is located in UL "H", Sec. 21, Township 18 South, Range 36 East on land owned by the State of New Mexico. The GPS coordinates of the release site are 32.73427°, -103.35266°.

On August 28, 2015, upon receiving laboratory analytical results, Terracon requested NMOCD permission to backfill the Western Portion of the remediation site with non-impacted material. Upon receiving NMOCD permission, the western portion was backfilled, allowing environmental personnel to excavation affected soil on the east side of the above – ground storage tanks (ASTs).

The eastern portion of the release site has been excavated to a depth of approximately 2' to 3' bgs. Upon excavating the impacted soil from the eastern portion of the release site, confirmation soil samples were collected from the floor and

sidewalls of the excavated area and submitted to the laboratory for analysis of TPH, BTEX and/or chloride. Laboratory analytical results indicate TPH concentrations ranged from less than the appropriate laboratory reporting limit for soil samples E. Floor @ 2' to 706 mg/kg for soil sample E. AST @ Surf. Benzene, toluene, ethylbenzene and total xylene (BTEX) concentrations were less than the appropriate laboratory reporting limit in each of the analyzed soil samples with the exception of soil sample E. AST @ Surf., which exhibited a total BTEX concentration of 0.00601 mg/kg; concentrations of benzene were less than the appropriate laboratory reporting limit. Soil sample E. Floor was also analyzed for concentrations of chloride, which were determined to be 11.1 mg/kg.

In addition, two (2) soil samples (East RP @ Surf. @ RP @ 18") were collected from beneath the release point on the east side of the southern AST to characterize affected soil left in-situ. Collected soil samples were submitted to the laboratory for analysis of BTEX and TPH concentrations. Laboratory analytical results indicated TPH concentrations ranged from less than the laboratory reporting limit for soil sample RP @ 18" to 16,900 mg/kg for soil sample East RP @ Surf. BTEX concentrations ranged from 0.0239 mg/kg for soil sample RP @ 18" to 0.4205 mg/kg for soil sample East RP @ Surf. Excavated soil is stockpiled on-site, atop a 20-millimeter poly liner, pending final disposition.

Laboratory analytical results indicate TPH and BTEX concentrations were less than NMOCD Regulatory Remediation Action Levels in each of the submitted soil samples with the exception of soil sample East RP @ Surf., which exhibited a TPH concentration of 16,900 mg/kg. Based on the review of laboratory analytical results from confirmation soil samples, on behalf of Plains Pipeline, Terracon requests permission to backfill the eastern portion of the remediation site with non-impacted material.

Upon backfilling the eastern portion of the remediation site, affected soil represented by soil sample East RP @ Surf. will be excavated by hand to the maximum extent practicable. Terracon maintains extensive excavation at the release point may compromise the integrity of the AST and pose a safety risk. With NMOCD permission, affected soil remaining in-situ beneath the eastern portion of the southern AST, represented by soil sample East RP @ Surf., will be remediated at time of abandonment (TOA).

If you have any questions or need any additional information, please feel free to contact myself or Camille Bryant by phone or email. Thanks.

Respectfully,

### Joel W. Lowry Project Geologist I I Environmental

### Terracon 5827 50<sup>th</sup> Street, Suite 1 I Lubbock, Texas 79424 P (806) 300-0140 I C (432) 466-4450 I F (806) 797-0947 joel.lowry@terracon.com I terracon.com



Joel,

Permission to backfill the west side of the excavation.

If you have any questions, please feel free to contact me.

Kellie Jones Environmental Specialist, District 1 Oil Conservation Division, EMNRD 575-393-6161 ext. 111 575-370-3180 (emergency-cell) E-Mail: kellie.jones@state.nm.us

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Please note:

-The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed. -Photographic documentation is stipulated for all events involving liquids.

If you have any questions or concerns, and for notification, please contact me.

From: Lowry, Joel W [mailto:Joel.Lowry@terracon.com] Sent: Tuesday, August 25, 2015 9:56 AM To: Jones, Kellie, EMNRD Cc: Camille J Bryant Subject: Permission to Backfill -- Plains' Lovington Station Tank 1RP-3791-- Western Excavation

Ms. Jones,

On behalf of Plains Pipeline, Terracon has prepared the attached *Site and Sample Location Map* and *Soil Chemistry Table* for the Lovington Station Tank environmental remediation site (NMOCD Ref. No. 1RP-3791). The release site is located in UL "H", Sec. 21, Township 18 South, Range 36 East on land owned by the State of New Mexico. The GPS coordinates of the release site are 32.73427°, -103.35266°.

The western portion of the release site has been excavated to a depth of approximately 2.5' to 4' bgs. Upon excavating the impacted soil from the western portion of the release site, confirmation soil samples were collected from the floor and sidewalls of the excavated area and submitted to the laboratory for analysis of TPH, BTEX and/or chloride. Laboratory analytical results indicate TPH concentrations ranged from less than the appropriate laboratory reporting limit for soil samples WSW #1 @ 1', W. AST @ Surf., W. AST @ 18", NSW #1 @ 1', N. AST @ Surf. and S. AST @ 3' to 264 mg/kg for soil sample S. AST @ Surf. Benzene, toluene, ethylbenzene and total xylene (BTEX) concentrations were less than the appropriate laboratory reporting limit in each of the analyzed soil samples. Soil samples W. Floor @ 30", N. Floor @ 3' and S. Floor @ 4' were also analyzed for concentrations of chloride, which were determine to be 6.49, 5.73, and 4.66 mg/kg, respectively. Excavated soil is stockpiled on-site, atop a 20-millimeter poly liner, pending final disposition.

Laboratory analytical results indicate TPH, BTEX and/or chloride concentrations are less than NMOCD Regulatory Remediation Action Levels in each of the analyzed soil samples. Based on the review of laboratory analytical results from confirmation soil samples, on behalf of Plains Pipeline, Terracon requests permission to backfill the western portion of the remediation site with non-impacted material before excavating impacted soil from the eastern portion or the release site. Terracon maintains excavating all sides around the above ground storage tanks (ASTs) simultaneously may compromise the integrity of the tanks and pose a safety risk. If you have any questions or need any additional information, please feel free to contact myself or Camille Bryant by phone or email. Thanks.

Respectfully,

Joel W. Lowry Project Geologist I I Environmental

Terracon 5827 50th Street, Suite 1 | Lubbock, Texas 79424 P (806) 300-0140 | C (432) 466-4450 | F (806) 797-0947 joel.lowry@terracon.com | terracon.com



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Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access hyperlink, please e-mail sender.

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### Jeff Kindley

From:	Jones, Kellie, EMNRD <kellie.jones@state.nm.us></kellie.jones@state.nm.us>
Sent:	Wednesday, August 26, 2015 8:20 AM
То:	Lowry, Joel W
Cc:	Camille J Bryant
Subject:	RE: Permission to Backfill Plains' Lovington Station Tank 1RP-3791 Western
	Excavation
Attachments:	ATT00001.txt

Joel,

Permission to backfill the west side of the excavation.

If you have any questions, please feel free to contact me.

Kellie Jones Environmental Specialist, District 1 Oil Conservation Division, EMNRD 575-393-6161 ext. 111 575-370-3180 (emergency-cell) E-Mail: kellie.jones@state.nm.us

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-The OCD is no longer granting "risk-based," or standard closure of events/RPs with remediation deferred to site abandonment/sale/closure. The RP will remain open until such time as historic contamination is addressed. -Photographic documentation is stipulated for all events involving liquids.

If you have any questions or concerns, and for notification, please contact me.

From: Lowry, Joel W [mailto:Joel.Lowry@terracon.com]
Sent: Tuesday, August 25, 2015 9:56 AM
To: Jones, Kellie, EMNRD
Cc: Camille J Bryant
Subject: Permission to Backfill -- Plains' Lovington Station Tank 1RP-3791-- Western Excavation

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Laboratory analytical results indicate TPH, BTEX and/or chloride concentrations are less than NMOCD Regulatory Remediation Action Levels in each of the analyzed soil samples. Based on the review of laboratory analytical results from confirmation soil samples, on behalf of Plains Pipeline, Terracon requests permission to backfill the western portion of the remediation site with non-impacted material before excavating impacted soil from the eastern portion or the release site. Terracon maintains excavating all sides around the above ground storage tanks (ASTs) simultaneously may compromise the integrity of the tanks and pose a safety risk. If you have any questions or need any additional information, please feel free to contact myself or Camille Bryant by phone or email. Thanks.

Respectfully,

Joel W. Lowry Project Geologist I I Environmental

### Terracon

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### **APPENDIX C**

### NEW MEXICO OSE WATER COLUMN/AVERAGE WATER DEPTH TO GROUNDWATER DATA



### New Mexico Office of the State Engineer **Point of Diversion Summary**

0	Number 1632 POD5	(quar	ers are 1=N ters are sma Q16 Q4 1 3	illest to	o largest)		(NAD83 U X 653213	/TM in meters) Y 3622570* 🜑	
Driller License: Driller Name:	208	Driller	Compar	ıy:	VA	N NOY, W	/.L.		
Drill Start Date: Log File Date:	04/30/1978 06/01/1978		inish Dat		2022	5/06/1978	3 1984	ug Date:	
Pump Type:	TURBIN		Rev Date ischarge			8/06/1981		ource: stimated Yield:	Shallow 1200 GPM
Casing Size:	12.00		Depth Well:			5 feet		epth Water:	60 feet
Wate	r Bearing Stratifica	itions:	<b>T</b> o 4	р Е 5	Bottom 155	112 100		l/Conglomerate	
	Casing Perfor	ations:	To 9	р Е 5	ottom 150				

### \*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

2/4/20 2:45 PM

POINT OF DIVERSION SUMMARY



### New Mexico Office of the State Engineer Point of Diversion Summary

	) Number 7469	(quar	ters are	smal	lest to	largest Tws		(NAD83 ) 65321;	- 	Ŷ	
Driller License: Driller Name:	208	Driller	Com	pany	v:	VA	N NOY, V	W.L.			
Drill Start Date:	02/04/1976	Drill F	inish	Date	×	02	2/08/1976	5 I	Plug Dat	e:	
Log File Date:	02/26/1976	PCW I	Rev D	ate:					Source:	Shallow	
Pump Type:		Pipe D	ischar	ge S	lize:			I	Estimate	d Yield:	30 GPM
Casing Size:	6.63	Depth Well:				160 feet			Depth W	70 feet	
Wate	er Bearing Stratificat	ions:		Тор	в	ottom	Descri	ption			
				75	5	100	Sandsto	one/Grav	el/Cong	lomerate	
				106	5	160	Sandsto	one/Grav	el/Cong	lomerate	
Casing Perfo		rations: Top I			в	Bottom					
				120	)	155					

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability or suitability for any particular purpose of the data.

2/4/20 2:45 PM

POINT OF DIVERSION SUMMARY

### APPENDIX D LABORATORY ANALYTICAL REPORTS



October 15, 2019

SYLWIA REYNOLDS DEAN 12600 W. COUNTY ROAD 91 MIDLAND, TX 79707

**RE: LOVINGTON STATION RELEASE** 

Enclosed are the results of analyses for samples received by the laboratory on 10/07/19 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 1 (H903406-01)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	86.0	% 37.6-14	7						

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whother is subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 2 (H903406-02)

BTEX 8021B	mg,	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.6	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.8	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 3 (H903406-03)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	86.6	% 41-142	,						
Surrogate: 1-Chlorooctadecane	87.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: BH - 4 (H903406-04)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	84.9	% 41-142							
Surrogate: 1-Chlorooctadecane	86.5	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: BH - 5 (H903406-05)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.3	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: BH - 6 (H903406-06)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	86.2	% 41-142							
Surrogate: 1-Chlorooctadecane	86.7	% 37.6-14	7						

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Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: BH - 7 (H903406-07)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	82.9	% 41-142							
Surrogate: 1-Chlorooctadecane	82.9	% 37.6-14	7						

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Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 8 (H903406-08)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.6	% 41-142	,						
Surrogate: 1-Chlorooctadecane	84.1	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 9 (H903406-09)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	82.9	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 10 (H903406-10)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	83.6	% 41-142							
Surrogate: 1-Chlorooctadecane	84.8	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 11 (H903406-11)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	85.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	86.5	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: BH - 12 (H903406-12)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	84.0	% 41-142	,						
Surrogate: 1-Chlorooctadecane	85.5	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: SW - 1 (H903406-13)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	197	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	69.1	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	79.0	% 41-142							
Surrogate: 1-Chlorooctadecane	89.4	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: SW - 2 (H903406-14)

BTEX 8021B	mg,	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2019	ND	1.93	96.6	2.00	3.23	
Toluene*	<0.050	0.050	10/11/2019	ND	2.04	102	2.00	2.72	
Ethylbenzene*	<0.050	0.050	10/11/2019	ND	2.02	101	2.00	2.07	
Total Xylenes*	<0.150	0.150	10/11/2019	ND	6.14	102	6.00	1.41	
Total BTEX	<0.300	0.300	10/11/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	11.6	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	88.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	91.3	% 37.6-14	7						

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# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: NW - 1 (H903406-15)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	82.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.8	% 37.6-14	7						

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# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: NW - 2 (H903406-16)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	82.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.8	% 37.6-14	7						

### **Cardinal Laboratories**

# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: EW - 1 (H903406-17)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/08/2019	ND	195	97.3	200	3.90	
DRO >C10-C28*	<10.0	10.0	10/08/2019	ND	201	100	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	10/08/2019	ND					
Surrogate: 1-Chlorooctane	85.8	% 41-142							
Surrogate: 1-Chlorooctadecane	86.5	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: EW - 2 (H903406-18)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	87.9	% 41-142							
Surrogate: 1-Chlorooctadecane	89.4	% 37.6-14	7						

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# \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: WW - 1 (H903406-19)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	217	109	200	1.33	
DRO >C10-C28*	78.1	10.0	10/09/2019	ND	213	107	200	0.704	
EXT DRO >C28-C36	18.9	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	77.2	% 41-142	2						
Surrogate: 1-Chlorooctadecane	83.9	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: WW - 2 (H903406-20)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	211	106	200	1.72	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	227	113	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	78.4	% 41-142							
Surrogate: 1-Chlorooctadecane	79.6	% 37.6-14	7						

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	10/07/2019	Sampling Date:	10/07/2019
Reported:	10/15/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039 / REMEDIATION	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: STOCK PILE (H903406-21)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/10/2019	ND	1.87	93.4	2.00	3.03	
Toluene*	<0.050	0.050	10/10/2019	ND	1.91	95.4	2.00	2.50	
Ethylbenzene*	<0.050	0.050	10/10/2019	ND	1.93	96.3	2.00	2.53	
Total Xylenes*	<0.150	0.150	10/10/2019	ND	5.76	96.1	6.00	2.79	
Total BTEX	<0.300	0.300	10/10/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/09/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/09/2019	ND	211	106	200	1.72	
DRO >C10-C28*	<10.0	10.0	10/09/2019	ND	227	113	200	4.20	
EXT DRO >C28-C36	<10.0	10.0	10/09/2019	ND					
Surrogate: 1-Chlorooctane	83.2	% 41-142							
Surrogate: 1-Chlorooctadecane	84.4	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ley.keene@cardinallabsnm.com	ges. Please email changes to cel	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	R 3.0 †	POKIVI-000
□Yes□Yes □No□No	-	6.0 Are	Bus - Other: Corrected Temp. °C	Sampler - UPS -
Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. °C	CHECKED BY:	5.6	(Circle One) Observed Temp. °C	Delivered By: (C
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	is based upon any of the above stated reasons or otherwise	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss or use, or uss or provident incurred by circled, is subsidiaries, arfiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	Cardinal be liable for incidental or consequental dama rising out of or related to the performance of services h	affiliates or successors arisi
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y	State: Zip:	tion Kenediation s	Louington Statio	Project Name:
	City:	Project Owner: Plains c	- 9039 Projec	Project #: PP-
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	Attn: Amer Groves	TX Zip: 79707	da.	city: Midlan
	Company: Pauns	0	00 w lo rd 91	Address: Valuo
	P.O. #:		Sylwia Reynolds	Project Manager:
ANALYSIS REQUEST	BILL TO		Van	Company Name:
	.ac	VM 88240 393-2476	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	
		ries	aborator	
OF-CUSTODY AND ANALYSIS REQUEST	CHAIN-OF-		ARUIN	

Page 24 of 26

TURM-UUD K 3.0 † Cardinal ca	Sampler - UPS - Bus - Other: Corrected Temp. °C	Delivered By: (Circle One) Observed Temp. °C	Time:		Balingriished By: Date: Date:	Time;		affiliates or successors arising out of or related to the performance of services hereunder by Car	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable cancies. In no wort shall Cardinal he lishe for incidental or consecuental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	PI FASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any		1.12-	18 Pw-2	12 50-1	16 NW-2	-	if Swid	13 Sw-1	12 1341-12	11 ISH-11		Lab I.D. Sample I.D.	, ,	FOR LAB USE ONLY	Sampler Name: Dreche Nure 7	Project Location: 14565, Lea County	Project Name: Lovington Station Reme		Phone #: (492) 653-4203 Fax #:	State: 7X	1 (ord	Project Manager: Sylwia Reynolds	Company Name:	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Laboratories	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com		Secol Intert (Initials)			Pareived By and an and and	Contraction of the Contraction	Received By:	services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	emed waived unless made in writing and received by Cardinal within 30 days an other limitation, business interruptions, loss of use, or loss of profils incurred by	claim arising whether based in contract or fort, shall be limited to the amount p										PILLOPIC - 100111	# CO GRO WAS SOI OIL SLU OTH ACI ICE		ERS /ATER TER	MATRIX PRESERV.	Fax #:	Phone #:	Remediation State: Zip:	City:	Address:	Zip: 79707 Attn: Ambergroves	Company: Plains	P.O. #:	3/11/170	60		
	[		SQ Dealor, Com	Pheatenunez & dean us. Com	REMARKS:		Verbal Result:   Yes  No  Add'I Phone #:  All Results are emailed.  Please provide Email address:	easons or otherwise.	ter completion of the applicable client, its subsidiaries.	ount paid by the client for the	1849 AM	10:40 Aun	DI: ZSAM	10:28 AHM	10: La ham	IDIZL AM	IC: 67AM	ICIONAL 1	9:MAM 2 2 2	9:KAM V V	TIME	7791 378 Ch	4 Dr Vori	Sampling		\$	n			ř.,			ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	

	Sampler - UPS - E	Delivered By: (Circle One)	1	Relinquished By:	Relinquished By:	analyses. All claims including service. In no event shall Car affiliates or successors arising	PLEASE NOTE: Liability and			2	H903406			FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name: Loungton	Project #: 'The	Phone #: (439)	city: Midland	Address: 1260	Project Manager:	Company Name:	ڈ.		Dago 26 of 26
7 0.0	- Bus - Other:	rcle One)		Beller		ding those for negligence and any off Cardinal be liable for incidental or co ising out of or related to the performa	Damages. Cardinal's liability a			Stock p		Camp	Sample   D		-	145 blos		17-9039	1653-4203	and	OW CO 1	SN	Then	01 East Marlanc (575) 393-2326	abora	
† Cardinal	Corrected Temp. °C	Observed Temp. °C	Time:	Date:	Date:	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, lots or use, or lots or forots incurred by client, it is substitiaties, affitiates or successors arising out of or related to the performance of services hereunder: by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the			le	*				hunez.	, Lea County	Station Ker	Project Owner:	Fax #:	State: 77	P,	entreles		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	atories	INA
cannot	6.0	5.6		Rece	-	oe deemed wa ling without lim y Cardinal, reg	r any claim ari			 A	-		R (C)ON	IP.	0	ty	Remediation	en		Zip:				3240 2476	Ń I	
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	Cool Intact	Sample Condition		Received By:	Received By:	iived unless made in writing an nitation, business interruptions, pardless of whether such claim	sing whether based in contrac				GRO WAS SOI OIL	OUND STEW	WATER /ATER	MATRIX			tion			79707						
inges. Please	Λ		2	Unda	11	d received by Cardinal loss of use, or loss of p is based upon any of th	or tort, shall be limited	*		Y	ACI ICE	HER : D/BAS / COC HER :		PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn: Amper	Company:	P.O. #:	BI			
email changes		BY:	1 ph	REA	All F	ess made in writing and received by Cardinal within 30 days after completion of the susiness interruptions, loss of use, or loss of profits incurred by client, its subsidiarit of whether such claim is based upon any of the above stated reasons or otherwise	to the amount paid by the client for the			10/ 1119 22	DATE T			SAMPLING			Zip:			ver fareves		eins	BILL TO		문	
to celey.k	Thermometer ID Correction Factor	Turnaround Time:	Pheobenune Deleonetigs Com	Supercyndase deandigs.low	Verbal Result:	letion of the applica subsidiaries, or otherwise.	client for the			 n mer		TP	HS			и	Ex	4		U					CHAIN-OF	
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	0 0																								F	



October 02, 2019

SYLWIA REYNOLDS DEAN 12600 W. COUNTY ROAD 91 MIDLAND, TX 79707

**RE: LOVINGTON STATION RELEASE** 

Enclosed are the results of analyses for samples received by the laboratory on 09/27/19 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

# Sample ID: NT @ 2' (H903327-01)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.1	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	83.6	% 41-142	2						
Surrogate: 1-Chlorooctadecane	87.1	% 37.6-14	7						

### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: NT @ 4' (H903327-02)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.9	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	81.5	% 41-142	,						
Surrogate: 1-Chlorooctadecane	84.4	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: NT @ 6' (H903327-03)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.2	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	84.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	87.2	% 37.6-14	7						

### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: ET @ 2' (H903327-04)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.5	% 81.3-12	8						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	81.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	86.4	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: ET @ 4' (H903327-05)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.2	% 81.3-12	8						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	77.4	% 41-142	,						
Surrogate: 1-Chlorooctadecane	80.5	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: ET @ 6' (H903327-06)

BTEX 8021B	mg/	′kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.7	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	86.1	% 41-142	,						
Surrogate: 1-Chlorooctadecane	89.2	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: WT @ 2' (H903327-07)

BTEX 8021B	mg,	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.2	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	79.9	% 41-142	,						
Surrogate: 1-Chlorooctadecane	81.6	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: WT @ 4' (H903327-08)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	82.8	% 81.3-12	8						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	11.9	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	80.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	84.7	% 37.6-14	7						

### Cardinal Laboratories

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

### Sample ID: WT @ 6' (H903327-09)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.2	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	80.6	% 41-142	2						
Surrogate: 1-Chlorooctadecane	82.8	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: ST @ 2' (H903327-10)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.5	% 81.3-12	8						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	80.6	% 41-142	2						
Surrogate: 1-Chlorooctadecane	84.3	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: ST @ 4' (H903327-11)

BTEX 8021B	mg/	'kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	84.9	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	85.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	25.4	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	76.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	85.2	% 37.6-14	7						

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\*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

# Sample ID: ST @ 6' (H903327-12)

BTEX 8021B	mg/	kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.9	% 81.3-12	8						
Chloride, SM4500Cl-B	e, SM4500CI-B mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	<10.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	76.8	% 41-142	,						
Surrogate: 1-Chlorooctadecane	79.8	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

## Sample ID: RLP @ 2' (H903327-13)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.8	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	21.5	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	83.3	% 41-142	,						
Surrogate: 1-Chlorooctadecane	87.7	% 37.6-14	7						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

#### Sample ID: RLP @ 4' (H903327-14)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.3	% 81.3-12	8						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	479	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	129	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	77.1	% 41-142	2						
Surrogate: 1-Chlorooctadecane	105	% 37.6-14							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

#### Sample ID: RLP @ 6' (H903327-15)

BTEX 8021B	mg,	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	83.3	% 81.3-12	8						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	17.0	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	<10.0	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	77.3	% 41-142	2						
Surrogate: 1-Chlorooctadecane	81.3	% 37.6-14	7						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

DEAN SYLWIA REYNOLDS 12600 W. COUNTY ROAD 91 MIDLAND TX, 79707 Fax To:

Received:	09/27/2019	Sampling Date:	09/27/2019
Reported:	10/02/2019	Sampling Type:	Soil
Project Name:	LOVINGTON STATION RELEASE	Sampling Condition:	Cool & Intact
Project Number:	PP-9039	Sample Received By:	Tamara Oldaker
Project Location:	PLAINS - LEA COUNTY		

#### Sample ID: SP - 1 (H903327-16)

BTEX 8021B	mg	/kg	Analyze	d By: BF					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2019	ND	1.80	89.9	2.00	5.37	
Toluene*	<0.050	0.050	09/30/2019	ND	1.77	88.7	2.00	6.82	
Ethylbenzene*	<0.050	0.050	09/30/2019	ND	1.75	87.3	2.00	5.82	
Total Xylenes*	<0.150	0.150	09/30/2019	ND	5.30	88.3	6.00	5.40	
Total BTEX	<0.300	0.300	09/30/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.0	% 81.3-12	8						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/30/2019	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/30/2019	ND	215	108	200	12.8	
DRO >C10-C28*	242	10.0	09/30/2019	ND	211	106	200	11.2	
EXT DRO >C28-C36	61.1	10.0	09/30/2019	ND					
Surrogate: 1-Chlorooctane	78.5	% 41-142	2						
Surrogate: 1-Chlorooctadecane	92.0	% 37.6-14	7						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS2	Blank spike recovery below laboratory acceptance criteria. Results for analyte potentially biased low.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

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	nited to the amount paid by the client for linal within 30 days after completion of th	ng whether based in contract or tort, shall be line and unless made in writing and received by Can	Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the verticence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after commercing of the an verticence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after commercing of the an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tont, shall be limited to the amount paid by the client for the analyses. All claims including those for neolicence and any other cause whatsoever shall be been ed waived unless made in writing and received by Cardinal within 30 days after completion of the amointenie analyses. All claims including those for neolicence and any other cause whatsoever shall be been ed waived unless made in writing and received by Cardinal within 30 days after completion of the amointenie analyses.
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	0	P.O. #:	a Keynold	Project Manager:
ANALYSIS REQUEST	BILL TO		Ø	Company Name: UTUM
			101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	101 East Marland (575) 393-2326
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	CHAIN		ratories	Labo
				Page 19 of 20

Cool Intact Observed Temp. °C	Please email changes to celev keene@cardinallabonm	No Tesse email cha	Ves Verbal c	Corrected Temp. °C 5.8	Sampler - UPS - Bus - Other:	Sample
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	er completion of the applicable client, its subsidiaries. easons or otherwise	nd received by Cardinal within 30 days aft b, loss of use, or loss of profits incurred by m is based upon any of the above stated r	aived unless made in writing a nitation, business interruptions gardless of whether such clait	yr ourer cause wnatsoever snall be deemed w or consequental damages, including without lii ormance of services hereunder by Cardinal, re	service: In one events answers in vice ion insujurities cause whatsbeerk shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In one event shall Cardinal be liable for incidential or consequential duranges, including without limitation, business interruptions, loss of ruse, or loss of profits incurred by client, its subsidiarities. artifiates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the service of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the service of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the service of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the service of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the service of the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise in the service of the ser	affiliates or
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	Λ	State: Zip:		STATION	Project Name: LIVINATIN	Proje
	Б	City:		Project Owner:	PP-7139	Project #:
	C+	Address:		1	2-LLK-REH	Phone #:
	A VALUT (	Company:		11 State: TV Zin:	MA	City:
		Dla IIA		antine.	Sectorial MINIA	Address:
ANALYSIS REQUEST		PO #		Permid	Project Manager: (M)M/M	Proje
				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	101 East Maria (575) 393-23:	Com
CHAIN-OF-COSIODT AND ANALYSIS REQUEST				atories	Labor	(
				DINAL	CAR	
					Page 20 of 20	of 20

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APPENDIX E PHOTOGRAPHIC DOCUMENTATION





APPENDIX F FIELD DATA

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	C	3)

Sample locatiom

TASK DESCRIPTION:

JOB LOCATION: JOB NUMBER:

Pp 9039

Covington station remediation

PH:432-653-4203

M4 D0:1 Jose bellac 10/07/19 5:00 AM Cloudy DATE: TIME: WEATHER:

COMPLETED BY:

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181		
A 8	1	
4		1

E	TIME	DESCRIPTION
FROM	10	
6:00 AM	8:00 AM	Left shop drove to location
8:00 AM	11:00 AM	Pulled 20samples 12 floor sample 8 wall samples
		Bh 1 chl- non detect. Pid 1.3
		BH 2 chl non detect. Pid 1.0
		BH 3 chl non detect. Pid. 5
		BH-4 chl non detect . Pid 2.4
		BH-5 Chi 180 . Pid 2.2
		BH-6 chl non detect . Pid 1.0
		BH-7 non detect. Pid 1.8
		BH-8 non detect Pid 2.0
		BH-9 chloride -152 pid 1.1
		BH-10 non detect Pid1.7
		BH-11 non detect Pid 1.2
		BH-12 non dectect Pid1.5
		Sw-1 non detect Pid27.1
		Sw-2 non detect Pid 1.8
		NW-1 non detect Pid.9
		EW-1 non detect Pid 1.0
		Ew-2 non detect Pid 1.5
		WW-1 non detect Pid 12.8
		WW-2 non detect Pid .9
1:00 PM	Z:00 PM	Finished running all samples for chlorides, and pid the samples then put them in jars.
2:00 PM	3:00 PM	Drove to hobbs to wassen to meet with Robert to check coc
3:00 PM	4:00 PM	Robert and i double checked coc on samples.
4:00 PM	S:00 PM	Drove to cardinal lab to drop off samples.
5:00 PM	7:00 PM	Drove to shop escavation 60 feet long x 40 feet wide x 6 feet deen. Also nulle stork nile stork nile stork of a waitte characteratation cample

SUPERVISOR:

## APPENDIX G WASTE MANIFESTS

# Lazy Ace Landfarm

Lease Operator Information:	
Name:	
Address:	
Phone #:	
Originating Location of waste matoria	

ignating Location of waste material:

Lease Name:

Sec.\_\_\_\_

\_T\_\_\_\_R\_\_\_\_

## **Transporter Information:**

Name:	
Address:	
Phone #:	
Driver Signature:	
Date:	2

## Non-Hazardous Hydro-Carbons:

Waste material placed in cell number:\_

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

# of Yards:\_\_\_\_\_

### **Contacts:**

Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtile C Regulations: and not mixed with non-exempt waste."

loads
1

# Lazy Ace Landfarm

### Lease Operator Information:

Address:		the second	the second s
Phone #:			
P.o			
Originating Lo	cation of waste ma	aterial:	
and the second			
	T	R	
Sec	nation:		_
Sec			
Sec	nation:		
Sec porter Inform Name: Address:	nation:	Lunking d	
Sec porter Inform Name: Address: Phone #:	nation:	Lang d Lang d esolog	

### Non-Hazardous Hydro-Carbons:

Waste material placed in cell number:\_\_\_\_

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

# of Yards:\_

### **Contacts:**

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Facility Representative:		Date:	
White - Original	Canary - Invoice	Pink - Trucker	
			riond

Name:	a state to a set	
Address:	PT 113 600	Change and
Phone #:		
8.0.47	17-113	9
Originating Location of	of waste material.	
Lease Name		
	T	
		_ K
Transporter Information		
Name:		
Address:	and the state of t	
Phone #:	State of the second	
		NGU Same
Date:	Carbons:	# of Yards:
Date: Non-Hazardous Hydro-C	Carbons: n cell number: Permit # NM	# of Yards:
Date: Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell a condition of acceptance for disposal ironmental Protection Accept (EPA) 7	Carbons: n cell number: Permit # NM W1/2SW1/4 : , I hereby certify that this	# of Yards:
Date: Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Damy Berry (575) 393-6964 - Home (575) 369-5266 - Cell a condition of acceptance for disposal ironmental Protection Agency (EPA). Tr rations, exempt from Resource Conserved with non-exempt waste."	Carbons: n cell number: Permit # NM W1/2SW1/4 : , I hereby certify that this	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production (RCRA) Subtitle C Regulations: and not
Date: Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell a condition of acceptance for disposal ironmental Protection Agency (EPA). Trations, exempt from Resource Conserv	Carbons: n cell number: Permit # NM W1/2SW1/4 : , I hereby certify that this	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production (RCRA) Subtitle C Regulations: and not
Date: Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell a condition of acceptance for disposal ironmental Protection Agency (EPA). T rations, exempt from Resource Conserved with non-exempt waste."	Carbons: n cell number: Permit # NM W1/2SW1/4 : , I hereby certify that this The waste are: generated vation and Recovery Act	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production (RCRA) Subtitle C Regulations: and not
Date: Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell a condition of acceptance for disposal ironmental Protection Agency (EPA). T rations, exempt from Resource Conserved with non-exempt waste."	Carbons: n cell number: Permit # NM W1/2SW1/4 : , I hereby certify that this The waste are: generated vation and Recovery Act	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production (RCRA) Subtitle C Regulations: and not

Name:	PETING Lack.	
Address: 600 8	A STIMES S	Le Saite 400
Phone #:		
104117.	-9039	
Originating Location of	of waste material:	
	Low min 3	
Sec	T	_ R
<b>Transporter Information</b>	1:	
Name:	Yuskieks 5	
Phone #:		
Driver Signature:	HAPPA' CAR	51 P
Data: 10- 5-		The second second second second
	Carbons:	# of Yards:
Non-Hazardous Hydro-C	Carbons: n cell number: Permit # NM	# of Yards:
Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130	Carbons: n cell number: Permit # NM	# of Yards:
Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell as a condition of acceptance for disposal vironmental Protection Agency (EPA).	Carbons: n cell number: Permit # NM W1/2SW1/4 S N I hereby certify that this	# of Yards:
Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal vironmental Protection Agency (EPA).	Carbons: n cell number: Permit # NM W1/2SW1/4 S N I hereby certify that this	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production RCRA) Subtitle C Regulations: and not
Non-Hazardous Hydro-O Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 393-6964 - Home (575) 369-5266 - Cell as a condition of acceptance for disposal vironmental Protection Agency (EPA). Terations, exempt from Resource Conserved with non-exempt waste."	Carbons: n cell number: Permit # NM W1/2SW1/4 S N I hereby certify that this	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the
Non-Hazardous Hydro-C Waste material placed i Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal vironmental Protection Agency (EPA). To erations, exempt from Resource Conserv ted with non-exempt waste."	Carbons: n cell number: Permit # NM W1/2SW1/4 S W1/2SW1/4 S Note:: Note: Note: Note: Note: Note: Note: Note:	# of Yards: 01-0041 522T20SR34E waste is an exempt waste as defined by the from oil and gas exploration and production RCRA) Subtitle C Regulations: and not

# Lazy Ace Landfarm

Lease Operator Information:	
Name:	- LING L. P.
Address:	PENUG ALL MALES DO
Phone #:	0,000, 12 79700
	1 9039
Originating Location of waste	material.
	INTUDISTOTION
	R
<b>Fransporter Information:</b>	
Name:	
Address:	2.37
Phone #:	-52-94
Driver Signature:	
Date:	1
Non-Hazardous Hydro-Carbon	-
and the second se	# 01 Talus.
Waste material placed in cell nu	mber:
Lazy Ace Landfarm, L.L.C.	Permit # NM 01-0041
P.O. Box 130 Eunice, NM 88231	W1/2SW1/4 S22T20SR34E
Contacts: Danny Berry (575) 393-6964 - Home	
(0.0/000 0004 - 110116	

I

(575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Repre	esentative:		Date:	
	White - Original	Canary - Invoice	Pink - Trucker	2 loads

# Lazy Ace Landfarm

### Lease Operator Information:

Name:	pupeline
Address:	
Phone #:	- gro ipmaland The las

Originating Location of waste material:

Lease Name: \_\_\_\_\_\_ T\_\_\_\_\_ R \_\_\_\_\_\_

## **Transporter Information:**

Name:	1.6
Address:	B G B CHOLES MAN
Phone #:	34 59
Driver Signature:	
Date:	

## Non-Hazardous Hydro-Carbons:

# of Yards:

Waste material placed in cell number:

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

### **Contacts:**

Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative:		Date:	
White - Original	Canary - Invoice	Pink - Trucker	2 10ad 3

Name:	Plans i sel i light
Address:	10 Sun St Satt bag
Phone #:	and the salar
00 47	17-9039
Originating Location of	waste material
	and a state
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Transporter Information:	
Name:	tucken
Address:	they will a start
Phone #:	2 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 -
Driver Signature:	a hard in
Date:	
Waste material placed in	cell number:
Lazy Ace Landfarm, L.L.C.	
P.O. Box 130 Eunice, NM 88231	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
Contacts: Danny Berry	
(575) 393-6964 - Home	
(575) 393-6964 - Home (575) 369-5266 - Cell	
(575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal, vironmental Protection Agency (FPA) Th	I hereby certify that this waste is an exempt waste as defined by the waste are: generated from oil and gas exploration and production
(575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal, vironmental Protection Agency (FPA) Th	I hereby certify that this waste is an exempt waste as defined by the waste are: generated from oil and gas exploration and production tion and Recovery Act (RCRA) Subtitle C Regulations: and not
(575) 393-6964 - Home (575) 369-5266 - Cell as a condition of acceptance for disposal, vironmental Protection Agency (EPA). The erations, exempt from Resource Conserva axed with non-exempt waste."	I hereby certify that this waste is an exempt waste as defined by the waste are: generated from oil and gas exploration and productio tion and Recovery Act (RCRA) Subtitle C Regulations: and not
(575) 393-6964 - Home (575) 369-5266 - Cell is a condition of acceptance for disposal, vironmental Protection Agency (EPA). The erations, exempt from Resource Conserva ked with non-exempt waste."	tion and Recovery Act (RCRA) Subtitle C Regulations: and not
(575) 393-6964 - Home (575) 369-5266 - Cell as a condition of acceptance for disposal, vironmental Protection Agency (EPA). The erations, exempt from Resource Conserva	

# Lazy Ace Landfarm

### Lease Operator Information:

Nan	ne:		
Add	ress:	Pro So	inst such abo
Phor	ne #:	5.7.8	79.701
	P 0. 47		7
Orig	inating Location of	waste material:	
		Laving	in station
	Sec	T	_ R
Transport	er Information:		
Contraction in the second design of the second desi	e:	and the second se	
	ress:		
	ne #:		
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	rdous Hydro-Ca		# of Yards:
	e material placed in dfarm, L.L.C.	e cell number: Permit # NM	# of Yards:
Wast Lazy Ace Land P.O. Box 130 Eunice, NM 83 <b>Contacts:</b> Danny Berr (575) 393-6964 (575) 369-5266 As a condition of Environmental Prot	e material placed in dfarm, L.L.C. 3231 y 4 - Home 5 - Cell acceptance for disposal, ection Agency (EPA) T	Permit # NM W1/2SW1/4	# of Yards: 01-0041 \$22T20\$R34E
Wast Lazy Ace Land P.O. Box 130 Eunice, NM 84 <b>Contacts:</b> Danny Berr (575) 393-6964 (575) 369-5266 As a condition of invironmental Prot perations, exempt	e material placed in dfarm, L.L.C. 3231 4 - Home 5 - Cell acceptance for disposal, ection Agency (EPA). Ti from Resource Conserva	Permit # NM W1/2SW1/4	# of Yards:
Wast Lazy Ace Land P.O. Box 130 Eunice, NM 83 <b>Contacts:</b> Danny Berr (575) 393-6964 (575) 369-5266 As a condition of Environmental Prot	e material placed in dfarm, L.L.C. 3231 4 - Home 5 - Cell acceptance for disposal, ection Agency (EPA). Ti from Resource Conserva impt waste."	Permit # NM W1/2SW1/4	# of Yards: 01-0041 \$22T20\$R34E

# Lazy Ace Landfarm

Lease (	Operator	Information:
	Manual	OL ELL

	Name:
	Address:
	Phone #:
	Originating Location of waste material:
	Lease Name:
	Sec T R
Two	
<u></u>	nsporter Information:
	Name:
	Address:
	Phone #:
	Driver Signature:
	Date:
Non	-Hazardous Hydro-Carbons: # of Vorder
	# of Yards:

Waste material placed in cell number:

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

### **Contacts:**

Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell

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Date:
ink - Trucker

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M	an	11	PC	t	#
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# Lazy Ace Landfarm

## Lease Operator Information:

Name:	1 Love La Contra C
Address:	and the second
Phone #:	+x 78 101
Originating Location of wast Lease Name:	e material:
Sec T	R
Transporter Information:	
Name:	define the state of the second
Address:	
Phone #:	an entry
Driver Signature:	
	2-19
Non-Hazardous Hydro-Carbo	# 01 Talus
Waste material placed in cell i	number:
Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
<b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell	
	by certify that this waste is an exempt waste as defined by the te are: generated from oil and gas exploration and production nd Recovery Act (RCRA) Subtitle C Regulations: and not

Facility Representative:		Date:	
White - Original	Canary - Invoice	Pink - Trucker	

	P	Manifest #
Lazv A	ce Lan	dfarm
Lease Operator Informatio		gaint
Name:		E IP
Address:	PRin 2:	-1 5 1TL 600
Phone #;		
Originating Location of wa	aste material:	
Lease Name:	VIATOP 2	THTPOP
Sec	.TI	۲ <u></u>
Transporter Information:		
Name:	PSTRO	
Address:		
Phone #:	512 24	14
Driver Signature:	C CPS	TRO .
Date:	- 2017	
Non-Hazardous Hydro-Carl	and the second se	# of Yards:
Waste material placed in ce	ll number:	1
Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	Permit # NM 01 W1/2SW1/4 S22	
Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell		
"As a condition of acceptance for disposal, I he Environmental Protection Agency (EPA). The w operations, exempt from Resource Conservation mixed with non-exempt waste."		
Facility Representative:		Deter
	Canary - Invoice	Date: Pink - Trucker

Name:	PELINE IP.
Address: 00 Anh	serial interestioning
	4717
Originating Location of v	waste material
	R
	K
Transporter Information:	
Name:	1.1.26
	2-33 HUNGS DEN 16-11
Phone #:	13-7.2-14
Driver Signature:	
Driver Signature:	and the second sec
Date:	19
Date:	19
Date:	rbons: # of Yards:
Date:	rbons: # of Yards:
Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C.	rbons: # of Yards:
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Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	rbons: # of Yards:
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Date: Non-Hazardous Hydro-Can Waste material placed in o Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry	rbons: # of Yards:
Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts:	rbons: # of Yards:
Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Damy Berry (575) 393-6964 - Home (575) 369-5266 - Cell As a condition of acceptance for disposal. 11	rbons:       # of Yards:         cell number:
Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal, 11 vironmental Protection Agency (EPA) The	rbons:       # of Yards:         cell number:
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Date: Non-Hazardous Hydro-Can Waste material placed in of Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal, 11 vironmental Protection Agency (EPA) The	rbons:       # of Yards:         cell number:

Lease Operator Information	Ace Lan	J
Name:		A
Address:	sedine 57	Salta 1 80 -
Phone #:		
Originating Logation of		
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		STREAM
Sec		R
<b>Transporter Information:</b>		
Name:	Weer T	
Address:	US92 HT DIS	fable 1. 11. 85,140
Phone #:	7- 15-00	
Driver Signature:	asta No	nedly 6
Date: X (*/9		
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Non-Hazardous Hydro-Car		# of Yards:
Waste material placed in c	cell number:	7
Lazy Ace Landfarm, L.L.C.	Permit # NM (	01.0041
P.O. Box 130 Eunice, NM 88231	W1/2SW1/4 S	
Contacts:		
Danny Berry (575) 393-6964 - Home		
(575) 369-5266 - Cell		
As a condition of acceptance for disposal, I I Vironmental Protection Agency (EPA) The	hereby certify that this	Waste is an evennt wate as defined by the
indiana, exempt nom resource conservati	on and Recovery Act (	RCRA) Subtitle C Regulations: and not
xed with non-exempt waste."		
xed with non-exempt waste." acility Representative:		

	Manifest #
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Lazy Ac	e Landfarm
Lease Operator Information:	
Name:	Car and CP
Address:	weren I were ton
Phone #:	
Originating Location of waste	material:
Lease Name:	ington tation
Sec T_	R
Transporter Information:	
Name:	- Val
Address:	1031 Lovin Lin Man
Phone #:	
Driver Signature:	ha Victus grant
Date:	
Non-Hazardous Hydro-Carbon	# of Yards:
Waste material placed in cell nu	
Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
<b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell	
Environmental Protection Agency (EPA). The waste	certify that this waste is an exempt waste as defined by the are: generated from oil and gas exploration and production Recovery Act (RCRA) Subtitle C Regulations: and not

Facility Representative:		Date:	
White - Original	Canary - Invoice	Pink - Trucker	

Name:	
Address:	
Phone #:	
Originating Location of waste	material.
Lease Name:	
	R
Transporter Information:	
	tructores
Address: 326 5	trucking thorp. Hobbs N4882
Phone #: 432-8	09,0208
Driver Signature: Ma	×lore7
Differ Signature	~ 10 E /
Date: <u>10 - 28</u>	19
Date: <u>10 - 28</u> Non-Hazardous Hydro-Carbon	19# of Yards:
Date: <u>10 - 28</u>	19# of Yards:
Date: <u>10 - 28</u> Non-Hazardous Hydro-Carbon	19# of Yards:
Date: <u>20-28</u> Non-Hazardous Hydro-Carbon Waste material placed in cell n Lazy Ace Landfarm, L.L.C. P.O. Box 130	# of Yards: umber: Permit # NM 01-0041
Date: <u>20-28</u> Non-Hazardous Hydro-Carbon Waste material placed in cell n Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 <b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell s a condition of acceptance for disposal, i hereby vironmental Protection Agency (EPA). The wast	19         ns:       # of Yards:         umber:         Permit # NM 01-0041         W1/2SW1/4 S22T20SR34E
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		·C - 4 #
		nifest #
Lazy A	ce Land	farm
Lease Operator Informatio	n:	
Ivallic.	Te Lac Lat	
Address:	Strand Providence	the mallen the
Phone #:		
Originating Location of w	vaste material:	
Lease Name:		
Sec	R	
Transporter Information:		
	Tucking	a Vr
Address:	and .	OPIER Mr. ade deter
Phone #:	2 1005 -	396
Driver Signature:		
Date:		
Non-Hazardous Hydro-Ca	arbons:	# of Yards:
Waste material placed in	cell number:	
Lazy Ace Landfarm, L.L.C. P.O. Box 130	Permit # NM 0 W1/2SW1/4 S2	
Eunice, NM 88231		
<b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell		
"As a condition of acceptance for disposa Environmental Protection Agency (EPA)." operations, exempt from Resource Conser mixed with non-exempt waste."	The waste are: generated I	waste is an exempt waste as defined by the rom oil and gas exploration and production RCRA) Subtitle C Regulations: and not
Facility Representative:		Date:
White - Original	Canary - Invoice	Pink - Trucker

Name:	as partine L.D.
Address:	Pin Spins st, sule con
Phone #:	
Originating Locati	ion of waste material:
	ime:
Sec	TR
Transporter Information	tion:
Name:	ves Trychos es
Address:	6 5 Thorn of Mathe Arm
Phone #:	21 202 0202
Driver Signature:_	Tur A Real
Date;	
	ποι Taius.
Non-Hazardous Hydr Waste material plac Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	ro-Carbons: # of Yards: ced in cell number: Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
Waste material plac Lazy Ace Landfarm, L.L.C. P.O. Box 130	ced in cell number: Permit # NM 01-0041
Waste material plac Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 <b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell As a condition of acceptance for dis vironmental Protection Agency (FI	ced in cell number: Permit # NM 01-0041
Waste material plac Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 <b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell as a condition of acceptance for dis vironmental Protection Agency (El erations, exempt from Resource Co	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

# Lazy Ace Landfarm

Lease (	Operator	Information:
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Addre	ss:	2 13.13	-	in set 3	Lat les	
Phone	#:					
Origin	ating Loc	ation of w	aste mate	rial:		
	Lease 1	Name:				
			_ T	R		
	Sec	ation:		R		
Name	r Inform	ation:		R		98.24
Name: Addre	r Inform	ation:		R		3824
Name: Addre Phone	r Inform ss: #:	ation:	1	R		58.2.4

## Non-Hazardous Hydro-Carbons:

Waste material placed in cell number:

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

# of Yards:\_

### Contacts: Danny Berry

(575) 393-6964 - Home (575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Facility Representative:		Date:	
White - Original	Canary - Invoice	Pink - Trucker	

Name: Plota	a looilay
Address: Soo	
Phone #:79.79	A CONTRACTOR OF A CONTRACTOR
Originating Location	of waste material:
	Launaton Station
Sec	TR
ransporter Information	n:
Name:	5 therea
Address: 376	S. JOCH HALL NA SERVI
Phone #:	2-2-02-02-02
Driver Signature:	Nr.
Date:	11 OT 14143.
on-Hazardous Hydro- Waste material placed	in cell number:
On-Hazardous Hydro- Waste material placed Lazy Ace Landfarm, L.L.C. P.O. Box 130	11 OT 14143.
on-Hazardous Hydro- Waste material placed Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry 575) 393-6964 - Home	in cell number: Permit # NM 01-0041
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Name:	PELINE IP
Address:	12 7 7 7 7 7 7 5 0 X
Phone #:	
and the second stands	
Originating Location of waste	material:
	17213 27 A TESA
	R
Transporter Information:	
Name:	Walk with the second
Address:	
Phone #:	12 1414
Driver Signature:	CATRO
Date:	2-17
Non-Hazardous Hydro-Carbon	s: # of Yards:
Waste material placed in cell nu	
Lazy Ace Landfarm, L.L.C.	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
P.O. Box 130 Eunice, NM 88231	

	Date:
anary - Invoice	Pink - Trucker
	Canary - Invoice

Name:	director has the second second
Address:	Splings ST & Switz BOD
Phone #:	
Originating Location of was	te material:
Lease Name:	Station
Sec	Γ R
Transporter Information:	
Name:	Bust
Address:	Soute On Hobys Nom 38240
Phone #:	
Driver Signature:	do wortell
Driver Signature: Date:	do sonteth
Driver Signature: Date:	de Almited C
Date:	
Date: Non-Hazardous Hydro-Carbo	ons: # of Yards:
Date:	ons: # of Yards:
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C.	DINS: # of Yards: number: Permit # NM 01-0041
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell	ons: # of Yards:
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	DINS: # of Yards: number: Permit # NM 01-0041
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Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home	DINS: # of Yards: number: Permit # NM 01-0041
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell	Dns:         # of Yards:           number:
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 393-6964 - Cell as a condition of acceptance for disposal. 1 here	DMS:       # of Yards:         number:
Date: Non-Hazardous Hydro-Carbo Waste material placed in cell Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231 Contacts: Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell As a condition of acceptance for disposal, I here vironmental Protection Agency (EPA). The was erations, exempt from Resource Conservation a	Dns:         # of Yards:           number:
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# Lazy Ace Landfarm

### Lease Operator Information:

Name:	
Address:	ic sum of sul = 15ml
Phone #:	

Originating Location of waste material:

Lease Name:\_\_

Sec.\_\_\_\_\_

### **Transporter Information:**

Name:	
Address:	x 27-1
Phone #:	1254
Driver Signature:	
Date:	17

### Non-Hazardous Hydro-Carbons:

# of Yards:\_\_\_\_\_

Waste material placed in cell number:\_

Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

### **Contacts:**

Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell

" As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtile C Regulations: and not mixed with non-exempt waste."

acility Representativ	ve:	1	Date:	
Whit	e - Original	Canary - Invoice	Pink - Trucker	
w int	e - Original	Canary - Invoice	Pink - Trucker	

Name:	for here	I ALL MARKED PARTY
Address:	in Frencis	ST GUTE /18
Phone #:		10.7
Originating Location of v		
Lease Name:		
Sec	T	R
Transporter Information:		
	J. Pi	bege W.
Address:		
Phone #:	5 6 4 6	
		2 mille
Date:		
Waste material placed in	cell number:	
Lazy Ace Landfarm, L.L.C. P.O. Box 130	Permit # NM 0 W1/2SW1/4 S2	
Eunice, NM 88231		
Contacts:		
Danny Berry (575) 393-6964 - Home		
(575) 369-5266 - Cell		
(575) 369-5266 - Cell As a condition of acceptance for disposal, I nvironmental Protection Agency (EPA). Th perations, exempt from Resource Conservat ixed with non-exempt waste."	e waste are: generated fi	rom oil and gas exploration and production
As a condition of acceptance for disposal, I nvironmental Protection Agency (EPA). Th perations, exempt from Resource Conservat ixed with non-exempt waste."	e waste are: generated fi	rom oil and gas exploration and production RCRA) Subtitle C Regulations: and not
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As a condition of acceptance for disposal, I nvironmental Protection Agency (EPA). Th perations, exempt from Resource Conserva- ixed with non-exempt waste." Facility Representative:	e waste are: generated fi tion and Recovery Act ()	rom oil and gas exploration and productio RCRA) Subtitle C Regulations: and not Date:

# Lazy Ace Landfarm

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Lease Operator Information:	
Name:	Mine LP
Address:	SPAN # ST SHE HA
Phone #:	

A 3 . 1 619

R.

Originating Location of waste material:

Sec.

Lease Name:

Transporter Information:

Name:	- CUT
Address:	31 hours tong
Phone #:	
Driver Signature:	DIS
Date:	19

## Non-Hazardous Hydro-Carbons:

Waste material placed in cell number:

Lazy Ace Landfarm, L.L.C.

Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E

# of Yards:\_

#### **Contacts:**

P.O. Box 130

Eunice, NM 88231

Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations, exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations: and not mixed with non-exempt waste."

Date:	and the second states and	cility Representative:
Pink - Trucker	Canary - Invoice	White - Original
Pink - Trucker	Canary - Invoice	winte - Original

			and and a second se
			Manifest #
	Lazy	Ace Lan	dfarm
Lease	Operator Informat		agarm
	Name:	S PIPE	LINE IP
	Address: 500	SPRIM	95 STRIFON
	Phone #:		
	Originating Location of	waste material:	
	Lease Name:	LOVIDTON	7 STATFON
	Sec	T	R
Trans	porter Information:		
	Name:	ps Po	
	Address:		
	Phone #:	372241	1
	Driver Signature:	SC CPS	the a
	Date:	- 2017	
Non-H	lazardous Hydro-Ca	arbons:	# of Yards:
	Waste material placed in	a cell number:	7
P.O. Bo	ce Landfarm, L.L.C. x 130 NM 88231	Permit # NM ( W1/2SW1/4 S	
(575) 39	<b>acts:</b> 7 Berry 93-6964 - Home 59-5266 - Cell		
perations, e	tal Protection Agency (EPA). T	he waste are: generated f	waste is an exempt waste as defined by the rom oil and gas exploration and production RCRA) Subtitle C Regulations: and not
Facility F	Representative:	a Valle	Date:
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# Lazy Ace Landfarm

Name:	a la harden a	16 M
Address:	at land	The le la
Phone #:	H 12 5 6 6 5	
		Test
Originating Location of wa	ste material;	
Lease Name:		1 Station 1
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Transporter Information:		
Name:		
Address:		12 mil 5 million
Date:		
Waste material placed in ce	ll number:	
Lazy Ace Landfarm, L.L.C.	Permit # NM 0	11-0041
P.O. Box 130 Eunice, NM 88231	W1/2SW1/4 S2	
Contacts: Danny Berry		
(575) 393-6964 - Home (575) 369-5266 - Cell		
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As a condition of acceptance for disposal, I he nvironmental Protection Agency (EPA). The v perations, exempt from Resource Conservatio ixed with non-exempt waste."	waste are: generated fr	rom oil and gas exploration and production
acility Representative:		Date:
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W1/2SW1/4 S22T20SR34E
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ertify that this waste is an exempt waste as defined by the

P 0- 473	7-9039 Manifest #
T	
Lazy Ac	e Landfarm
Lease Operator Information:	
Name:	Line, L.P.
Address:	Sprins St. Suite 600
Phone #:	TX 79701
Originating Location of waste	
Lease Name:	nortea Etalian
Sec T_	R
<b>Transporter Information:</b>	
Name:	1 autors 24
Address:	They st
Phone #:	40202
Driver Signature:	- I the
Date:	19
	and the second se
Non-Hazardous Hydro-Carbo	ns: # of Yards:
Waste material placed in cell n	
Lazy Ace Landfarm, L.L.C. P.O. Box 130 Eunice, NM 88231	Permit # NM 01-0041 W1/2SW1/4 S22T20SR34E
<b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell	
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Facility Representative:	Date:
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White - Original

**Canary** - Invoice Pink - Trucker

Lazy A	Manifest # Ace Landfarm
Lease Operator Informatio	
Name:	
Address:	
Phone #:	
Originating Location of w	vaste material
	Lannaka Station
	_TR
Transporter Information:	
Name:	En Vast
Address:	auges all solicity watter
Phone #:	the second se
Driver Signature:	
Non-Hazardous Hydro-Car	bons:
Waste material placed in ce	n of Talus.
Lazy Ace Landfarm, L.L.C.	Permit # NM 01-0041
P.O. Box 130	WI /2 SWI // Seemense
P.O. Box 130 Eunice, NM 88231	W1/2SW1/4 S22T20SR34E
	W1/2SW1/4 S22T20SR34E
Eunice, NM 88231 <b>Contacts:</b> Danny Berry (575) 393-6964 - Home (575) 369-5266 - Cell As a condition of acceptance for disposal, I he nvironmental Protection Agency (EPA). The s	W1/2SW1/4 S22T20SR34E ereby certify that this waste is an exempt waste as defined by th waste are: generated from oil and gas exploration and production in and Recovery Act (RCRA) Subtitle C Regulations: and not
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		A DECEMBER OF THE OWNER.
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		Manifest #
Lazv A	ce Lan	dfarm
Lease Operator Informatio		5
Name:		
Address:		St State box Martal Th
Phone #:		1140
Phone #:		
Originating Location of w	acto material:	
Lease Name:		
		_ R
Sec	_ 1 <u></u>	_ K
-		
Transporter Information:		
Name:	14 Karala A.	
Address:		N.V.
Phone #:		
Driver Signature:		
Date:		
Non-Hazardous Hydro-Ca	rbons:	# of Yards:
Waste material placed in	cell number:	
Lazy Ace Landfarm, L.L.C.	Permit # NI	M 01-0041
P.O. Box 130 Eunice, NM 88231	W1/2SW1/	4 S22T20SR34E
Eunice, MM 00251		
Contacts: Danny Berry		
(575) 393-6964 - Home		
(575) 369-5266 - Cell		
"As a condition of acceptance for disposal, Environmental Protection Agency (EPA). T operations, exempt from Resource Conserv. mixed with non-exempt waste."	he waste are: generat	this waste is an exempt waste as defined by the ed from oil and gas exploration and production .ct (RCRA) Subtitle C Regulations: and not
P. III. Downsontations		Date:
Facility Representative: White - Original	Canary - Invoice	