

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

State of New Mexico  
Energy Minerals and Natural Resources

Form C-141  
Revised August 8, 2011

Oil Conservation Division

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC

1220 South St. Francis Dr.  
Santa Fe, NM 87505

Release Notification and Corrective Action

OPERATOR

Initial Report  Final Report

Name of Company <b>Frontier Field Services, LLC</b>	Contact <b>John Prentiss</b>
Address <b>4200 E. Skelly Drive, Suite 700, Tulsa, OK 74135</b>	Telephone No. <b>575-676-3528</b>
Facility Name <b>Maljamar Gas Plant</b>	Facility Type <b>Natural gas processing facility</b>
Surface Owner <b>Frontier Field Services, LLC</b>	Mineral Owner
API No. <b>N/A</b>	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
<b>J</b>	<b>13</b>	<b>19S</b>	<b>33E</b>	<b>1982ft</b>		<b>1820ft</b>		<b>Lea</b>

Latitude **32° 65' 82.44" N** Longitude **-103° 71' 71.02" W**

NATURE OF RELEASE

Type of Release <b>LOPC of heavy condensate from buried pipeline</b>	Volume of Release <b>est. 5bbl to surface and ~20bbl to subsurface</b>	Volume Recovered <b>~5bbl of free liquid recovered from surface and ~20bbl excavated</b>
Source of Release <b>Pinhole leak discovered in buried heavy condensate pipeline</b>	Date and Hour of Occurrence <b>Unknown</b>	Date and Hour of Discovery <b>1/12/15</b>
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? <b>Tomáš Oberding – NMOCD Jim Amos - BLM</b>	
By Whom? <b>Greg Busch – EHS Technician III</b>	Date and Hour <b>1/12/15 @ 15:55</b>	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

**RECEIVED**

By OCD; Dr. Oberding at 12:40 pm, Apr 13, 2015

If a Watercourse was Impacted, Describe Fully.\*  
N/A

Describe Cause of Problem and Remedial Action Taken.\*

On 1/12/2015, Rocky Peak LLC (contractor for Frontier Field Services) discovered a puddle of heavy condensate gathered on the surface above a known underground heavy condensate pipeline. The pipeline was immediately shut-in to prevent further leakage and notifications were made internally to operations leadership and environmental. Frontier estimated the release to exceed 5bbl and made prompt notifications to NMOCD and BLM.

On 1/12/2015 approximately 5bbl of free liquid was recovered from the surface with a hydrovac truck and disposed at an OCD approved facility. Excavation commenced to remove contaminated soils and restore integrity of the pipeline.

On 1/13/2015 the pipeline was successfully repaired.

Describe Area Affected and Cleanup Action Taken.\*

Approximately 468 yd<sup>3</sup> were excavated from the area surrounding the pipeline. The excavated material was transported to Lea Land, LLC for disposal on 1/13/15 to 2/5/15. Analytical samples were taken on 1/20/2015 and 3/6/15 to demonstrate that Chlorides, TPH, BTEX, and Benzene are below the levels outlined in "NMOCD Guidelines for Remediation of Leaks, Spills, and Releases." The area has been backfilled with clean soil. The completion date is 3/13/2015.

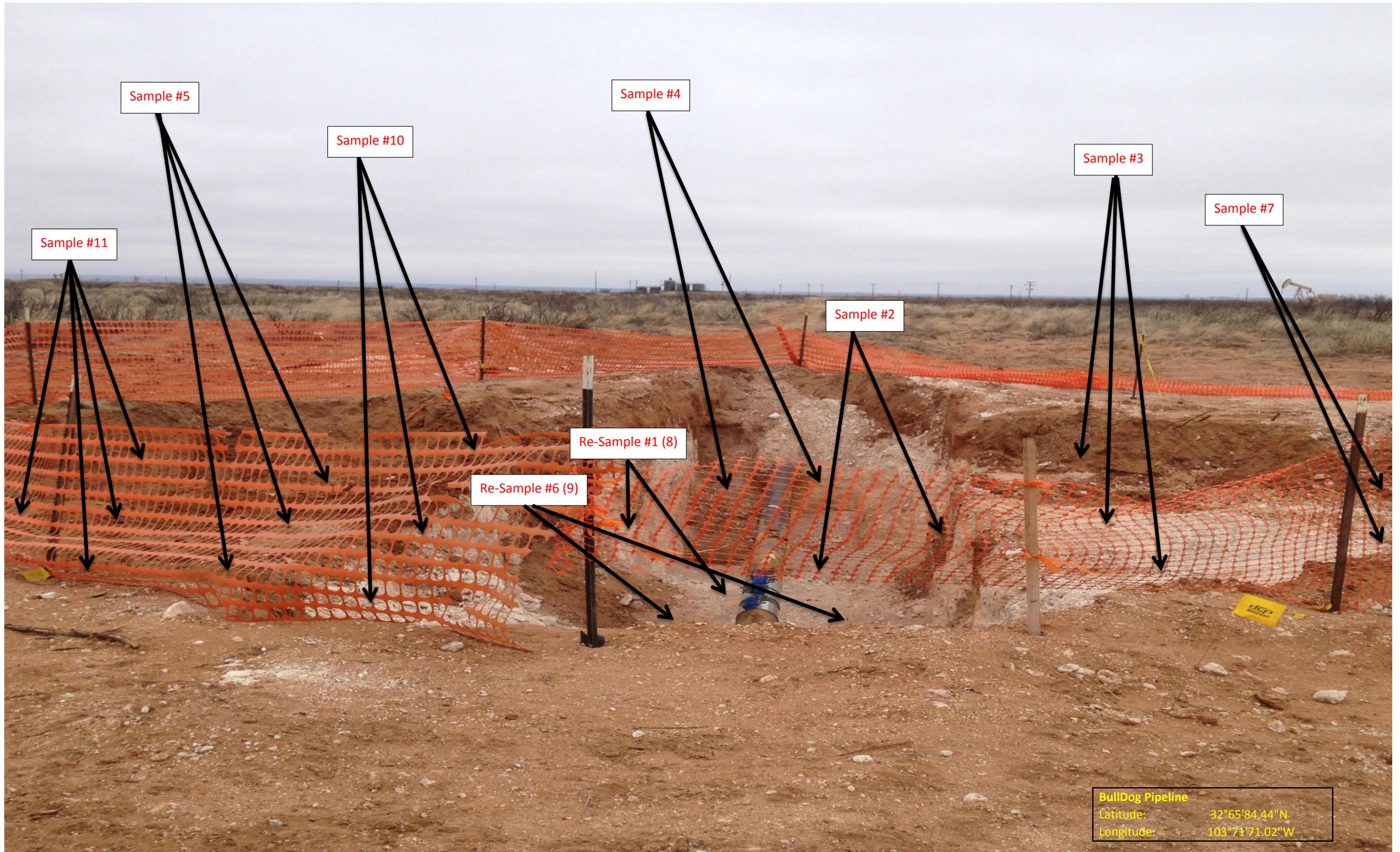
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger 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: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: <b>Harley Everhart</b>	Hydrologist	Approved by Environmental Specialist: 
Title: <b>EHS Technician III</b>	Approval Date: <b>04/13/2015</b>	Expiration Date: <b>///</b>
E-mail Address: <b>heverhart@akaenergy.com</b>	Conditions of Approval: <b>///</b>	Attached <input type="checkbox"/>

Completed 03/13/2015



**BullDog Pipeline**  
Latitude: 32°65'84.44"N  
Longitude: 103°71'71.02"W



Sample #11

Sample #5

Sample #10

Sample #4

Sample #2

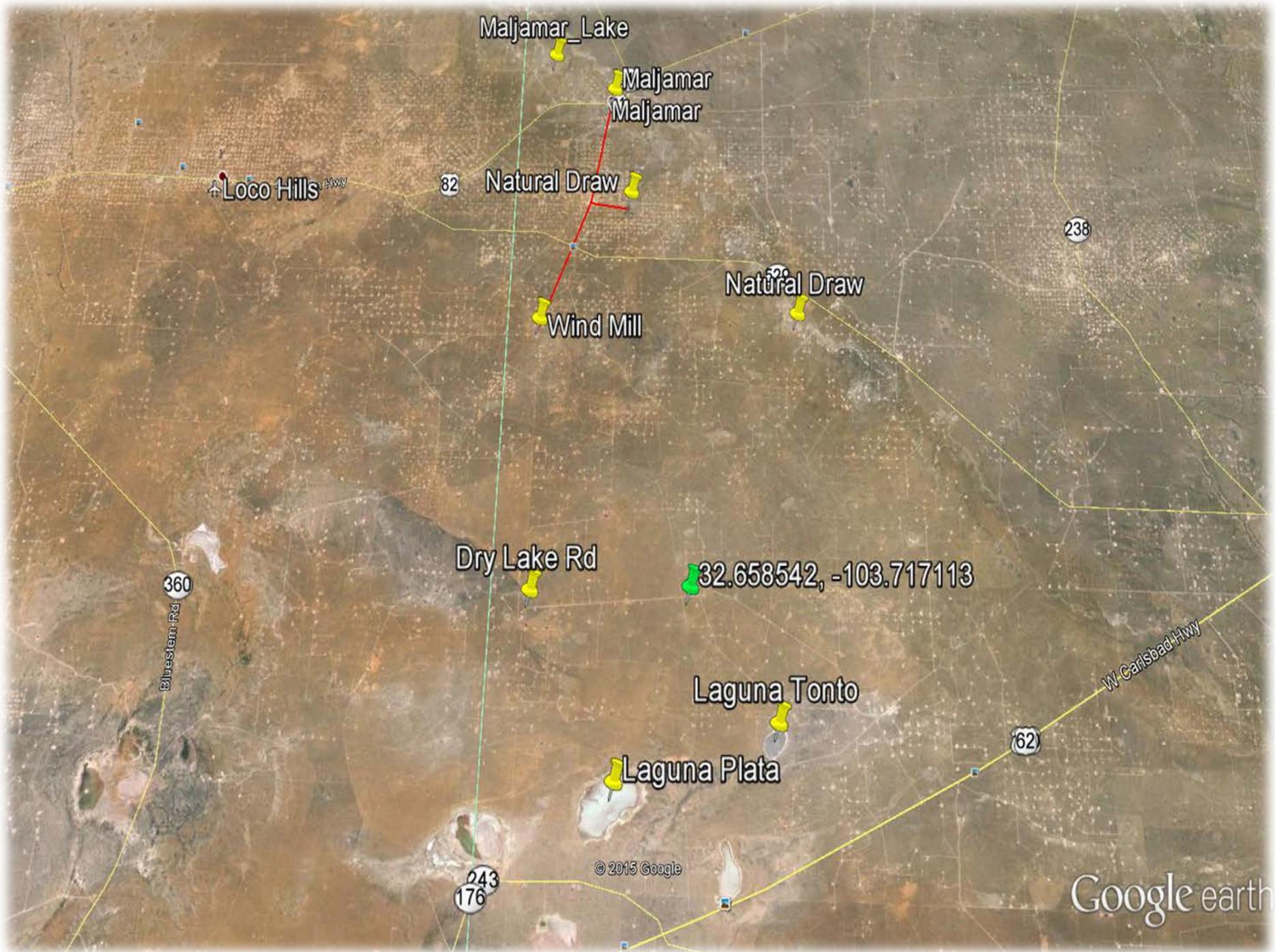
Sample #3

Sample #7

Re-Sample #1 (8)

Re-Sample #6 (9)

**Bulldog Pipeline**  
Latitude: 32°65'84.44"N  
Longitude: 103°71'71.02"W



Maljamar\_Lake

Maljamar  
Maljamar

Loco Hills Hwy

82

Natural Draw

238

Natural Draw

Wind Mill

Dry Lake Rd

32.658542, -103.717113

360

Bluestem Rd

W Carlsbad Hwy

Laguna Tonto

62

© 2015 Google

Google earth

243  
176

Laguna Plata

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE-MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Rocky Peak  
# 07

### NON-HAZARDOUS WASTE MANIFEST

NO **106416**

I. PAGE \_\_\_ OF \_\_\_

2. TRAILER NO. **07**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b> PHONE NO.	4. ADDRESS P.O: <b>Box 70</b> CITY: <b>Artesia</b> STATE: <b>NM</b> ZIP: <b>88210</b>	5. PICK-UP DATE <b>1/13/2015</b>			
			6. TNRCC I.D. NO.			
<b>E</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED: <b>(575) 877-5102</b>		8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
<b>N</b>	a. <b>Non-Regulated, Non Hazardous Waste</b>		1	CM		
<b>E</b>	b.					
<b>R</b>	c.					
<b>A</b>	d. <b>WT: 27720 24700 25900</b>					
<b>T</b>	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>10" STEEL PIPELINE</b>			13. WASTE PROFILE NO.		
<b>O</b>	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>					
<b>R</b>	NAME <b>Kin Slaughter</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
15. <b>GENERATOR'S CERTIFICATION:</b> I Herby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC						
PRINTED/TYPED NAME			SIGNATURE		DATE	
<b>T</b>	16. <b>TRANSPORTER (1)</b>			17. <b>TRANSPORTER (2)</b>		
<b>R</b>	NAME: <b>ROCKY PEAK</b>			NAME:		
<b>A</b>	TEXAS I.D. NO.			TEXAS I.D. NO.		
<b>P</b>	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>			IN CASE OF EMERGENCY CONTACT:		
<b>O</b>	EMERGENCY PHONE: <b>(575) 300-8088</b>			EMERGENCY PHONE:		
<b>R</b>	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material			19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material		
<b>T</b>	PRINTED/TYPED NAME <b>Robert Cueto</b>			PRINTED/TYPED NAME _____		
<b>E</b>	SIGNATURE <b>Robert Cueto</b> DATE <b>1/13/2015</b>			SIGNATURE _____ DATE _____		
<b>S</b>						
<b>D</b>	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048	
	PERMIT NO. WM-01-035 - New Mexico			20. COMMENTS		
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I Herby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.					
<b>I</b>	AUTHORIZED SIGNATURE <b>Santos Gonzalez</b>		CELL NO. _____		DATE <b>1/13/2015</b>	
<b>S</b>					TIME <b>12:20</b>	

GENERATOR: COPIES 1 & 6

DISPOSAL SITE: COPIES 2 & 3

TRANSPORTERS: COPIES 4 & 5

COPY 1

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Rodriguez #5

**NON-HAZARDOUS WASTE MANIFEST**

NO **106417**

1. PAGE      OF     

2. TRAILER NO.     

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS P.O. Box 70 CITY STATE ZIP	5. PICK-UP DATE <b>1/13/2015</b>		
	PHONE NO. <b>(575) 677-5102</b>	Artesia NM 88210	6. TNRCC I.D. NO.		
<b>E N E R A T O R</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non-Regulated, Non Hazardous Waste</b>		1	CM	
	b.				
	c.				
d. <b>WT: 21,340 30,020</b>					
12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>10" STEEL PIPELINE</b>			13. WASTE PROFILE NO.		
<b>TOTAL 56310</b>					
<b>14. IN CASE OF EMERGENCY OR SPILL, CONTACT</b>					
NAME <b>Kin Slaughter</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO.	
<b>15. GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC					
PRINTED/TYPED NAME			SIGNATURE		DATE
<b>T R A N S P O R T E R S</b>	<b>16. TRANSPORTER (1)</b>			<b>17. TRANSPORTER (2)</b>	
	NAME: <b>ROCKY PEAK</b>			NAME:	
	TEXAS I.D. NO.			TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>			IN CASE OF EMERGENCY CONTACT:	
	EMERGENCY PHONE: <b>(575) 390-8066</b>			EMERGENCY PHONE:	
18. TRANSPORTER (1): Acknowledgment of receipt of material			19. TRANSPORTER (2): Acknowledgment of receipt of material		
PRINTED/TYPED NAME: <b>Alfonso R</b>			PRINTED/TYPED NAME		
SIGNATURE: <b>Alfonso R</b> DATE: <b>1/13/2015</b>			SIGNATURE DATE		
<b>D I S P O S I T A L Y</b>	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: <b>575-887-4048</b>
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS		
	<b>21. DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
AUTHORIZED SIGNATURE: <b>Santos Gonzalez</b>		CELL NO.	DATE	TIME <b>2:10</b>	

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Rocky Peak

**NON-HAZARDOUS WASTE MANIFEST** NO **106420** 1. PAGE     OF     2. TRAILER NO. # **07**

3. COMPANY NAME <b>FRONTIER SERVICES</b> PHONE NO. <b>(575) 877-5402</b>	4. ADDRESS P.O. Box 70 CITY <b>Artesia</b> STATE <b>NM</b> ZIP <b>88210</b>	5. PICK-UP DATE <b>1/14/2015</b> 6. TNRCC I.D. NO.
--------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	----------------------------------------------------------

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS		9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	No.	Type			
a. <b>Non-Regulated; Non Hazardous Waste</b>	1	CM.			
b. <b>26680 25,000</b>					
c.					
d. <b>WT: 21,240. 25,640 25,200</b>					

<b>14. IN CASE OF EMERGENCY OR SPILL, CONTACT</b>		
NAME <b>Kin Slaughter</b>	PHONE NO. <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

**15. GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
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<b>T R A N S P O R T E R S</b>	<b>16. TRANSPORTER (1)</b>	<b>17. TRANSPORTER (2)</b>	
	NAME: <b>ROCKY PEAK</b>	NAME:	
	TEXAS I.D. NO.	TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>	IN CASE OF EMERGENCY CONTACT:	
EMERGENCY PHONE: <b>(575) 390-6086</b>	EMERGENCY PHONE:		
<b>18. TRANSPORTER (1):</b> Acknowledgment of receipt of material		<b>19. TRANSPORTER (2):</b> Acknowledgment of receipt of material	
PRINTED/TYPED NAME <b>Robert Cueto</b>	PRINTED/TYPED NAME		
SIGNATURE <b>Robert Cueto</b>	SIGNATURE	DATE <b>1/14/2015</b>	DATE

<b>Lea Land, LLC</b>	ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
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PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
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**21. DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <b>Domino</b>	CELL NO.	DATE <b>1/14/2015</b>	TIME <b>8:25</b>
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# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*Rodriguez*

**NON-HAZARDOUS WASTE MANIFEST** NO **106422** 1. PAGE     OF     2. TRAILER NO. **#5**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS P.O. Box 70 CITY STATE ZIP	5. PICK-UP DATE <b>1/14/2015</b>
	PHONE NO. <b>(575) 677-5402</b>	Artesia NM 88210	6. TNRCC I.D. NO.

<b>E</b> <b>N</b> <b>E</b> <b>R</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste.</b>	1 CM <sup>3</sup>			
	b. <b>32,580 28240</b>				
	c.				

12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>10" STEEL PIPELINE</b>	13. WASTE PROFILE NO.
--------------------------------------------------------------------	-----------------------

**14. IN CASE OF EMERGENCY OR SPILL, CONTACT**

NAME <b>Kim Slaughter</b>	PHONE NO. <b>575-887-4048</b>	24-HOUR EMERGENCY NO.
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**15. GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
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<b>T</b> <b>R</b> <b>A</b> <b>N</b> <b>S</b> <b>P</b> <b>O</b> <b>R</b> <b>T</b> <b>E</b> <b>R</b> <b>S</b>	<b>16. TRANSPORTER (1)</b>	<b>17. TRANSPORTER (2)</b>
	NAME: <b>ROCKY PEAK</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>	IN CASE OF EMERGENCY CONTACT:

18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: <b>Catal Rodriguez</b>	PRINTED/TYPED NAME: _____
SIGNATURE: <i>[Signature]</i> DATE: <b>1/14/2015</b>	SIGNATURE: _____ DATE: _____

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
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PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
---------------------------------------------	--------------

**21. DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>[Signature]</i>	CELL NO.	DATE <b>1/14/2015</b>	TIME <b>8:55</b>
--------------------------------------------	----------	--------------------------	---------------------

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY. 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

*C. A. Martinez*

**NON-HAZARDOUS WASTE MANIFEST** NO **106424** 1. PAGE      OF      2. TRAILER NO. **#3**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS <b>P.O. Box 70</b> CITY STATE ZIP <b>Artesia NM 88210</b>			5. PICK-UP DATE <b>1/14/2015</b>	
	PHONE NO. <b>(575) 877 5402</b>				6. TNRCC I.D. NO.	

<b>E</b> <b>N</b> <b>E</b> <b>R</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:			8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste</b>						
	b. <b>26780</b>						
	c. <b>dwt: 25360 25820 26720</b>						

12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>10" STEEL PIPELINE</b>	13. WASTE PROFILE NO.
--------------------------------------------------------------------	-----------------------

14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>		
NAME <b>Kim Slaughter</b>	PHONE NO <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

**15. GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
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<b>T</b> <b>R</b> <b>A</b> <b>N</b> <b>S</b> <b>P</b> <b>O</b> <b>R</b> <b>T</b> <b>E</b> <b>R</b> <b>S</b>	16. <b>TRANSPORTER (1)</b>		17. <b>TRANSPORTER (2)</b>	
	NAME: <b>ROCKY PEAK</b>		NAME:	
	TEXAS I.D. NO.		TEXAS I.D. NO.	
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>		IN CASE OF EMERGENCY CONTACT:	
EMERGENCY PHONE: <b>(575) 390-6066</b>		EMERGENCY PHONE:		
18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material		19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material		
PRINTED/TYPED NAME: <b>Hector Fierro</b>		PRINTED/TYPED NAME: _____		
SIGNATURE: <i>[Signature]</i> DATE: <b>1/14/2015</b>		SIGNATURE: _____ DATE: _____		

<b>D</b> <b>I</b> <b>S</b> <b>P</b> <b>O</b> <b>S</b> <b>I</b> <b>T</b> <b>A</b> <b>L</b> <b>Y</b>	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
	PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS	

21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
AUTHORIZED SIGNATURE <i>[Signature]</i>	CELL NO.	DATE <b>1/14/2015</b>	TIME <b>9:00</b>

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Rocky Peak

**NON-HAZARDOUS WASTE MANIFEST** NO **106452** 1. PAGE     OF     2. TRAILER NO. **# 7**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b> PHONE NO. <b>(575) 877-5102</b>	4. ADDRESS P.O. Box 70 CITY <b>Artesia</b> STATE <b>NM</b> ZIP <b>88210</b>	5. PICK-UP DATE <b>1/15/2015</b>
			6. TNRCC I.D. NO.

<b>E</b> <b>N</b> <b>E</b> <b>R</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
	a. <b>Non-Regulated, Non Hazardous Waste</b>	<b>1</b> <b>CM</b>			
	b. <b>32380 24360</b>				
	c. <b>dwt: 26,660 31,540 30,620</b>				

12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>10% STEEL PIPELINE</b>	13. WASTE PROFILE NO.
--------------------------------------------------------------------	-----------------------

<b>14. IN CASE OF EMERGENCY OR SPILL, CONTACT</b>		
NAME <b>Kin Slaughter</b>	PHONE NO <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

**15. GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
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<b>T</b> <b>R</b> <b>A</b> <b>N</b> <b>S</b> <b>P</b> <b>O</b> <b>R</b> <b>T</b> <b>E</b> <b>R</b> <b>S</b>	<b>16. TRANSPORTER (1)</b>	<b>17. TRANSPORTER (2)</b>
	NAME: <b>ROCKY PEAK</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: <b>(575) 390-6066</b>	EMERGENCY PHONE:	
<b>18. TRANSPORTER (1):</b> Acknowledgment of receipt of material	<b>19. TRANSPORTER (2):</b> Acknowledgment of receipt of material	
PRINTED/TYPED NAME: <b>Robert Cueto</b>	PRINTED/TYPED NAME: _____	
SIGNATURE: <i>Robert Cueto</i> DATE: <b>1/15/2015</b>	SIGNATURE: _____ DATE: _____	

<b>Lea Land, LLC</b>	ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>	PHONE: <b>575-887-4048</b>
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PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
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**21 DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE <i>Santos Gonzalez</i>	CELL NO. _____	DATE <b>1/15/2015</b>	TIME <b>9:10</b>
------------------------------------------------	----------------	--------------------------	---------------------

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 - 30 MILES EAST OF CARLSBAD, NM - PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Unique

### NON-HAZARDOUS WASTE MANIFEST

NO **100896**

1. PAGE    OF   

2. TRAILER NO. **# 24**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS <b>P.O. Box 70</b>	5. PICK-UP DATE <b>7/18/2014</b>
	PHONE NO.	CITY STATE ZIP	6. TNRCC I.D. NO.

<b>E</b>	NAME OR DESCRIPTION OF WASTE SHIPPED: <b>Non-Regulated Non-Hazardous Waste</b>	CONTAINERS		9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
		No.	Type			
<b>N</b>	a.		<b>CM</b>			
<b>E</b>	c. <b>③ 43,660</b>					
<b>R</b>	d. <b>WT ④ 42,740      ② 44,420</b>					

12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MALJAMAR GAS PLANT      TOTAL - 130820</b>	13. WASTE PROFILE NO.
----------------------------------------------------------------------------------------	-----------------------

14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
NAME <b>Kim Slaughter</b>	PHONE NO. <b>575-887-4048</b>	24-HOUR EMERGENCY NO.

15. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
--------------------	-----------	------

<b>T R A N S P O R T E R S</b>	16. TRANSPORTER (1)	17. TRANSPORTER (2)
	NAME: <b>UNIQUE VACUUM SERV.</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>JOHN LOPEZ</b>	IN CASE OF EMERGENCY CONTACT:

18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME <b>Ruben Canales</b>	PRINTED/TYPED NAME _____
SIGNATURE <b>Ruben Canales</b> DATE <b>7/18/2014</b>	SIGNATURE _____      DATE _____

D F I A S C I O L S I A T L Y	ADDRESS: <b>Lea Land, LLC</b> Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: <b>575-887-4048</b>
-------------------------------	-------------------------------------------------------------------------------------------------------	-------------------------------

PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
---------------------------------------------	--------------

21. DISPOSAL FACILITY'S CERTIFICATION: I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.			
AUTHORIZED SIGNATURE <b>Donna Jewino</b>	CELL NO. _____	DATE <b>7/18/2014</b>	TIME <b>9:30.</b>

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Unique

### NON-HAZARDOUS WASTE MANIFEST

NO **100925**

1. PAGE    OF   

2. TRAILER NO. **#24**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS <b>P.O. Box 70</b>	5. PICK-UP DATE <b>7/21/2014</b>		
	PHONE NO. <b>(575) 877-5102</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO. <u>  </u>		
<b>E</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS	9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non-Regulated Non-Hazardous Waste</b>		No. <b>1</b>	Type <b>GM</b>	
	b. <u>  </u>				
	c. <u>  </u>				
<b>R</b>	d. <b>WT: ① 45.120 ② 45.120 ③ 44.520</b>				
	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MALJAMAR GAS PLANT TOTAL - 134,760</b>			13. WASTE PROFILE NO. <u>  </u>	
<b>A</b>	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>				
	NAME <b>Kim Slaughter</b>		PHONE NO. <b>575-887-4048</b>		24-HOUR EMERGENCY NO. <u>  </u>
<b>O</b>	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC				
	PRINTED/TYPED NAME		SIGNATURE		DATE
<b>T</b>	16. <b>TRANSPORTER (1)</b>		17. <b>TRANSPORTER (2)</b>		
	NAME: <b>UNIQUE VACUUM SERV</b>		NAME: <u>  </u>		
	TEXAS I.D. NO. <u>  </u>		TEXAS I.D. NO. <u>  </u>		
	IN CASE OF EMERGENCY CONTACT: <b>JOHN LOPEZ</b>		IN CASE OF EMERGENCY CONTACT: <u>  </u>		
<b>R</b>	EMERGENCY PHONE: <b>575-399-4830</b>		EMERGENCY PHONE: <u>  </u>		
	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material		19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material		
	PRINTED/TYPED NAME <b>Ruben Gonzalez</b>		PRINTED/TYPED NAME <u>  </u>		
<b>S</b>	SIGNATURE <b>Ruben Gonzalez</b>		SIGNATURE <u>  </u>		DATE <b>7/21/2014</b>
	DATE <u>  </u>		DATE <u>  </u>		
<b>D</b>	Lea Land, LLC		ADDRESS: <b>Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM</b>		PHONE: <b>575-887-4048</b>
	PERMIT NO. <b>WM-01-035 - New Mexico</b>		20. COMMENTS <u>  </u>		
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
<b>L</b>	AUTHORIZED SIGNATURE <b>Donna Irwino</b>		CELL NO. <u>  </u>	DATE <b>7/21/2014</b>	TIME <b>9:05</b>
	<u>  </u>		<u>  </u>	<u>  </u>	<u>  </u>

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 - 30 MILES EAST OF CARLSBAD, NM - PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Unique

**NON-HAZARDOUS WASTE MANIFEST**

NO **101068**

1. PAGE      OF     

2. TRAILER NO. **#7**

<b>G</b>	3. COMPANY NAME <b>FRONTIER SERVICES</b>	4. ADDRESS <b>P.O. Box 70</b>	5. PICK-UP DATE <b>7/24/2014</b>		
	PHONE NO. <b>(575) 877-5402</b>	CITY STATE ZIP <b>Artesia NM 88210</b>	6. TNRCC I.D. NO.		
<b>N</b>	7. NAME OR DESCRIPTION OF WASTE SHIPPED:		8. CONTAINERS No. Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.
	a. <b>Non-Regulated Non-Hazardous Waste</b>		<b>1</b> <b>GM</b>		
	b. <b>WT: 52,120</b>				
<b>E</b>	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>MALJAMAR GAS PLANT</b>			13. WASTE PROFILE NO.	
	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>				
<b>T</b>	NAME <b>Kim Slaughter</b>		PHONE NO. <b>575-887-4048</b>	24-HOUR EMERGENCY NO.	
	15. <b>GENERATOR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC				
<b>O</b>	PRINTED/TYPED NAME		SIGNATURE		DATE
	16. <b>TRANSPORTER (1)</b>		17. <b>TRANSPORTER (2)</b>		
<b>T R A N S P O R T E R S</b>	NAME: <b>UNIQUE VACUUM SERV</b>		NAME:		
	TEXAS I.D. NO.		TEXAS I.D. NO.		
	IN CASE OF EMERGENCY CONTACT: <b>JOHN LOPEZ</b>		IN CASE OF EMERGENCY CONTACT:		
	EMERGENCY PHONE: <b>575399-4830</b>		EMERGENCY PHONE:		
18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material		19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material			
PRINTED/TYPED NAME <b>X T Garcia</b>		PRINTED/TYPED NAME _____			
SIGNATURE <b>X T Garcia</b>		DATE <b>7/24/2014</b>		SIGNATURE _____ DATE _____	
<b>D I S P O S I T A L Y</b>	Lea Land, LLC		ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM		PHONE: 575-887-4048
	PERMIT NO. WM-01-035 - New Mexico		20. COMMENTS		
	21. <b>DISPOSAL FACILITY'S CERTIFICATION:</b> I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.				
AUTHORIZED SIGNATURE <b>Donna Newino</b>		CELL NO.	DATE <b>7/24/2014</b>	TIME <b>8:05</b>	

2nd Remediation Attempt

# LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

## LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257

Unique

### NON-HAZARDOUS WASTE MANIFEST

NO **107090**

1. PAGE    OF   

2. TRAILER NO. **5**

G E	3. COMPANY NAME <b>FRONTIER SERVICES</b> PHONE NO. <b>(475) 877-8107</b>	4. ADDRESS P.O. Box 70 CITY STATE ZIP <b>Artesia NM 88710</b>	5. PICK-UP DATE <b>2/5/2015</b>
			6. TNRCC I.D. NO.

N E R	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS		9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
		No.	Type			
	a. <b>Non-Regulated, Non Hazardous Waste</b>	<b>1</b>	<b>CM</b>			
	b.					
	c.					
	d. <b>ART 41360 41540</b>					

A	12. COMMENTS OR SPECIAL INSTRUCTIONS: <b>BULLDOG 10" STEEL PIPELINE</b>	13. WASTE PROFILE NO.
---	----------------------------------------------------------------------------	-----------------------

T	14. <b>IN CASE OF EMERGENCY OR SPILL, CONTACT</b>		
	NAME <b>Kim Slaughter</b>	PHONE NO. <b>575-887-4048</b>	24 HOUR EMERGENCY NO. <i>[Signature]</i>

15. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

R	PRINTED/TYPED NAME	SIGNATURE	DATE
---	--------------------	-----------	------

T R A N S P O R T E R S	16. <b>TRANSPORTER (1)</b>	17. <b>TRANSPORTER (2)</b>
	NAME: <b>ROCKY PEAK</b>	NAME:
	TEXAS I.D. NO.	TEXAS I.D. NO.
	IN CASE OF EMERGENCY CONTACT: <b>ROBERT CUETO</b>	IN CASE OF EMERGENCY CONTACT:
	EMERGENCY PHONE: <b>(575) 390-8088</b>	EMERGENCY PHONE:

	18. <b>TRANSPORTER (1):</b> Acknowledgment of receipt of material	19. <b>TRANSPORTER (2):</b> Acknowledgment of receipt of material
	PRINTED/TYPED NAME <i>[Signature]</i>	PRINTED/TYPED NAME
	SIGNATURE <i>[Signature]</i> DATE <b>2/5/2015</b>	SIGNATURE DATE

D I S P O S I T O R S I T Y	Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: <b>575-887-4048</b>
--------------------------------------------------------------------	---------------	-------------------------------------------------------------------------------	-------------------------------

	PERMIT NO. <b>WM-01-035 - New Mexico</b>	20. COMMENTS
--	---------------------------------------------	--------------

21. **DISPOSAL FACILITY'S CERTIFICATION:** I hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

	AUTHORIZED SIGNATURE <i>Donna Gavino</i>	CELL NO.	DATE <b>2/5/2015</b>	TIME <b>9:25</b>
--	---------------------------------------------	----------	-------------------------	---------------------



March 06, 2015

HARLEY EVERHART  
FRONTIER FIELD SERVICES  
4200 SKELLY DRIVE, SUITE 700  
TULSA, OK 74135

RE: FFS PIPELINE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/15 12:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 FRONTIER FIELD SERVICES  
 HARLEY EVERHART  
 4200 SKELLY DRIVE, SUITE 700  
 TULSA OK, 74135  
 Fax To: (575) 676-2401

Received:	03/02/2015	Sampling Date:	03/02/2015
Reported:	03/06/2015	Sampling Type:	Soil
Project Name:	FFS PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	2015030302	Sample Received By:	Jodi Henson
Project Location:	PIPELINE ROW		

**Sample ID: BULL DOG 08 (H500573-01)**

BTEX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/04/2015	ND	2.04	102	2.00	1.08		
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15		
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03		
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645		
Total BTEX	<0.300	0.300	03/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.0 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/03/2015	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	03/02/2015	ND	197	98.7	200	0.147		
<b>DRO &gt;C10-C28</b>	<b>53.1</b>	10.0	03/02/2015	ND	182	91.1	200	4.87		

Surrogate: 1-Chlorooctane 67.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 63.1 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 FRONTIER FIELD SERVICES  
 HARLEY EVERHART  
 4200 SKELLY DRIVE, SUITE 700  
 TULSA OK, 74135  
 Fax To: (575) 676-2401

Received:	03/02/2015	Sampling Date:	03/02/2015
Reported:	03/06/2015	Sampling Type:	Soil
Project Name:	FFS PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	2015030302	Sample Received By:	Jodi Henson
Project Location:	PIPELINE ROW		

**Sample ID: BULL DOG 09 (H500573-02)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/03/2015	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	03/02/2015	ND	197	98.7	200	0.147	
<b>DRO &gt;C10-C28</b>	<b>1490</b>	10.0	03/02/2015	ND	182	91.1	200	4.87	

Surrogate: 1-Chlorooctane 65.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.3 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 FRONTIER FIELD SERVICES  
 HARLEY EVERHART  
 4200 SKELLY DRIVE, SUITE 700  
 TULSA OK, 74135  
 Fax To: (575) 676-2401

 Received: 03/02/2015  
 Reported: 03/06/2015  
 Project Name: FFS PIPELINE  
 Project Number: 2015030302  
 Project Location: PIPELINE ROW

 Sampling Date: 03/02/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BULL DOG 10 (H500573-03)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/04/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/04/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/04/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/04/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.5 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/03/2015	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	03/02/2015	ND	197	98.7	200	0.147	
<b>DRO &gt;C10-C28</b>	<b>143</b>	10.0	03/02/2015	ND	182	91.1	200	4.87	

Surrogate: 1-Chlorooctane 64.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 67.4 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 FRONTIER FIELD SERVICES  
 HARLEY EVERHART  
 4200 SKELLY DRIVE, SUITE 700  
 TULSA OK, 74135  
 Fax To: (575) 676-2401

Received:	03/02/2015	Sampling Date:	03/02/2015
Reported:	03/06/2015	Sampling Type:	Soil
Project Name:	FFS PIPELINE	Sampling Condition:	Cool & Intact
Project Number:	2015030302	Sample Received By:	Jodi Henson
Project Location:	PIPELINE ROW		

**Sample ID: BULL DOG 11 (H500573-04)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/05/2015	ND	2.04	102	2.00	1.08	
Toluene*	<0.050	0.050	03/05/2015	ND	1.83	91.4	2.00	1.15	
Ethylbenzene*	<0.050	0.050	03/05/2015	ND	2.05	103	2.00	1.03	
Total Xylenes*	<0.150	0.150	03/05/2015	ND	5.47	91.2	6.00	0.645	
Total BTEX	<0.300	0.300	03/05/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 61-154

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/03/2015	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	03/02/2015	ND	197	98.7	200	0.147	
<b>DRO &gt;C10-C28</b>	<b>171</b>	10.0	03/02/2015	ND	182	91.1	200	4.87	

Surrogate: 1-Chlorooctane 67.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 60.8 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



Date: 04/09/2015

Phone: 575-513-4922

\* Attach Additional Sheets If Necessary

Attached to this Final NMOCD C-141 report includes:

- 1) FFS\_Pipeline\_BullDog\_CardinalLab\_Samples\_1.20.15
- 2) Bull-Dog Pipeline\_SamplingLocations\_3.6.15
- 3) FFS\_Pipeline\_BullDog\_CardinalLab\_Samples\_3.6.15
- 4) Bull-Dog\_Pipeline\_LeaLand\_Manifest\_3.13.15
- 5) Bull-Dog Pipeline\_Completion\_3.13.15