

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

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

Form C-141
Revised August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: Logos Operating (for WPX)	Contact: Tamra Sessions	
Address: 4001 N. Butler, Bldg 7101, Farmington, NM 87401	Telephone No.: 505-436-2606	
Facility Name: LOGOS 10	Facility Type: Oil Well	
Surface Owner: Jicarilla	Mineral Owner: Jicarilla	API No.: 30-043-21158


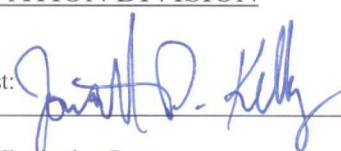
LOCATION OF RELEASE

Unit Letter L	Section 6	Township 22N	Range 5W	Feet from the 1930'	North/South Line FSL	Feet from the 330'	East/West Line FWL	County SANDOVAL
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Latitude 36.16463 Longitude 107.41022

NATURE OF RELEASE

Type of Release: Produced water	Volume of Release: ~3.5bbls	Volume Recovered: ~3.5bbls
Source of Release: Hydrera tank	Date and Hour of Occurrence: 12/26/13 Hour unknown	Date and Hour of Discovery: 12/26/13 15:00hr
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jonathon Kelly, OCD discovered & notified LOGOS personnel. Logos notified Bryce Hammond & Rod Velarde, Jicarilla BLM	
By Whom? Tamra Sessions	Date and Hour: 12/27/13 08:00hr	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Pin hole in Hydrera tank @~5' caused leaking. 460bbls of fluid was pulled out of the Hydrera tank which stopped the leaking. Logos dug small hole (4x4x3) to contain fluid. Sucked all free standing fluid out of hole daily with TRC pump (until leaking stopped, approximately 3 days) and returned fluid to Hydrera tank.		
Describe Area Affected and Cleanup Action Taken.* Stained dirt around west side of Hydrera tank. Cleaned up when Hydrera tank was dismantled. Any waste was hauled off with the remaining bottoms from the Hydrera tank. Envirotech sampled 1/23/14, results below levels, see attached report.		
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: 		OIL CONSERVATION DIVISION	
Printed Name: Tamra Sessions		Approved by Environmental Specialist: 	
Title: Operations Technician		Approval Date: <u>2/6/2015</u>	Expiration Date:
E-mail Address: tsessions@logosresourcesllc.com		Conditions of Approval:	
Date: 02/02/2015 Phone: 505-436-2606		Attached <input type="checkbox"/>	

* Attach Additional Sheets If Necessary

WJK1509654675



Analytical Report

Report Summary

Client: Logos Operating, LLC

Chain Of Custody Number: 16559

Samples Received: 1/23/2014 3:10:00PM

Job Number: 12035-0040

Work Order: P401072

Project Name/Location: Logos #10

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 1/31/14

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



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

Project Name: Logos #10
Project Number: 12035-0040
Project Manager: Tiffany McIntosh

Reported:
31-Jan-14 11:09

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Backfill Material Composite	P401072-01A	Soil	01/23/14	01/23/14	Glass Jar, 4 oz.
3' BGS Beneath Former Tank Composite	P401072-02A	Soil	01/23/14	01/23/14	Glass Jar, 4 oz.

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Project Name: Logos #10
 Project Number: 12035-0040
 Project Manager: Tiffany McIntosh

Reported:
 31-Jan-14 11:09

Backfill Material Composite

P401072-01 (Solid)

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Cation/Anion Analysis										
Chloride	32.7	9.83	mg/kg	1		1404028	01/24/14	01/24/14	EPA 300.0	

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Project Name: Logos #10
Project Number: 12035-0040
Project Manager: Tiffany McIntosh

Reported:
31-Jan-14 11:09

3' BGS Beneath Former Tank Composite
P401072-02 (Solid)

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
Volatile Organics by EPA 8021									
Benzene	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
Toluene	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
Ethylbenzene	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
p,m-Xylene	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
o-Xylene	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
Total Xylenes	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
Total BTEX	ND	0.05	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8021B	
Surrogate: Bromochlorobenzene		108 %	80-120		1404027	01/24/14	01/30/14	EPA 8021B	
Surrogate: 1,3-Dichlorobenzene		107 %	80-120		1404027	01/24/14	01/30/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg	1	1404027	01/24/14	01/30/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1404026	01/24/14	01/24/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	74.3	9.86	mg/kg	1	1404028	01/24/14	01/24/14	EPA 300.0	

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Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1404027 - Purge and Trap EPA 5030A										
Blank (1404027-BLK1)				Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Benzene	ND	0.05	mg/kg							
Toluene	ND	0.05	"							
Ethylbenzene	ND	0.05	"							
p,m-Xylene	ND	0.05	"							
o-Xylene	ND	0.05	"							
Total Xylenes	ND	0.05	"							
Total BTEX	ND	0.05	"							
Surrogate: 1,3-Dichlorobenzene	52.6		ug/L	50.0		105	80-120			
Surrogate: Bromochlorobenzene	54.5		"	50.0		109	80-120			
Duplicate (1404027-DUP1)				Source: P401066-01 Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Benzene	4.84	0.05	mg/kg		4.19			14.5	30	
Toluene	12.4	0.05	"		12.7			2.09	30	
Ethylbenzene	0.81	0.05	"		0.78			3.59	30	
p,m-Xylene	7.34	0.05	"		7.47			1.79	30	
o-Xylene	1.11	0.05	"		1.11			0.436	30	
Surrogate: 1,3-Dichlorobenzene	202		ug/L	50.0		404	80-120			S-02
Surrogate: Bromochlorobenzene	68.3		"	50.0		137	80-120			S-02
Matrix Spike (1404027-MS1)				Source: P401066-01 Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Benzene	7.68	0.05	mg/kg	2.50	4.19	140	39-150			
Toluene	16.3	0.05	"	2.50	12.7	144	46-148			
Ethylbenzene	3.49	0.05	"	2.50	0.78	108	32-160			
p,m-Xylene	13.0	0.05	"	5.00	7.47	111	46-148			
o-Xylene	3.91	0.05	"	2.50	1.11	112	46-148			
Surrogate: 1,3-Dichlorobenzene	221		ug/L	50.0		443	80-120			S-02
Surrogate: Bromochlorobenzene	72.1		"	50.0		144	80-120			S-02

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Project Name: Logos #10
Project Number: 12035-0040
Project Manager: Tiffany McIntosh

Reported:
31-Jan-14 11:09

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1404026 - DRO Extraction EPA 3550C

Blank (1404026-BLK1)

Prepared: 23-Jan-14 Analyzed: 24-Jan-14

Diesel Range Organics (C10-C28) ND 30.0 mg/kg

Duplicate (1404026-DUP1)

Source: P401066-01

Prepared: 23-Jan-14 Analyzed: 24-Jan-14

Diesel Range Organics (C10-C28) 340 29.9 mg/kg 372 9.05 30

Matrix Spike (1404026-MS1)

Source: P401066-01

Prepared: 23-Jan-14 Analyzed: 24-Jan-14

Diesel Range Organics (C10-C28) 605 31.6 mg/kg 263 372 88.5 75-125

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Project Manager: Tiffany McIntosh

Reported:
31-Jan-14 11:09

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1404027 - Purge and Trap EPA 5030A										
Blank (1404027-BLK1)				Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Gasoline Range Organics (C6-C10)	ND	4.99	mg/kg							
Duplicate (1404027-DUP1)				Source: P401066-01 Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Gasoline Range Organics (C6-C10)	133	4.99	mg/kg		133			0.0246	30	
Matrix Spike (1404027-MS1)				Source: P401066-01 Prepared: 23-Jan-14 Analyzed: 24-Jan-14						
Gasoline Range Organics (C6-C10)	159	5.00	mg/kg	22.5	133	118	75-125			

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Reported:
31-Jan-14 11:09

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1404028 - Anion Extraction EPA 300.0										
Blank (1404028-BLK1)				Prepared & Analyzed: 24-Jan-14						
Chloride	ND	9.94	mg/kg							
LCS (1404028-BS1)				Prepared & Analyzed: 24-Jan-14						
Chloride	498	9.97	mg/kg	499		99.9	90-110			
Matrix Spike (1404028-MS1)				Source: P401067-01 Prepared & Analyzed: 24-Jan-14						
Chloride	545	9.95	mg/kg	498	ND	110	80-120			
Matrix Spike Dup (1404028-MSD1)				Source: P401067-01 Prepared & Analyzed: 24-Jan-14						
Chloride	553	9.96	mg/kg	498	ND	111	80-120	1.48	20	

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Project Manager: Tiffany McIntosh

Reported:
31-Jan-14 11:09

Notes and Definitions

S-02 The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

16559

Client: Logos Operating		Project Name / Location: Logos #10				ANALYSIS / PARAMETERS													
Email results to: T. McIntosh		Sampler Name: T. McIntosh				TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: 505-320-2857		Client No.: 12035-0040																	
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HNO ₃	HCl	Cool												
backfill material composite	1/23/14	1055	P401072-01	1-4oz jar			X								X			Y	Y
3' BGS beneath former tank composite	1	1130	P401072-02	1			1	X	X						X			Y	Y
Relinquished by: (Signature) Tiffany McIntosh					Date	Time	Received by: (Signature) [Signature]										Date	Time	
					1/24/14	1510											1/24/14	1510	
Relinquished by: (Signature)							Received by: (Signature)												
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																			



11.7 10.5