State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits. submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Type of action: Below grade tank registration

BGT1 Closure ⊠ Closure Report □ Modific □ Closure	of a pit or proposed alternative method e of a pit, below-grade tank, or proposed alternative metho cation to an existing permit/or registration e plan only submitted for an existing permitted or non-per	
or proposed alternative metho		ak an altamatina naguast
	e application (Form C-144) per individual pit, below-grade tand relieve the operator of liability should operations result in pollution	
environment. Nor does approval relieve the operator of	f its responsibility to comply with any other applicable governmenta	al authority's rules, regulations, or ordinances.
I.	0.0010-#	
	OGRID #: <u>289408</u>	
	4 87401	
Facility or well name: ROSA UNIT 183A		
	OCD Permit Number:	
	Township 31N Range 5W County:	
	D51 Longitude <u>-107.4050827</u>	NAD83
Surface Owner: Federal State Private	Tribal Trust or Indian Allotment	
☐ Lined ☐ Unlined Liner type: Thickness ☐ String-Reinforced	P&A	
3. Subsection 1 of 19.15.17.	.11 NMAC	
Volume: 120 bbl Type of	of fluid: Produced Water	
Tank Construction material: Fiberglass with	banded 20 mil HDPE liner	
☐ Secondary containment with leak detection ☐	Visible sidewalls, liner, 6-inch lift and automatic overflow sh	ut-off
∀ Visible sidewalls and liner Visible sidewalls	alls only Other	
Liner type: Thicknessmi	HDPE PVC Other	
4.		9
4. Alternative Method: Submittal of an exception request is required. Exception		
	ceptions must be submitted to the Santa Fe Environmental Bure	au office for consideration of approval.
s. Fencing: Subsection D of 19.15.17.11 NMAC (Ap		
	pplies to permanent pits, temporary pits, and below-grade tanks	
and the state of t	rbed wire at top (Required if locáted within 1000 feet of a perm	anent residence, school, hospital,
institution or church) Four foot height, four strands of barbed wire ev	venly spaced between one and four feet	anent residence, school, hospital,
Tes.		
Alternate. Please specify	Oil Conservation Division	Page 1 of 6

ν			
6. Netting: Subsection E of 19.15.17.11 NMAC (A) Screen Netting Other	pplies to permanent pits and permanent open top tanks)		
Screen Netting Other			
☐ Monthly inspections (If netting or screening is	not physically feasible)		
7.			
Signs: Subsection C of 19.15.17.11 NMAC			
12"x 24", 2" lettering, providing Operator's na	ame, site location, and emergency telephone numbers		
☐ Signed in compliance with 19.15.16.8 NMAC			
8. Variances and Exceptions:			
	cy are required. Please refer to 19.15.17 NMAC for guidance.		
Please check a box if one or more of the following	ng is requested, if not leave blank:		
Exception(s): Requests must be submitted	to the appropriate division district for consideration of approval. d to the Santa Fe Environmental Bureau office for consideration of approv	val.	
9. Siting Criteria (regarding permitting): 19.15.1	7.10 NIMA C		
Instructions: The applicant must demonstrate co	ompliance for each siting criteria below in the application. Recommend	lations of accept	able source
material are provided below. Siting criteria does	s not apply to drying pads or above-grade tanks.		
General siting			
	tom of a low chloride temporary pit or below-grade tank.		
- NM Office of the State Engineer - iW	ATERS database search; USGS; Data obtained from nearby wells		☐ Yes ☒ No ☐ NA
Ground water is less than 50 fact helow the hot	tom of a Temporary pit, permanent pit, or Multi-Well Fluid Manage		☐ Yes ☐ No
NM Office of the State Engineer - iWATERS data	abase search; USGS; Data obtained from nearby wells	ment pit.	□ NA
Within incorporated municipal boundaries or with	nin a defined municipal fresh water well field covered under a municipal of	ordinance	□ Vac □ Na
adopted pursuant to NMSA 1978, Section 3-27-3,	as amended. (Does not apply to below grade tanks)	Tamanee	Yes No
- Written confirmation or verification from	the municipality; Written approval obtained from the municipality		
Within the area overlying a subsurface mine. (Doe - Written confirmation or verification or ma	es not apply to below grade tanks) ap from the NM EMNRD-Mining and Mineral Division		☐ Yes ☐ No
Within an unstable area. (Does not apply to below	_		
- Engineering measures incorporated into the	ne design; NM Bureau of Geology & Mineral Resources; USGS; NM Geo	ological	Yes No
Society; Topographic map	halan and danka		☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to - FEMA map	below grade tanks)		
Below Grade Tanks			
Within 100 feet of a continuously flowing waterco	ourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (1	measured	
from the ordinary high-water mark).		neasured	☐ Yes ⊠ No
- Topographic map; Visual inspection (certi	ification) of the proposed site		
	rater well used for public or livestock consumption;.		☐ Yes ⊠ No
- NM Office of the State Engineer - IWATE	ERS database search; Visual inspection (certification) of the proposed site		
Temporary Pit using Low Chloride	Drilling Fluid (maximum chloride content 15,000 mg/liter)		
Within 100 feet of a continuously flowing waterco	ourse, or any other significant watercourse or within 200 feet of any lakeb	ed, sinkhole,	
or playa lake (measured from the ordinary high-wa	ater mark). (Applies to low chloride temporary pits.)		☐ Yes ☐ No
Within 300 feet from a occupied permanent reside application.	ence, school, hospital, institution, or church in existence at the time of init	ial	☐ Yes ☐ No
- Visual inspection (certification) of the pro	posed site; Aerial photo; Satellite image		
	domestic fresh water well used by less than five households for domestic	e or stock	
watering purposes, or 300 feet of any other fresh w	ater well or spring, in existence at the time of the initial application.		☐ Yes ☐ No
TWA Office of the State Engineer - TWATERS data	abase search: Visual inspection (certification) of the proposed site		
NM Office of the State Engineer - iWATERS data	Oil Conservation Division	Page 2 of 6	
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Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification	on map: Topographic map: Visual inspection (cer	tification) of the proposed site	Yes No
Temporary Pit Non-low chloride dr	illing fluid		
Within 300 feet of a continuously flowing waterco or playa lake (measured from the ordinary high-water Topographic map; Visual inspection (certification)	nter mark).	nin 200 feet of any lakebed. sinkhole.	
Within 300 feet from a permanent residence, school	ol. hospital, institution, or church in existence at t	he time of initial application.	Yes No
- Visual inspection (certification) of the pro-			Yes No
Within 500 horizontal feet of a spring or a private, watering purposes. or 1000 feet of any other fresh - NM Office of the State Engineer - iWATE		of the initial application:	Yes No
Within 300 feet of a wetland US Fish and Wildlife Wetland Identification	on map: Topographic map: Visual inspection (cer	tification) of the proposed site	Yes No
Permanent Pit or Multi-Well Fluid	Management Pit		
Within 300 feet of a continuously flowing waterco	urse. or 200 feet of any other significant waterco	urse, or lakebed, sinkhole, or playa	
 ake (measured from the ordinary high-water mark Topographic map; Visual inspection (certi 			☐ Yes ☐ N
Within 1000 feet from a permanent residence, scho - Visual inspection (certification) of the pro	ool, hospital, institution, or church in existence at posed site; Aerial photo; Satellite image	the time of initial application.	Yes N
Within 500 horizontal feet of a spring or a fresh wa	ater well used for domestic or stock watering purp	poses, in existence at the time of	
nitial application. - NM Office of the State Engineer - iWATE	RS database search; Visual inspection (certificati	on) of the proposed site	Yes N
Vithin 500 feet of a wetland. - US Fish and Wildlife Wetland Identification	on map; Topographic map; Visual inspection (cer	tification) of the proposed site	Yes N
Hydrogeologic Data (Temporary and Emerging Siting Criteria Compliance Demonstrations - Design Plan - based upon the appropriate requirement of Department of	- based upon the requirements of Paragraph (4) of ency Pits) - based upon the requirements of Paragraph based upon the appropriate requirements of 19.1 duirements of 19.15.17.11 NMAC on the appropriate requirements of 19.15.17.12 Nature 18, if applicable) - based upon the appropriate	graph (2) of Subsection B of 19.15.17. 5.17.10 NMAC MAC	
and 19.15.17.13 NMAC Previously Approved Design (attach copy of d	esign) API Number:	or Permit Number:	
☐ A List of wells with approved application fo☐ Closure Plan (Please complete Boxes 14 throand 19.15.17.13 NMAC☐ Hydrogeologic Data - based upon the require	e attached to the application. Please indicate, by quirements of 19.15.17.11 NMAC on the appropriate requirements of 19.15.17.12 N	MAC ate requirements of Subsection C of 19	
☐ Previously Approved Design (attach copy of de		or Permit Number:	
, <u>.</u>			
	. *		
Form C-144	Oil Conservation Division	Page 3 of (5

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Permanent Pits Permit Application Checklist: Subsections: Each of the following items must be attacked.		ork in the box, that the o	locuments are
attached. ☐ Hydrogeologic Report - based upon the requirement ☐ Siting Criteria Compliance Demonstrations - based ☐ Climatological Factors Assessment ☐ Certified Engineering Design Plans - based upon the complex of	nts of Paragraph (1) of Subsection B of 19.15.17.9 NM. I upon the appropriate requirements of 19.15.17.10 NM	AC IAC	
☐ Dike Protection and Structural Integrity Design - b☐ Leak Detection Design - based upon the appropriat	ased upon the appropriate requirements of 19.15.17.11 te requirements of 19.15.17.11 NMAC		
Quality Control/Quality Assurance Construction at Operating and Maintenance Plan - based upon the		7.11 NMAC	
Freeboard and Overtopping Prevention Plan - base Nuisance or Hazardous Odors, including H ₂ S. Prev Emergency Response Plan	d upon the appropriate requirements of 19.15.17.11 NA	MAC	
 Oil Field Waste Stream Characterization Monitoring and Inspection Plan 			
☐ Erosion Control Plan ☐ Closure Plan - based upon the appropriate requiren	nents of Subsection C of 19.15.17.9 NMAC and 19.15.	17.13 NMAC	
Proposed Closure: 19.15.17.13 NMAC			
Instructions: Please complete the applicable boxes, Box Type: Drilling Workover Emergency Car			uid Management Pit
☐ Alternative Proposed Closure Method: ☑ Waste Excavation and Re	emoval		C
	Only for temporary pits and closed-loop systems) al On-site Trench Burial		
14. Waste Excavation and Removal Closure Plan Checklis			
 ☑ Disposal Facility Name and Permit Number (for lic ☑ Soil Backfill and Cover Design Specifications - base ☑ Re-vegetation Plan - based upon the appropriate re- 	upon the appropriate requirements of Subsection C of quids, drilling fluids and drill cuttings) sed upon the appropriate requirements of Subsection H		
15. Siting Criteria (regarding on-site closure methods only	a. 10 15 17 10 NMAC		
Instructions: Each siting criteria requires a demonstrat provided below. Requests regarding changes to certain 19.15.17.10 NMAC for guidance.	ion of compliance in the closure plan. Recommendat	ions of acceptable sour tions of equivalency. P	ce material are lease refer to
Ground water is less than 25 feet below the bottom of the - NM Office of the State Engineer - iWATERS dat	buried waste. abase search; USGS; Data obtained from nearby wells		☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of a NM Office of the State Engineer - iWATERS dat	the buried waste abase search; USGS; Data obtained from nearby wells		☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of t - NM Office of the State Engineer - iWATERS dat	he buried waste. abase search; USGS; Data obtained from nearby wells		☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification)		, sinkhole, or playa	Yes No
Within 300 feet from a permanent residence, school, hosp - Visual inspection (certification) of the proposed s	ital, institution, or church in existence at the time of inite; Aerial photo: Satellite image	itial application.	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh wa at the time of initial application. - NM Office of the State Engineer - iWATERS data	ter well or spring used for domestic or stock watering pabase; Visual inspection (certification) of the proposed		☐ Yes ☐ No
Written confirmation or verification from the municipality			☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topogr	aphic map; Visual inspection (certification) of the prop	posed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a def	ined municipal fresh water well field covered under a r	nunicipal ordinance	
Form C-144	Oil Conservation Division	Page 4 of	`6

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Page 5 of	adopted pursuant to NMSA 1978, Section 3-27-3. as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Pag	Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
	 Within an unstable area. Engineering measures incorporated into the design: NM Bureau of Geology & Mineral Resources; USGS: NM Geological Society: Topographic map 	
	Within a 100-year floodplain FEMA map	☐ Yes ☐ No ☐ Yes ☐ No
	On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards canr Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC .15.17.11 NMAC not be achieved)
	telephone.	
I	e-mail address: Telephone:	
	18. Report OCD Approval: Permit Application (including closure plan) \(\begin{array}{c}\text{ Closure Plan}\) (only) \(\begin{array}{c}\text{ OCD Conditions (see attachment)}\)	2022
	18. Report OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	2022
	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Jaclyn Burdine Approval Date: 07/28/2	g the closure report.
	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Jaclyn Burdine Title: Environmental Specialist-A OCD Permit Number: BGT1 OCD Permit Number: BGT1	g the closure report.
IM IM	18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Jaclyn Burdine Title: Environmental Specialist-A OCD Permit Number: BGT1 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:7/1/2022	g the closure report. t complete this
Received by OCD: 7/27/2022 11:31:04 AM	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Jackyn Burdine Title: Environmental Specialist-A OCD Permit Number: BGT1 OCD Permit Number: BGT1 19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:7/1/2022_ 20. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-legation) If different from approved plan, please explain. 21. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in	oop systems only)

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Vanessa Fields

Vanessa Fields From:

Friday, July 8, 2022 10:22 AM Sent:

To: Adeloye, Abiodun A; Barr, Leigh P EMNRD; Venegas, Victoria, EMNRD; Velez, Nelson,

Cc: Robert Bixler; Tyler Smith; Jason Richardson; Etta Trujillo; Marcia Brueggenjohann; David

Subject: RE: [EXTERNAL] RE: LOGOS 72 Hour Notice BGT Removals Friday July 1, 2022 ROSA

UNIT Final Analytical Results

Thank you very much Emmanuel.

Have a good weekend!

Vanessa Fields Regulatory Manager

Email: vfields@logosresourcesllc.com

Office: 505-787-2218 Cell: 505-320-1243



From: Adeloye, Abiodun A <aadeloye@blm.gov>

Sent: Friday, July 8, 2022 8:30 AM

To: Vanessa Fields <vfields@logosresourcesllc.com>; Barr, Leigh P EMNRD <leighp.barr@state.nm.us>; Venegas,

Victoria, EMNRD < Victoria. Venegas@state.nm.us>; Velez, Nelson, EMNRD < Nelson. Velez@state.nm.us>

Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Tyler Smith <tyler.smith@logosresourcesllc.com>; Jason Richardson <jason.richardson@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; David Dryer <ddryer@logosresourcesllc.com>

Subject: RE: [EXTERNAL] RE: LOGOS 72 Hour Notice BGT Removals Friday July 1, 2022 ROSA UNIT Final Analytical Results

Thank you, Vanessa, LOGOS can proceed with back filling of the locations where the tanks were removed from. The BLM approval does not relieved Logos responsibilities to other regulatory agencies with jurisdictions over the areas. Please submit Sundries with NOI to the BLM about BGT removal and Facility Diagrams as per 43 CFR 3173.11(c). Thank you.

Abiodun Adeloye (Emmanuel), NRS

Bureau of Land Management Farmington Field Office 6251 College Blvd., Suite A Farmington, NM 87402 Office Phone: 505-564-7665 Cell Phone: 505-635-0984

From: Vanessa Fields < vfields@logosresourceslc.com>

Sent: Thursday, July 7, 2022 3:49 PM

To: Barr, Leigh P EMNRD < leighp.barr@state.nm.us >; Venegas, Victoria, EMNRD < Victoria. Venegas@state.nm.us >;

Adeloye, Abiodun A <aadeloye@blm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>

Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Tyler Smith <tyler.smith@logosresourcesllc.com>; Jason Richardson <a>iason.richardson@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; David Dryer <ddryer@logosresourcesllc.com>

Subject: [EXTERNAL] RE: LOGOS 72 Hour Notice BGT Removals Friday July 1, 2022 ROSA UNIT Final Analytical Results

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good afternoon,

Please find attached the analytical results for the referenced BGTS that were removed July 1, 2022. All results were below regulatory standards.

LOGOS will submit the Final C-144 Closure Reports via E-Permitting.

Emmanuel an updated Site Security Diagram will be submitted to the BLM.

Thank you,

Vanessa Fields Regulatory Manager

Email: vfields@logosresourcesllc.com

Office: 505-787-2218 Cell: 505-320-1243



From: Vanessa Fields

Sent: Tuesday, June 28, 2022 4:33 PM

To: Barr, Leigh P EMNRD < leighp.barr@state.nm.us>; Venegas, Victoria, EMNRD < Victoria.Venegas@state.nm.us>;

Adeloye, Abiodun A <aadeloye@blm.gov>

Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Tyler Smith <tyler.smith@logosresourcesllc.com>; Jason Richardson <jason.richardson@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Marcia Brueggenjohann

<<u>mbrueggenjohann@logosresourcesllc.com</u>>; David Dryer <<u>ddryer@logosresourcesllc.com</u>>

Subject: RE: LOGOS 72 Hour Notice BGT Removals Friday July 1, 2022 ROSA UNIT

Good afternoon,

After looking at my list I inadvertently missed on BGT that will be removed on Friday July 1, 2022

The Rosa Unit # 015B API# 30-039-29505

Thank you, Vanessa Fields Regulatory Manager

Email: vfields@logosresourcesllc.com

Office: 505-787-2218 Cell: 505-320-1243



From: Vanessa Fields

Sent: Tuesday, June 28, 2022 7:49 AM

To: Barr, Leigh P EMNRD < leighp.barr@state.nm.us>; Venegas, Victoria, EMNRD < Victoria. Venegas@state.nm.us>;

Adeloye, Abiodun A <aadeloye@blm.gov>

Cc: Robert Bixler < resourcesllc.com; Tyler Smith < tyler.smith@logosresourcesllc.com; Jason Richardson tyler.smith@logosresourcesllc.com; Marcia Brueggenjohann tyler.smith@logosresourcesllc.com; David Dryer

Subject: LOGOS 72 Hour Notice BGT Removals Friday July 1, 2022 ROSA UNIT

Good morning,

LOGOS is providing 72-hour notification for the removal of the referenced below grade tanks. Logos will start at Rosa #183 A at 8:00 am and proceed to the following locations

Rosa Unit #183A API# 30-039-26386
Rosa Unit # 010B API# 30-039-26556
Rosa Unit #014A API# 30-039-26280
Rosa Unit #021A API# 30-039-26121
Rosa Unit #010 API # 30-039-07964

Please let me know if you should have any questions and/or concerns.

Thank you,

Vanessa Fields Regulatory Manager

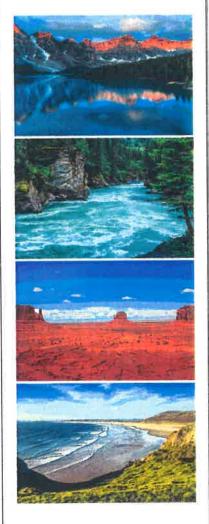
Email: vfields@logosresourcesllc.com

Received by OCD: 7/27/2022 11:31:04 AM

Office: 505-787-2218 Cell: 505-320-1243



Report to: Vanessa Fields



5796 U.S. Hwy 64 Farmington, NM 87401

Phone: (505) 632-1881 Envirotech-inc.com





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Logos Resources

Project Name:

Rosa Unit #10B BGT

Released to Imaging: 7/28/2022 3:56:18 PM

Work Order:

E207010

Job Number:

12035-0114

Received:

7/5/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 7/7/22

Envirotech Inc, certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc. Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 7/7/22

Vanessa Fields 2010 Afton Place Farmington, NM 87401

Project Name: Rosa Unit #10B BGT

Workorder: E207010

Date Received: 7/5/2022 11:34:00AM

Vanessa Fields,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/5/2022 11:34:00AM, under the Project Name: Rosa Unit #10B BGT.

The analytical test results summarized in this report with the Project Name: Rosa Unit #10B BGT apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Released to Imaging: 7/28/2022 3:56:18 PM

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)



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Sample Summary

Logos Resources	Project Name:	Rosa Unit #10B BGT	Reported:
2010 Afton Place	Project Number:	12035-0114	Reported.
Farmington NM, 87401	Project Manager:	Vanessa Fields	07/07/22 13:54

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Rosa Unit #10B BGT Removal	E207010-01A	Soil	07/01/22	07/05/22	Glass Jar, 4 oz.
Rosa Unit #10 BGT Removal	E207010-02A	Soil	07/01/22	07/05/22	Glass Jar, 4 oz.
Rosa Unit #183A BGT Removal	E207010-03A	Soil	07/01/22	07/05/22	Glass Jar, 4 oz.
Rosa Unit #14A BGT Removal	E207010-04A	Soil	07/01/22	07/05/22	Glass Jar, 4 oz.
Rosa Unit #21 BGT Removal	E207010-05A	Soil	07/01/22	07/05/22	Glass Jar, 4 oz.



Released to Imaging: 7/28/2022 3:56:18 PM

Sample Data

Logos ResourcesProject Name:Rosa Unit #10B BGT2010 Afton PlaceProject Number:12035-0114Reported:Farmington NM, 87401Project Manager:Vanessa Fields7/7/2022 1:54:24PM

Rosa Unit #10B BGT Removal

E207010-01

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2228011
Benzene	ND	0.0250	1	07/05/22	07/05/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/05/22	
Toluene	ND	0.0250	3	07/05/22	07/05/22	
o-Xylene	ND	0.0250	3.	07/05/22	07/05/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/05/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/05/22	
Surrogate: 4-Bromochlorobenzene-PID		90.7 %	70-130	07/05/22	07/05/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2228011
Gasoline Range Organics (C6-C10)	ND	20.0)	07/05/22	07/05/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	07/05/22	07/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2228014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	I	07/05/22	07/06/22	
Surrogate: n-Nonane		107 %	50-200	07/05/22	07/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2228015
Chloride	ND	20.0	1	07/05/22	07/05/22	_



Sample Data

Logos Resources	Project Name:	Rosa Unit #10B BGT	
2010 Afton Place	Project Number:	12035-0114	Reported:
Farmington NM, 87401	Project Manager:	Vanessa Fields	7/7/2022 1:54:24PM

Rosa Unit #10 BGT Removal

E207010-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	: RKS		Batch: 2228011
Benzene	ND	0.0250	1	07/05/22	07/06/22	
Ethylbenzene	ND	0.0250	(1)	07/05/22	07/06/22	
Toluene	ND	0.0250	1	07/05/22	07/06/22	
o-Xylene	ND	0.0250	1	07/05/22	07/06/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/06/22	
Total Xylenes	ND	0.0250	. 1	07/05/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		90.6 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2228011
Gasoline Range Organics (C6-C10)	ND	20.0	ì	07/05/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	ı: JL		Batch: 2228014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
Surrogate: n-Nonane		103 %	50-200	07/05/22	07/06/22	
surrogate. n-ivonane						
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2228015



Farmington NM, 87401

Received by OCD: 7/27/2022 11:31:04 AM

Sample Data

 Logos Resources
 Project Name:
 Ro

 2010 Afton Place
 Project Number:
 120

Rosa Unit #10B BGT 12035-0114

Project Manager: Vanessa Fields

Reported: 7/7/2022 1:54:24PM

Rosa Unit #183A BGT Removal

E207010-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2228011
Benzene	ND	0.0250	î	07/05/22	07/06/22	
Ethylbenzene	ND	0.0250	ï	07/05/22	07/06/22	
Toluene	ND	0.0250	ĩ	07/05/22	07/06/22	
o-Xylene	ND	0.0250	ĩ	07/05/22	07/06/22	
p,m-Xylene	ND	0.0500	Ĩ	07/05/22	07/06/22	
Total Xylenes	ND	0.0250	Ť	07/05/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Analyst: RKS		
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/05/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2228014
Diesel Range Organics (C10-C28)	ND	25.0	Ĭ	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
Surrogate: n-Nonane		103 %	50-200	07/05/22	07/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2228015
Chloride	ND	20.0	1	07/05/22	07/05/22	



Sample Data

Logos Resources	Project Name:	Rosa Unit #10B BGT	
2010 Afton Place	Project Number:	12035-0114	Reported:
Farmington NM, 87401	Project Manager:	Vanessa Fields	7/7/2022 1:54:24PM

Rosa Unit #14A BGT Removal

E207010-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2228011
Benzene	ND	0.0250	1	07/05/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/06/22	
Toluene	ND	0.0250	1	07/05/22	07/06/22	
o-Xylene	ND	0.0250	1	07/05/22	07/06/22	
p,m-Xylene	ND	0.0500	1	07/05/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: RKS		Batch: 2228011
Gasoline Range Organics (C6-C10)	ND	20.0	Ĩ	07/05/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	llyst: JL		Batch: 2228014
Diesel Range Organics (C10-C28)	ND	25,0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
Surrogale: n-Nonane		107 %	50-200	07/05/22	07/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2228015
Chloride	ND	20.0	ī	07/05/22	07/05/22	



Sample Data

 Logos Resources
 Project Name:
 Rosa Unit #10B BGT

 2010 Afton Place
 Project Number:
 12035-0114
 Reported:

 Farmington NM, 87401
 Project Manager:
 Vanessa Fields
 7/7/2022
 1:54:24PM

Rosa Unit #21 BGT Removal

E207010-05

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2228011
Benzene	ND	0.0250	Ĩ	07/05/22	07/06/22	
Ethylbenzene	ND	0.0250	1	07/05/22	07/06/22	
Foluene	ND	0.0250	1	07/05/22	07/06/22	
o-Xylene	ND	0.0250	1	07/05/22	07/06/22	
o,m-Xylene	ND	0.0500	1	07/05/22	07/06/22	
Total Xylenes	ND	0.0250	1	07/05/22	07/06/22	
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A:	nalyst: RKS		Batch: 2228011
Gasoline Range Organics (C6-C10)	ND	20.0	ī	07/05/22	07/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	07/05/22	07/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2228014
Diesel Range Organics (C10-C28)	ND	25.0	1	07/05/22	07/06/22	
Oil Range Organics (C28-C36)	ND	50.0	1	07/05/22	07/06/22	
Surrogate: n-Nonane		94.6 %	50-200	07/05/22	07/06/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2228015
		20.0		07/05/22	07/05/22	



QC Summary Data

Logos Resources	Project Name:	Rosa Unit #10B BGT	Reported:
2010 Afton Place	Project Number:	12035-0114	ì
Farmington NM, 87401	Project Manager:	Vanessa Fields	7/7/2022 1:54:24PM

		Volatile Organics by EPA 8021B								
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	' mg/kg	%	%	%	%	Notes	
Blank (2228011-BLK1)							Prepared: 07/05/22 Analyzed: 07/05/22			
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0,0250								
,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.48		8.00		93.6	70-130				
LCS (2228011-BS1)							Prepared: 0	7/05/22 A	nalyzed: 07/05/22	
Benzene	5.15	0.0250	5,00		103	70-130				
Ethylbenzene	4.58	0.0250	5,00		91.6	70-130				
Toluene	4,88	0.0250	5.00		97.6	70-130				
o-Xylene	4.74	0.0250	5.00		94.8	70-130				
p,m-Xylene	9.45	0.0500	10.0		94.5	70-130				
Total Xylenes	14.2	0.0250	15.0		94.6	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130				
LCS Dup (2228011-BSD1)							Prepared: 0	7/05/22 A	nalyzed: 07/05/22	
Benzene	5.10	0.0250	5.00		102	70-130	0.959	20		
Ethylbenzene	4.54	0.0250	5.00		90.8	70-130	0.847	20		
Toluene	4.84	0.0250	5.00		96.8	70-130	0.845	20		
o-Xylene	4.71	0.0250	5.00		94.2	70-130	0.575	20		
p,m-Xylene	9.37	0.0500	10.0		93.7	70-130	0.861	20		
Total Xylenes	14.1	0.0250	15.0		93.9	70-130	0.765	20		
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130				



QC Summary Data

Logos Resources	Project Name:	Rosa Unit #10B BGT	Reported:
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Vanessa Fields	7/7/2022 1:54:24PM

Farmington NM, 87401		Project Manage	i, va	nessa i icius					
	Non	halogenated	Organics	by EPA 80	15D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2228011-BLK1)							Prepared: 0	7/05/22	Analyzed: 07/05/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.36		8.00		92,0	70-130			
LCS (2228011-BS2)							Prepared: 0	7/05/22	Analyzed: 07/05/22
Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			
LCS Dup (2228011-BSD2)							Prepared: 0	7/05/22	Analyzed: 07/05/22
Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130	6.30	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.4	70-130			



QC Summary Data

Logos Resources	Project Name:	Rosa Unit #10B BGT	Reported:
2010 Afton Place	Project Number:	12035-0114	•
Farmington NM, 87401	Project Manager:	Vanessa Fields	7/7/2022 1:54:24PM

	Nonha	logenated Or	ganics by	EPA 80151	D - DRO	ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2228014-BLK1)							Prepared: 0	7/05/22	Analyzed: 07/06/22
Diesel Range Organics (C10-C28)	ND	25,0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.8		50.0		114	50-200			
LCS (2228014-BS1)							Prepared: 0	7/05/22	Analyzed: 07/06/22
Diesel Range Organics (C10-C28)	500	25.0	500		100	38-132			
Surrogate: n-Nonane	59.3		50.0		119	50-200			
Matrix Spike (2228014-MS1)				Source:	E207012-	01	Prepared: 0	7/05/22	Analyzed: 07/06/22
Diesel Range Organics (C10-C28)	518	25.0	500	ND	104	38-132			
Surrogate: n-Nonane	59.6		50.0		119	50-200			
Matrix Spike Dup (2228014-MSD1)				Source:	E207012-	01	Prepared: 0	7/05/22	Analyzed: 07/06/22
Diesel Range Organics (C10-C28)	454	25.0	500	ND	90,8	38-132	13.2	20	
Surrogate: n-Nonane	51.7		50.0		103	50-200			



envirotech Inc.

Released to Imaging: 7/28/2022 3:56:18 PM

QC Summary Data

Logos Resources		Project Name: Rosa Unit #10B BGT Project Number: 12035-0114							Reported:
2010 Afton Place Farmington NM, 87401		Project Manager		anessa Fields					7/7/2022 1:54:24PM
		Anions	by EPA	300.0/9056 <i>A</i>					Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit	Notes
Blank (2228015-BLK1)							Prepared: 0'	7/05/22 A	nalyzed: 07/05/22
Chloride	ND	20.0							
LCS (2228015-BS1)							Prepared: 0	7/05/22 A	nalyzed: 07/05/22
Chloride	250	20.0	250		99.8	90-110			
LCS Dup (2228015-BSD1)							Prepared: 0	7/05/22 A	nalyzed: 07/05/22
Chloride	252	20.0	250		101	90-110	0.998	20	-

QC Summary Report Comment:

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



Received by OCD: 7/27/2022 11:31:04 AM

Definitions and Notes

Logos Resources	Project Name:	Rosa Unit #10B BGT	
2010 Afton Place	Project Number:	12035-0114	Reported:
Farmington NM, 87401	Project Manager:	Vanessa Fields	07/07/22 13:54

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page of	TAT EPA Program 3D Standard CWA SDWA RCRA State State	Remarks			Name of the state	T3 - VOA The report for the analysis of the alnow	irotech
dy	Lab Use Only Lab Word by 8015 NORO by 8015 Analysis and Method Analysis and Method Analysis and Method	2000 X X X 2000 X 20000 X 2000	× × × × × × × × × × × × × × × × × × ×		Time 1.34	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA ples will be returned to client or disposed of at the client expense. The remitted to the amount paid for on the report:	(3 envi
Chain of Custody	Attention: Angle Feld Address: City, State, Zip Phone: FOS - State, 1713 Email: 1 1 1 1 1 1 2 1 1 3 1 1 1 1 1 1 1 1 1 1	NA	A the Star Domon of the Andrews of Breat Domon of the Andrews of t		Received by: (5)gn-eta	Received by: (Signature) Date Contain Contain	
Project Information	Manager: Second Manager: Second Manager: Second Manager: Second Manager: Second Manager Manage	Consensor Consen	50 1122 S 1 Rose U	Additional Instructions: Head sampler), allest to the validity and authenticity of this canning in an aware that the properties in the canning in the canni	Rehnquished for Engranues Considered fraud and may be grounds for tegal action Rehnquished for Espanatures 1387 11:3 (Reinquished by: (Signature) 0site 11:00 1	Received by: (Signature) Date Time Received by: (Signature) Date Time Ti	

Page 15 of 16

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Logos Resources	Date Received:	07/05/22 11	1:34		Work Order ID:	E207010
Phone:	(505) 787-9100	Date Logged In:	07/05/22 11	l·41		Logged In By:	Caitlin Christian
Email:	vfields@logosresourcesllc.com	Due Date:		7:00 (1 day TAT)		208840 111 271	
Chain of	Custody (COC)						
•	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC					
	amples dropped off by client or carrier?	on me 000	Yes Yes	G	/ Pi-14-		
	e COC complete, i.e., signatures, dates/times, reques	tad analysas?	Yes	Carner: V	/anessa Fields		
		ieu anaryses?	Yes				
J. Wele a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in	the field.	168				
	i.e, 15 minute hold time, are not included in this disucssion	on.				Comment	ts/Resolution
Sample T	urn Around Time (TAT)						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	Cooler						
7. Was a s	sample cooler received?		Yes	ì			
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C,	ie 6°±2°C	Yes				
12. 1105 01	Note: Thermal preservation is not required, if samples are	•	168				
	minutes of sampling						
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°	<u>C</u>				
Sample C	Container						
14. Аге а	queous VOC samples present?		No		1		
15. Are V	OC samples collected in VOA Vials?		NA				
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA		l		
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are n	on-VOC samples collected in the correct containers'	?	Yes				
19. Is the	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lat	pel						
20. Were	— field sample labels filled out with the minimum info	rmation:					
S	ample ID?		Yes				
	ate/Time Collected?		Yes				
C	ollectors name?		Yes				
	reservation						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved re	ietals?	No				
<u>Multipha</u>	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and it			Subcontract Lab	o: na		
	struction						
CHEIR II	ION WENDE						
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Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

Released to Imaging: 7/28/2022 3:56:18 PM

Printed: 7/5/2022 11:47:26AM

State of New Mexico Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Volume/Weight Recovered (provide units)

Release Notification

Responsible Party

Responsible Party: LOGOS Operating, LLC				OGRID	OGRID: 289408		
Contact Name: Vanessa Fields				Contact	Contact Telephone (505) 320-1243		
Contact emai	il: vfields@l	ogosresourcesllc.c	om	Incident	# (assigned by OCD) N/A		
Contact mail	ing address:	2010 Afton Pl Far	mington, NM 874	01			
	Location of Release Source						
Latitude 36.8	879051			Longitude	e -107.4050827		
			(NAD 65 III dec	imai aegrees to 5 ae	cimai piaces)		
Site Name: Re	osa Unit #18	33A		Site Typ	e: Well Gas		
Date Release	Discovered	N/A		API# (if a	API# (if applicable) 30-039-26386		
Unit Letter	Section	Township	Range		County		
F 19 31N 05W			Rio .	Rio Arriba			
Surface Owner: State Federal Private (Name:)							
			Nature and	volume of	Release		
		(s) Released (Select al	I that apply and attach	calculations or speci	fic justification for the volumes	provided below)	
Crude Oil Volume Released (bbls)			Volume Recovered (b	bls)			
Produced Water Volume Released (bbls)			Volume Recovered (bbls)				
Is the concentration of dissolved chloride produced water >10,000 mg/l?			nloride in the	☐ Yes ☐ No	_		
Condensate Volume Released (bbls)				Volume Recovered (b	bls)		
☐ Natural Gas Volume Released (Mcf)				Volume Recovered (N	/lcf)		

Cause of Release: On July 1, 2022, LOGOS Operating LLC. removed the fiberglass below grade tank on the Rosa Unit #183A. When the BGT was removed no visible signs of staining or wet soil was observed. LOGOS collected (1) 5-point composite sample from where the BGT was removed. The closure samples were analyzed by Envirotech Labs, and all constituents analyzed were non-detect. Emmanuel Adeloye with the BLM was onsite and witnessed all confirmation sampling.

Volume/Weight Released (provide units)

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Other (describe)

₩orm C-141
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Was this a major release as defined by	If YES, for what reason(s) does the respo	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ⊠ No		
If YES, was immediate no	otice given to the OCD? By whom? To wl	nom? When and by what means (phone, email, etc.)?
	·	
	Initial R	esponse
The responsible p	party must undertake the following actions immediate.	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
		emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
I hereby certify that the info	rmation given above is true and complete to the	best of my knowledge and understand that pursuant to OCD rules and
		fications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have
failed to adequately investigated	ate and remediate contamination that pose a three	at to groundwater, surface water, human health or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	responsibility for compliance with any other federal, state, or local laws
	\	
Printed Name:Vanessa	i_Fields	Title:Regulatory Manager
Signature:	de	Date:7/22/2022
email:vfields@logosre	esourcesllc.com	Telephone:505-320-1243
OCD Only		
Received by:		Date:

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Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 20 days after the release discovery date,				
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)			
Did this release impact groundwater or surface water?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No			
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No			
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No			
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No			
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.				

	 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data 	
	Data table of soil contaminant concentration data	
-	Depth to water determination	-
7	Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release	8
2	Boring or excavation logs	Ŧ
-	Photographs including date and GIS information	5
	☐ Topographic/Aerial maps	5
7	Laboratory data including chain of custody	70
2		Z .
S	If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 9.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.	ng

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I hereby certify that the information given above is true and complete to the					
regulations all operators are required to report and/or file certain release n	otifications 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					
and/or regulations.					
Printed Name; Vanesa Pields	Title:Regulatory Manager				
Signature:	Date: 7/22/2022				
email: vfields@logosresourcesllc.com	Telephone: 505-320-1243				
OCD Only					
					
Received by:	Date:				



Incident ID	
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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	ng 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)	tos 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	
and regulations all operators are required to report and/or file cer may endanger public health or the environment. The acceptance 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 regrestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the Printed Name: Vanessa Fields	Title:Regulatory Manager
Signature:	Date:7/22/2022
email: _ vfields@logosresourcesllc.com Tele	ephone:505-320-1243
OCD Only	
Received by:	Date:
Closure Approved by:	Date: Title:
Printed Name:	Title:

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Logos Operating Below Grade Tank Closure Plan

Lease Name: Rosa Unit # 183A

API# 30-039-26386

Description: Unit F, Section 19, Township, 31N, Range 05W, Rio Arriba County New Mexico

In accordance with NMAC 19.15.17.13, the following information describes the closure plan for below grade tanks (BGT) for Logos Operating, LLC (LOGOS).

General Plan:

- 1. Logos will notify the surface owner by certified mail, return receipt requested, unless surface owner is a public entity (BLM/State/Tribal) then an email notification will be sent, of plans to close the BGT at least 72 hours, but no more than 1 week, prior to any closure operation. The notice will include the well name, API number, and location.
 - 72 Hour notice was provided to the NMOCD and the Farmington BLM Field Office. Notification provided in Closure Report. Emmanuel Adeloye from the BLM was onsite to witness confirmation sampling.
- 2. Logos will notify the appropriate district office verbally and in writing with at least 72 hours of notice but no more than 1 week. The notice will include well name and API number as well as the location containing unit letter, section, township, and range.
 - 72 Hour notice was provided to the NMOCD and the Farmington BLM Field Office. Notification provided in Closure Report. Emmanuel Adeloye from the BLM was onsite to witness confirmation sampling.
- 3. Logos will remove liquids and sludge from the BGT within 60 days of cessation of operations and dispose of those at a division approved facility.
 - All liquids that were in the BGT were removed and sent to an NMOCD Division approved facilities.
- 4. Within 6 months of cessation of operations, Logos will dispose, reuse/recycle, or reclaim in a division approved manner the BGT, and all unused equipment associated with the BGT.

- 5. The soils beneath the BGT will be tested as follows:
 - a. A five point composite sample including any obvious staining or wet soils shall be taken under BGT and will be analyzed for constituents listed in Table I (see page 2) of 19.15.17.13 NMAC.

On July 1, 2022, LOGOS Operating LLC. removed the fiberglass below grade tank on the Rosa Unit #183A. When the BGT was removed no visible signs of staining or wet soil was observed. LOGOS collected (1) 5-point composite sample from where the BGT was removed. The closure samples were analyzed by Envirotech Labs, and all constituents analyzed were non-detect. Emmanuel Adeloye with the BLM was onsite and witnessed all confirmation sampling.

Analytical Results:

Benzene: Non-Detect BTEX: Non-Detect GRO: Non-Detect DRO: Non-Detect ORO: Non-Detect Chloride: Non-Detect

Components	Tests Method	Limit (mg/kg)
		≤50' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.0	600
GRO/DRO	EPA SW-846 80165M	n/a
=====		51'-100' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
ТРН	EPA SW-846 418.1	2500
Chlorides	EPA 300.0	10,000
GRO/DRO	EPA SW-846 80165M	1000
100		>100' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
ТРН	EPA SW-846 418.1	2500
Chlorides	EPA 300.0	20,000
GRO/DRO	EPA SW-846 80165M	1000
n		1000

6. Within six (6) months of cessation of operations, LOGOS will remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that is a division approved.

All referenced equipment associated with the BGT removal has been removed and utilized for reuse.

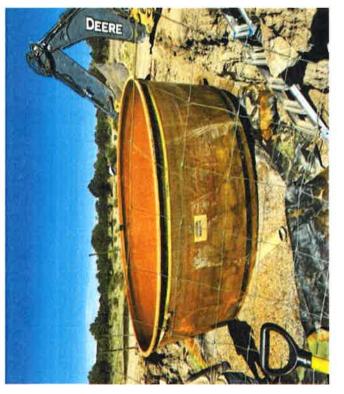
7. Upon closing of the BGT, Logos will reclaim the unused BGT location to a safe and stable condition that blends with the surrounding undisturbed area as provided in Paragraph 2 of subsection H of 19.15.17.13 as well as recontouring the area in accordance with paragraph 5 in subsection H of 19.15.17.13 NMAC. The soil cover will be constructed to prevent ponding of water and erosion of the cover material.

The area of the BGT removal has been returned to grade surface. The area will be reclaimed once the well has been plugged and abandoned.

- The reclamation of the BGT area will contain a uniform vegetative cover that reflects a life-form ratio of plus or minus fifty (50%) of pre-disturbance levels and a total percent plant cover of at least seventy (70%) of pre-disturbance levels, excluding noxious weeds. The re-vegetation and reclamation obligations imposed by other applicable federal or tribal agencies that manage the lands will supersede these provisions and govern the obligations. Logos will notify the division when reclamation and revegetation is complete.
- 9. Logos will submit a closure report on form C-144 within 60 days of closure completion. The closure report will contain the following:
 - Soil Backfilling and Cover Installation (See Report)
 - Re-vegetation application rates and seeding techniques (See Report)
 - Photo documentation of the site reclamation (Included as an attachment)

- Confirmation Sampling Results (Included as an attachment)
- Proof of closure notice (Included as an attachment)







District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 129090

CONDITIONS

Operator:	OGRID:
LOGOS OPERATING, LLC	289408
2010 Afton Place	Action Number:
Farmington, NM 87401	129090
	Action Type:
	[C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By		Condition Date
jburdine	None	7/28/2022