SECTION 25 DRYING PAD/BURIAL THRENCH #2, FACILITY ID [fCS1912236570]

C-144/Closure Approval

[289408]
LOGOS OPERATING, LLC
March 24, 2022

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

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

Form C-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

FACILITY ID [fCS1912236570]

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- ☒ Closure of a pit, below-grade tank, or proposed alternative method
- ☐ Modification to an existing permit/or registration
- ☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.

Operator: LOGOS Operating, LLC OGRID #: 289408

Address: 2010 Afton Place, Farmington NM 87401

Facility or well name: Section 25 Drying Pad / Burial Trench #2

API Number: 30-039-31383, 30-039-31384 OCD Permit Number: P3-16192

U/L or Qtr/Qtr NWNW Section 25 Township 31N Range 6W County: Rio Arriba

Center of Proposed Design: Latitude 36.874975 Longitude -107.419773 NAD83

Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC ☒ Drying Pad/Burial Trench

Temporary: ☐ Drilling ☐ Workover

☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Chloride Drilling Fluid ☐ yes ☐ no

☒ Lined ☐ Unlined Liner type: Thickness 30 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☐ String-Reinforced

Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: 17,786 bbl Dimensions: L 100' x W 125' x D 17'

3.

☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC

Volume: _____bbl Type of fluid: _____

Tank Construction material: _____

☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off

☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other _____

Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☐ Other _____

4.

☐ **Alternative Method:**

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.

Fencing: Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, temporary pits, and below-grade tanks)*

☐ Chain link, six feet in height, two strands of barbed wire at top *(Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)*

☒ Four foot height, four strands of barbed wire evenly spaced between one and four feet

☐ Alternate. Please specify_____

6.

Netting: Subsection E of 19.15.17.11 NMAC *(Applies 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 name, site location, and emergency telephone numbers

☐ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. **Siting criteria does not apply to drying pads or above-grade tanks.**

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells	☐ Yes ☐ No ☒ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☒ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☒ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☒ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☒ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter) Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
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, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

11.

Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC

Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

☐ Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
☐ A List of wells with approved application for permit to drill associated with the pit.
☐ Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13.
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type: ☒ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☐ Below-grade Tank ☐ Multi-well Fluid Management Pit ☐ Alternative

Proposed Closure Method: ☐ Waste Excavation and Removal
☐ Waste Removal (Closed-loop systems only)
☒ On-site Closure Method (Only for temporary pits and closed-loop systems)
☒ In-place Burial ☒ On-site Trench Burial
☐ Alternative Closure Method

14.
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***

- ☐ 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 Subsection C of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - 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

15.
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

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
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	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

16.
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by 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 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 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 cannot be achieved)
- ☐ 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

17.
Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.
OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Victoria Venegas **Approval Date:** 03/24/2022

Title: Environmental Specialist **OCD Permit Number:** FACILITY ID [fCS1912236570]

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. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☒ **Closure Completion Date:** October 5, 2021

20.
Closure Method:

☐ Waste Excavation and Removal ☒ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
☐ 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 indicate, by a check mark in the box, that the documents are attached.***

- ☒ Proof of Closure Notice (surface owner and division)
- ☐ Proof of Deed Notice (required for on-site closure for private land only)
- ☒ Plot Plan (for on-site closures and temporary pits)
- ☒ Confirmation Sampling Analytical Results (if applicable)
- ☒ Waste Material Sampling Analytical Results (required for on-site closure)
- ☒ Disposal Facility Name and Permit Number
- ☒ Soil Backfilling and Cover Installation
- ☒ Re-vegetation Application Rates and Seeding Technique
- ☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.874975 Longitude -107.419773 NAD: ☐ 1927 ☒ 1983

22.

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Marie E. Florez Title: Regulatory Specialist

Signature: Marie E Florez Date: 10/19/2021

e-mail address: mflorez@logosresourcesllc.com Telephone: 505-419-8420

Closure Report
Burial Trench Drying Pad

In accordance with Rule 19.15.17.13 NMAC the following plan describes the general in-place closure requirements of burial trenches/drying pad on LOGOS Operating, LLC location in the San Juan Basin of New Mexico. This is LOGOS's standard procedure for all burial trenches/drying pads to be utilized for the drilling, completion and/or workovers of oil and gas wells operated by LOGOS. For those burial trenches/drying pads which do not conform to this standard closure plan, a separate closure plan will be developed and utilized.

All closure activities will include proper documentation and will be submitted to NMOCD within 60 days of the pit closure. Closure report will be filed on C-144 and will include the following:

- Details on Capping and Covering, where applicable (See report)
- Plot plan (Pit Diagram) (included as an attachment)
- Inspection Log (included as an attachment)
- Notification Documentation (included as an attachment)
- Sampling Results (included as an attachment)
- Copy of Deed Notice will be filed with the County Clerk **(Not required on Federal, State or Federal Tribal Land as stated by FAQ dated October 30, 2008).**

General Requirements

1. Prior to closure LOGOS shall remove all free liquids reasonably achievable from the prior drying pad and dispose of such liquids at a division approved facility.
    - **All liquids recovered through a shell shaker, blended then placed on drying pad to ensure all liquids were removed prior to placing in the Trench burial.**
2. The preferred method of closure for all temporary pits will be on-site closure by in-place burial, provided all the criteria in 19.15.17.13.D are met.
    - **On-site burial plan for this location was approved by the Division District Office on May 6, 2019, OCD permit number C-144 16192, P3-16192.**
3. The surface owner shall be notified by (certified mail, return receipt or via email) requested that LOGOS's plans closure of operations.
    - **The closure process notification to the surface landowner (BLM) was sent via email on September 17, 2021. (See attached)**
4. Within 6 months of the rig-off status occurring LOGOS will ensure that the temporary pit and/or burial trench is closed.
    - **The drilling rig moved off on July 31, 2021, and the Burial Trench was closed on October 5, 2021.**
        - **Rosa Unit 654H API: 30-039-31384; Rig released 7/15/2021.**
        - **Rosa Unit 656H API: 30-039-31383; Rig released 7/31/2021.**
5. Notice of Closure will give to the division district office verbally and/ or in writing at least 72 hours, but not more than one week, prior to closure operations. The notification of Closure will include the following: Operator's Name, Well Name and API number and Location (USTR).
    - **The Division District Office of NMOCD was notified by email. (See attached)**
6. Pit contents shall be achieved by mixing with non-waste containing, earthen material. The solidification process will be accomplished use a combination of natural drying and mechanical mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed safe and stable. The mixing ratio shall not exceed 3 parts non-waste to 1 part pit contents.
    - **LOGOS mixed the pit/ burial contents with non-waste containing earthen material to achieve appropriate solidification and a consistency that was deemed safe and stable. The solidification process was accomplished using a combination of natural drying, and mechanically mixing using a dozer and track hoe. The mixing ratio consisted of approximately 3 parts native soil to 1 part pit contents.**

7. An eight-point composite sample will be taken of the pit using sampling tools and all samples tested per parameters listed in Table II of 19.15.17.13 NMAC. IN the even that the criteria are not met (See Table I), all contents will be handled per 19.15.17.13 Subsection C (i.e dig and haul to a division-approved facility.) Approval to haul will be requested of the division district office prior to initiation.
    - **An eight-point composite and paint filter were taken of the burial trench area using sampling tools and all samples tested per parameters listed 19.15.17.13 NMAC Table II on September 21, 2021.**

Table II Closure Criteria for Burial Trenches and Waste Left in Place in Temporary Pits				
Depth below bottom of pit to GW < than 10,000 mg/l TDS	**Constituent**	**Method ***	**Limit****	**9/21/2021 SB- 1 Results Burial Trench 8pt**
➢ **100 Feet**	Chloride	EPA Method 300.0	80,000 mg/kg	**780 mg/kg**
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg	**919.3 mg/kg**
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	**822 mg/kg**
	BTEX	EPA SW-846 Method 8021 B or 8260B	50 mg/kg	**0.4775 mg/kg**
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg	**0.0307 mg/kg**
	Paint Filter Test			**0 mL**

Table II Closure Criteria for Burial Trenches and Waste Left in Place in Temporary Pits				
Depth below bottom of pit to GW < than 10,000 mg/l TDS	**Constituent**	**Method ***	**Limit****	**9/21/2021 SB- 2 Results Burial Trench 8pt**
➢ **100 Feet**	Chloride	EPA Method 300.0	80,000 mg/kg	**863 mg/kg**
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg	**1062 mg/kg**
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	**956 mg/kg**
	BTEX	EPA SW-846 Method 8021 B or 8260B	50 mg/kg	**0.5276 mg/kg**
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg	**ND mg/kg**
	Paint Filter Test			**0 mL**

Table II Closure Criteria for Burial Trenches and Waste Left in Place in Temporary Pits				
Depth below bottom of pit to GW < than 10,000 mg/l TDS	**Constituent**	**Method ***	**Limit****	**9/21/2021 SB-3 Results Drying Pad 5pt**
➢ **100 Feet**	Chloride	EPA Method 300.0	80,000 mg/kg	**231 mg/kg**
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg	**371.1 mg/kg**
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg	**309 mg/kg**
	BTEX	EPA SW-846 Method 8021 B or 8260B	50 mg/kg	**0.0435 mg/kg**
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg	**ND mg/kg**
	Paint Filter Test			**0 mL**

8. Upon achieving all applicable waste stabilization, fold the outer edges of the trench liner to overlap the waste material in the trench prior to the installation of the geomembrane cover, install a geomembrane cover over the waste material in the lined trench.
    - **Following stabilization, the outer edges of the trench liner were folded over the solids, then a geomembrane cover was placed over the sloping surface of the stabilized waste material on October 5, 2021.**

9. Upon completion of solidification and testing, the pit area will be backfilled with soil cover for burial in-place or trench burial consists of four feet non-waste containing, uncontaminated earthen material. The soil cover shall include either the background thickness of topsoil or one-foot suitable material to establish vegetation at the site, whichever is greater.
    - **Upon completion of solidification and testing, the burial trench area was backfilled with non-waste earthen material compacted to native conditions. A minimum of four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.**
10. Re-contouring of area will match fit, shape, line, form, and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and minimize erosion. Natural drainages will be unimpeded and stormwater Best Management Practices (BMPs) will be used to aid in soil stabilization and protection surface water quality.
    - **LOGOS covered the trench and the drying pad to match fit, shape, line form and texture of the surrounding area. Re-shaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and BMPs were used to aid in the soil stabilization. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects. Upon final reclamation LOGOS will contour the location to approximately match previous topography per the conditions of approvals (COA)s within the APD and the direction offered by the BLM inspector.**

11. Notification will be sent to the Division District office when the reclaimed area is seeded.
    - **LOGOS will comply with the surface owner (BLM) per the re-seeding requirements stated in the (COA)s of the APD for referenced wells. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects.**
12. LOGOS shall seed the disturbed areas the first growing season after the pit and/or burial trench is closed. Seeding will be accomplished vis drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least on grass, but not including noxious weeds, and maintain the cover through two successive growing seasons. Repeat seeding or planting will be continue until successful vegetative growth occurs.
    - **LOGOS will comply with the surface owner (BLM) per the re-seeding requirements stated in the (COA)s of the APD for referenced wells. Will complete final closing of the area at final reclamation quarry. This area is in use for future drilling projects.**
13. LOGOS shall place a steel marker at the center of the onsite burial. The steel marker shall be not less than four inches in diameter and shall be cemented in a three-foot deep hole at a minimum. The marker will be flush with the ground to allow access and safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial. The plate will be easily removable, and a four-foot-tall riser will be threaded into the top of the collar marker and welded around the base with the LOGOS information. The information will include Operator Name, Well Name and number, Unit, Section, Township Range, and an indicator that the marker is an onsite burial location.
    - **The burial trench was located with a steel marker per the above listed specifications. (See attached).**

Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-105
Revised April 3, 2017

1. WELL API NO. 30-039-31383
2. Type of Lease ☐ STATE ☐ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No. x

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☐ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☒ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: Rosa Unit
6. Well Number: 656H

7. Type of Completion:
☒ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☐ OTHER _____

8. Name of Operator: LOGOS Operating, LLC
9. OGRID: 289408
10. Address of Operator: 2010 Afton Place, Farmington NM 87401
11. Pool name or Wildcat:

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:										
BH:										

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
		7/31/2021		

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run

22. Producing Interval(s), of this completion - Top, Bottom, Name

23. **CASING RECORD** (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
30. Test Witnessed By
31. List Attachments
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.
33. Rig Release Date:
34. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude 36.874975 Longitude -107.419773 NAD83

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Marie E Florez Printed Name Marie E. Florez Title Regulatory Specialist Date 10/19/2021

E-mail Address mflorez@logosresourcesllc.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First Street, Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Drive, Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Drive
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011

Submit one copy to
Appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name

[4] Property Code	[5] Property Name	[6] Well Number
	SECTION 25 DRYING PAD / BURIAL TRENCH #2	

[7] OGRID No.	[8] Operator Name	[9] Elevation
289408	LOGOS OPERATING, LLC	6379'

[10] Surface Location

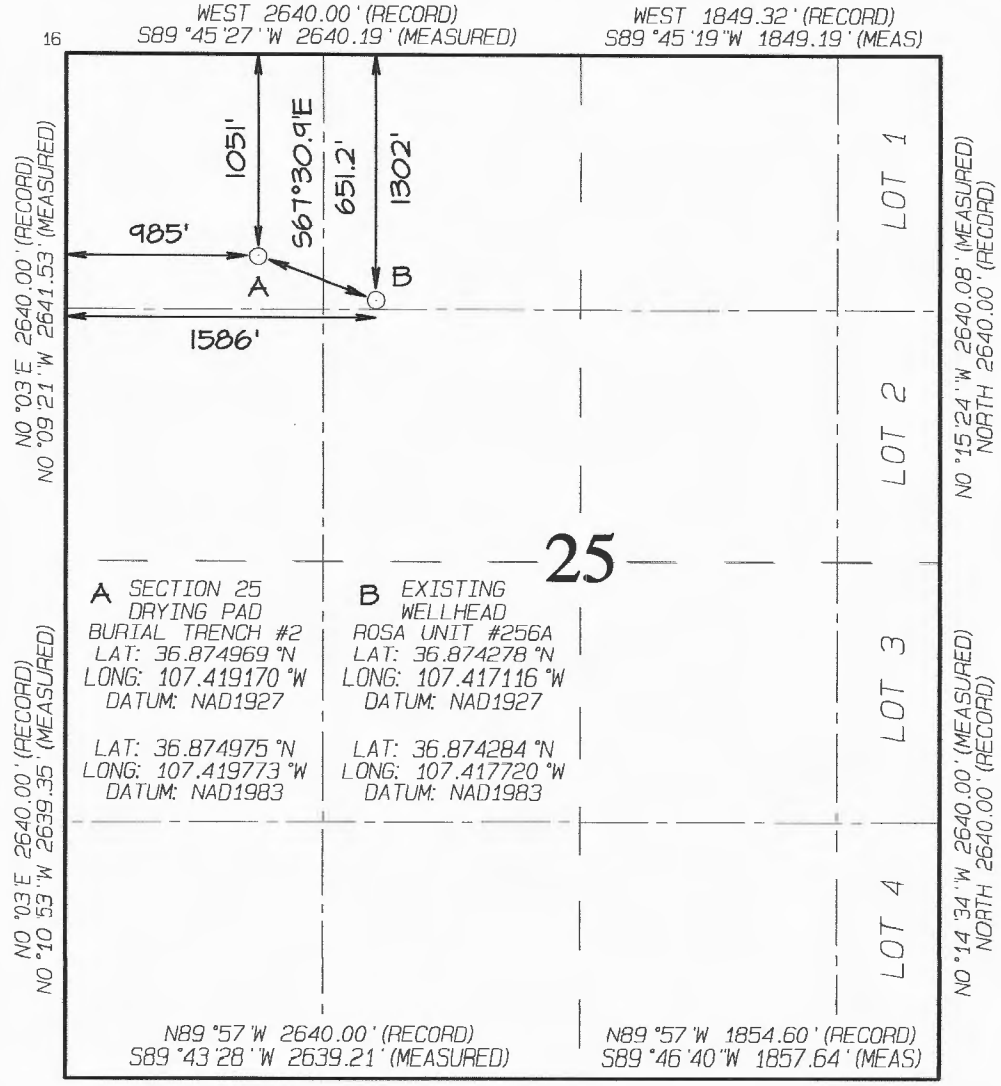
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	25	31N	6W		1051	NORTH	985	WEST	RIO ARRIBA

[11] Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[12] Dedicated Acres	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



[17] OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom-hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Marie E Florez — Signature
10/19/2021 — Date

Marie E. Florez
Printed Name

mflorez@logosresourcesllc.com
E-mail Address

[18] SURVEYOR CERTIFICATION

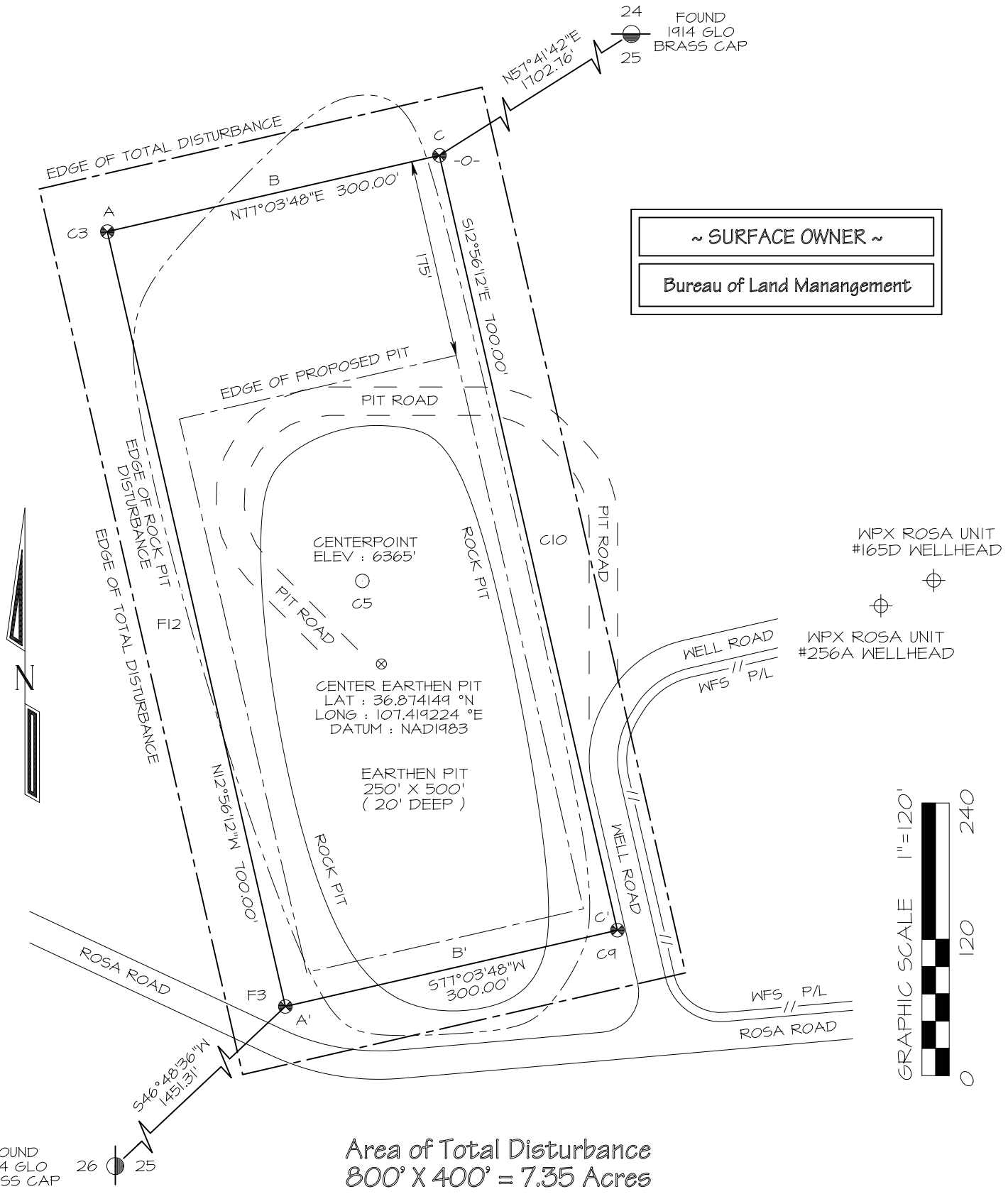
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date Revised: MAY 1, 2019
Date of Survey: JUNE 22, 2015

Signature and Seal of Professional Surveyor

JASON C. EDWARDS
Certificate Number 15269

WPX ENERGY PRODUCTION, LLC
SECTION 25 RECYCLING CONTAINMENT
LOCATED IN NW/4 OF SECTION 25, T31N, R6W
RIO ARRIBA COUNTY, NEW MEXICO ELEVATION: 6380'
LAT: 36.874350°N LONG: 107.419280°W DATUM: NAD1983



Area of Total Disturbance
800' X 400' = 7.35 Acres

Steel T-Posts have been set to define the Edge of Disturbance limits which are 50' offset from the edge of the Multi-well Fluids Management System.

From: Marie Florez
To: Adeloye, Abiodun A; Smith, Cory, EMNRD; Demarco, Jaime L
Cc: Robert Bixler; Robert Jordan; Marcia Brueggenjohann; Etta Trujillo; Joyner, Ryan N
Subject: RE: [EXTERNAL] Section 25 Dry Pad / Burial Trench 2 - Notification for Final Confirmation sample 9/17/2021
Date: Monday, September 20, 2021 8:00:00 AM

Thank you Emmanuel!

Marie E. Florez
mflorez@logosresourcesllc.com
LOGOS RESOURCES II, LLC

From: Adeloye, Abiodun A <aadeloye@blm.gov>
Sent: Monday, September 20, 2021 7:59 AM
To: Marie Florez <mflorez@logosresourcesllc.com>; Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Demarco, Jaime L <jdemarco@blm.gov>
Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Robert Jordan <rjordan@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Joyner, Ryan N <rjoyner@blm.gov>
Subject: Re: [EXTERNAL] Section 25 Dry Pad / Burial Trench 2 - Notification for Final Confirmation sample 9/17/2021

Hi, Marie, Logos can go ahead with sampling as required if the BLM representative is not present.
Please let me know if you have any questions.
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: Marie Florez <mflorez@logosresourcesllc.com>
Sent: Saturday, September 18, 2021 7:30 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Adeloye, Abiodun A <aadeloye@blm.gov>; Demarco, Jaime L <jdemarco@blm.gov>
Cc: Robert Bixler <rbixler@logosresourcesllc.com>; Robert Jordan <rjordan@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>; Joyner, Ryan N <rjoyner@blm.gov>

Subject: [EXTERNAL] Section 25 Dry Pad / Burial Trench 2 - Notification for Final Confirmation sample 9/17/2021

LOGOS is notifying OCD and BLM (two) business day prior to conducting final sampling on the following well.

Date: September 21, 2021 (Tuesday)
Time: 09:00am

Contact: Robert Jordan 505-320-1395

C144 # PCS1912236653

Surface: Federal (BLM)

C-141 - 16173
Well Name: Section 25 Drying Pad/Burial Trench #2
Section: 25
Township:31N
Range: 6W
Unit Letter: D
Lat: 36.874975
Long: -107.419773 NAD 83

Thanks,

Marie E. Florez
Regulatory Specialist
Cell: 505-419-8420
Office: 505-787-2218
mflorez@logosresourcesllc.com

From:	Marie Florez
To:	Smith, Cory, EMNRD; Adeloye, Abiodun A; "Demarco, Jaime L"
Cc:	Robert Bixler; Robert Jordan; Marcia Brueggenjohann; Etta Trujillo; Joyner, Ryan N
Subject:	Section 25 Dry Pad / Burial Trench 2 - Notification for Final Confirmation sample 9/17/2021
Date:	Saturday, September 18, 2021 7:29:00 AM
Attachments:	image001.jpg Section 25 Drying Pad Burial Trench 2_Submitted Permit App_Apvd.pdf

LOGOS is notifying OCD and BLM (two) business day prior to conducting final sampling on the following well.

Date: September 21, 2021 (Tuesday)
Time: 09:00am

Contact: Robert Jordan 505-320-1395

C144 # PCS1912236653

Surface: Federal (BLM)

C-141 - 16173
Well Name: Section 25 Drying Pad/Burial Trench #2
Section: 25
Township:31N
Range: 6W
Unit Letter: D
Lat: 36.874975
Long: -107.419773 NAD 83

Thanks,

Marie E. Florez
Regulatory Specialist
Cell: 505-419-8420
Office: 505-787-2218
mflorez@logosresourcesllc.com

LOCATION: Section 25 Burial Trench	Burial Trench Inspection								
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
Date (weekly)	5/19/2021 week 1	5/26/2021 week 2	6/2/2021 week 3	6/9/2021 week 4	6/16/2021 week 5	6/23/2021 week 6	6/30/2021 week 7	7/7/2021 week 8	7/14/2021 week 9
Pit Status	Liner set 5/19/2021. Aztec rigged up.	Drilling began 5/24/2021	Drilling Ahead	Drilling Ahead	Drilling Ahead	Drilling Ahead	Drilling Ahead	Drilling Ahead	Drilling Ahead
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Well Pad 29 Materials	drilling hadn't begun	no	yes	yes	yes	yes	yes	yes	yes
Free Oil or Sheen Present	drilling hadn't begun	no	no	no	no	no	no	no	no
Fluid in Trench	drilling hadn't begun	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Liner set 5/19/2021 By Adobe contractor	Began drilling 5/24/2021.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.

LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
Date (weekly)	7/21/2021 week 10	7/28/2021 week 11	8/4/2021 week 12	8/11/2021 week 13	8/18/2021 week 14	8/25/2021 week 15	9/1/2021 week 16	9/8/2021 week 17	9/15/2021 week 18
Pit Status	Drilling Ahead	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Drilling completed 7/31/2021
Liner in good Condition	yes	yes	yes	yes	yes	yes	yes	yes	yes
Properly Fenced	yes	yes	yes	yes	yes	yes	yes	yes	yes
Slopes Intact	yes	yes	yes	yes	yes	yes	yes	yes	yes
Well Pad 29 Materials	yes	yes	no	no	no	no	no	no	no
Free Oil or Sheen Present	no	no	no	no	no	no	no	no	no
Fluid in Trench	no	no	no	no	no	no	no	no	no
Trash at Location	no	no	no	no	no	no	no	no	no
Comments	Placed on Drying pad then into Burial	Drilling completed 7/31/2021	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Placed on Drying pad then into Burial. Weather Dry and Hot.	Monitored Trench until closure. Weather dry and Hot.	Monitored Trench until closure. Weather dry and Hot.	Monitored Trench until closure. Weather dry and Hot.	Monitored Trench until closure. Minimal rain but weather Hot

LOCATION:	Burial Trench Inspection								
Section 25 Burial Trench									
Inspector	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington	Randy Edgeington
	9/22/2021	9/29/2021	10/6/2021						
Date (weekly)	week 10	week 11	week 12	week 13	week 14	week 15	week 16	week 17	week 18
Pit Status	Drilling completed 7/31/2021	Drilling completed 7/31/2021	Closed 10/5/2021						
Liner in good Condition	yes	yes	yes						
Properly Fenced	yes	yes	yes						
Slopes Intact	yes	yes	yes						
Well Pad 29 Materials	no	no	no						
Free Oil or Sheen Present	no	no	no						
Fluid in Trench	no	no	no						
Trash at Location	no	no	no						
Comments	Monitored Trench until closure. Minimal rain but weather Hot Final Comfirmation sample 9/21/2021.	Closed 10/5/2021	Closed 10/5/2021						


Section 25 Burial Trench
Elev: 6379
GW > 178'.
Section 25 Burial Trench
Section 25 Burial Trench 3
31N 6W
Rosa Unit 256A
Rosa Unit 256A
GW @ 200'.
Section 25 Burial Trench 1

Ground Bed Drilling Log

Company: **Williams Production Co.** Well: **Rosa Unit 256A** Date: 4/28/05
Location: Sec. 25 T31N R6W Duel Well: State: NM
Ground Bed Depth: 500' Diameter: 6 3/4"
Indicate Water Zone Depth: 200' Wet Sand
Isolation Plugs Set: NO If So Where:
Coke: Type: Loresco SWS Total Weight: 2200 lbs.
Anodes: Type: Silicon Iron Type D Weight: 45 lbs.
Power Source: Battery Volts: 13.9 Amps: 15.3 Resistance: .909

Depth Ft	Drilling Log	Anodes Log			Remarks
		Logged	Coked	Depth	
0'-20'	Casing				8" PVC SCH 40
20' - 100'	Sand Stone				
100' – 200'	Sandy Shale				
200' – 260'	Sand Stone				
260' – 300'	Sandy Shale				
300' – 380'	Shale				
380'	"	2.2	4.5	370'	#12
390'	"	1.8	3.6	380'	#11
400'	"	1.6	3.3	390'	#10
410'	"	2.2	4.5	400'	#9
420'	"	2.3	4.6	410'	#8
430'	"	2.0	4.1	420'	#7
440'	"	1.7	3.3	430'	#6
450'	"	1.6	3.3	440'	#5
460'	"	1.6	3.3	450'	#4
470'	"	1.7	3.4	460'	#3
480'	"	1.9	3.9	470'	#2
490'	"	2.3	4.1	480'	#1
500'	"	2.0			

RECEIVED

DEC - 7 2011

Farmington Field Office
Bureau of Land Management

In Lieu of Form 3160-4 (July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND LEASE NO: SF-078766

6. IF INDIAN, ALLOTTEE OR

7 UNIT AGREEMENT NAME: Rosa Unit

1a. TYPE OF WELL: OIL WELL X GAS WELL DRY OTHER

b. TYPE OF COMPLETION: NEW WELL WORKOVER DEEPEN PLUG BACK DIFF.RESVR. X OTHER – horizontal reentry AMENDED (correct 5-1/2" liner)

2. NAME OF OPERATOR: WILLIAMS PRODUCTION COMPANY

8 FARM OR LEASE NAME, WELL NO.: Rosa Unit 256A

3. ADDRESS AND TELEPHONE NO.: P.O. Box 640, Aztec, NM 87410 (505) 333-1806

9. API WELL NO.: 30-039-27652

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
SHL: 1302' FNL & 1586' FWL
BHL: 52' FNL & 58' FEL

10. FIELD AND POOL, OR WILDCAT: BASIN FRUITLAND COAL

11. SEC., T.,R.,M., OR BLOCK AND SURVEY OR AREA: SEC 25, 31N 6W

WPX

JAN 03 2012

RECEIVED

14. PERMIT NO	DATE ISSUED	12 COUNTY OR	13. STATE
		Rio Arriba	New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPLETED (READY TO PRODUCE)	18. ELEVATIONS (DK, RKB, RT,GR,ETC.)*	19. ELEVATION CASINGHEAD
5/17/04	existing	11/27/11	6401' GR	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTCOMP., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6095' MD / 3229' TVD	6095' MD 3229' TVD			X	

24 PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*: BASIN FRUITLAND COAL: 3146'-6090' MD

25. WAS DIRECTIONAL SURVEY MADE: YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED: No

28 CASING REPORT (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9-5/8", K-55	36#	322'	12-1/4"	155 SX - SURFACE	
7", K-55	20#	3078'	8-3/4"	425 SX – SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5-1/2"	2967'	3186'	0SX	
4 ½"	2678'	6095'	0 SX	

30 TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8", 4.7#, J-55	3162'	

31. PERFORATION RECORD (Interval, size, and number)

Basin Fruitland Coal: 4-1/2"casing (Pre-Perforated Liner, 28, 0.50" dia holes p/ft)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3146'-6090'	Well was not stimulated

RECEIVED
JAN 2012
OIL CONS. DIV. DIST. 3

33 PRODUCTION

DATE OF FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump)	WELL STATUS (PRODUCING OR SHUT-IN)
8/25/04		

DATE OF TEST	TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS – MCF	WATER - BBL.	GAS-OIL RATIO

FLOW TBG PRESS	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL – BBL.	GAS – MCF	WATER - BBL.	OIL GRAVITY-API (CORR.)

ACCEPTED FOR RECORD
DEC 1 2 2011
FARMINGTON FIELD OFFICE
BY

34 DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): non flaring

TEST WITNESSED BY

35. LIST OF ATTACHMENTS: SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM, Directional EOW report

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Larry Higgins TITLE OPERATOR DATE 12/7/11

NMOCD

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38.GEOLOGIC MARKERS

FORMATION	TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.		NAME	
KIRTLAND	2614'							
FRUITLAND	2989'							
PICTURED CLIFFS	3234'							

Report to:

Robert Jordan

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: 25 Burial Trench

Work Order: E109076

Job Number: 12035-0114

Received: 9/21/2021

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/21

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: 9/23/21

Robert Jordan
2010 Afton Place
Farmington, NM 87401

Project Name: 25 Burial Trench
Workorder: E109076
Date Received: 9/21/2021 11:21:00AM

Robert Jordan,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2021 11:21:00AM, under the Project Name: 25 Burial Trench.

The analytical test results summarized in this report with the Project Name: 25 Burial Trench 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,

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Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Sample Summary

Logos Resources	Project Name:	25 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Robert Jordan	09/23/21 10:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB-1 8pt composite sample	E109076-01A	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.
	E109076-01B	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.
SB-3 5pt composite sample	E109076-02A	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.
	E109076-02B	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.
SB-2 8pt composite sample	E109076-03A	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.
	E109076-03B	Soil	09/21/21	09/21/21	Glass Jar, 4 oz.

Sample Data

Logos Resources	Project Name:	25 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

SB-1 8pt composite sample

E109076-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9095B	mL	mL	Analyst: RAS			Batch: 2139020
Paint Filter Test	0		1	09/22/21	09/22/21	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Benzene	**0.0307**	0.0250	1	09/21/21	09/21/21	
Ethylbenzene	**0.0581**	0.0250	1	09/21/21	09/21/21	
Toluene	**0.116**	0.0250	1	09/21/21	09/21/21	
o-Xylene	**0.0607**	0.0250	1	09/21/21	09/21/21	
p,m-Xylene	**0.212**	0.0500	1	09/21/21	09/21/21	
Total Xylenes	**0.273**	0.0250	1	09/21/21	09/21/21	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/21	09/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*86.5 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2139017
Diesel Range Organics (C10-C28)	**822**	25.0	1	09/21/21	09/22/21	
Oil Range Organics (C28-C36)	**97.3**	50.0	1	09/21/21	09/22/21	
Surrogate: n-Nonane		*99.1 %*	*50-200*	*09/21/21*	*09/22/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2139018
Chloride	**780**	40.0	2	09/21/21	09/22/21	

Sample Data

Logos Resources	Project Name:	25 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

SB-3 5pt composite sample

E109076-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9095B	mL	mL	Analyst: RAS			Batch: 2139020
Paint Filter Test	0		1	09/22/21	09/22/21	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Benzene	ND	0.0250	1	09/21/21	09/21/21	
Ethylbenzene	ND	0.0250	1	09/21/21	09/21/21	
Toluene	**0.0435**	0.0250	1	09/21/21	09/21/21	
o-Xylene	ND	0.0250	1	09/21/21	09/21/21	
p,m-Xylene	ND	0.0500	1	09/21/21	09/21/21	
Total Xylenes	ND	0.0250	1	09/21/21	09/21/21	
Surrogate: 4-Bromochlorobenzene-PID		*106 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/21	09/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*89.4 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2139017
Diesel Range Organics (C10-C28)	**309**	25.0	1	09/21/21	09/22/21	
Oil Range Organics (C28-C36)	**62.1**	50.0	1	09/21/21	09/22/21	
Surrogate: n-Nonane		*115 %*	*50-200*	*09/21/21*	*09/22/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2139018
Chloride	**231**	20.0	1	09/21/21	09/22/21	

Sample Data

Logos Resources	Project Name:	25 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

SB-2 8pt composite sample

E109076-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Wet Chemistry by EPA 9095B	mL	mL	Analyst: RAS			Batch: 2139020
Paint Filter Test	0		1	09/22/21	09/22/21	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Benzene	ND	0.0250	1	09/21/21	09/21/21	
Ethylbenzene	**0.0343**	0.0250	1	09/21/21	09/21/21	
Toluene	**0.0893**	0.0250	1	09/21/21	09/21/21	
o-Xylene	**0.0380**	0.0250	1	09/21/21	09/21/21	
p,m-Xylene	**0.164**	0.0500	1	09/21/21	09/21/21	
Total Xylenes	**0.202**	0.0250	1	09/21/21	09/21/21	
Surrogate: 4-Bromochlorobenzene-PID		*107 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2139009
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/21	09/21/21	
Surrogate: 1-Chloro-4-fluorobenzene-FID		*88.0 %*	*70-130*	*09/21/21*	*09/21/21*	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2139017
Diesel Range Organics (C10-C28)	**956**	25.0	1	09/21/21	09/22/21	
Oil Range Organics (C28-C36)	**106**	50.0	1	09/21/21	09/22/21	
Surrogate: n-Nonane		*116 %*	*50-200*	*09/21/21*	*09/22/21*	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2139018
Chloride	**863**	40.0	2	09/21/21	09/22/21	

QC Summary Data

Logos Resources	Project Name:	25 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2139009-BLK1)									Prepared: 09/20/21 Analyzed: 09/20/21
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	*8.06*		*8.00*		*101*	*70-130*			
LCS (2139009-BS1)									Prepared: 09/20/21 Analyzed: 09/20/21
Benzene	4.55	0.0250	5.00		91.0	70-130			
Ethylbenzene	4.50	0.0250	5.00		90.0	70-130			
Toluene	4.62	0.0250	5.00		92.4	70-130			
o-Xylene	4.56	0.0250	5.00		91.2	70-130			
p,m-Xylene	9.15	0.0500	10.0		91.5	70-130			
Total Xylenes	13.7	0.0250	15.0		91.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	*8.19*		*8.00*		*102*	*70-130*			
Matrix Spike (2139009-MS1)				**Source: E109068-01**					Prepared: 09/20/21 Analyzed: 09/20/21
Benzene	4.62	0.0250	5.00	ND	92.4	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	61-133			
Toluene	4.68	0.0250	5.00	ND	93.5	61-130			
o-Xylene	4.62	0.0250	5.00	ND	92.4	63-131			
p,m-Xylene	9.19	0.0500	10.0	ND	91.9	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.1	63-131			
Surrogate: 4-Bromochlorobenzene-PID	*7.99*		*8.00*		*99.9*	*70-130*			
Matrix Spike Dup (2139009-MSD1)				**Source: E109068-01**					Prepared: 09/20/21 Analyzed: 09/20/21
Benzene	4.80	0.0250	5.00	ND	95.9	54-133	3.73	20	
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	61-133	3.23	20	
Toluene	4.84	0.0250	5.00	ND	96.8	61-130	3.46	20	
o-Xylene	4.79	0.0250	5.00	ND	95.7	63-131	3.52	20	
p,m-Xylene	9.49	0.0500	10.0	ND	94.9	63-131	3.20	20	
Total Xylenes	14.3	0.0250	15.0	ND	95.2	63-131	3.31	20	
Surrogate: 4-Bromochlorobenzene-PID	*7.90*		*8.00*		*98.8*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	25 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2139009-BLK1)									Prepared: 09/20/21 Analyzed: 09/20/21
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.45*		*8.00*		*93.1*	*70-130*			
LCS (2139009-BS2)									Prepared: 09/20/21 Analyzed: 09/20/21
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.60*		*8.00*		*95.0*	*70-130*			
Matrix Spike (2139009-MS2)				**Source: E109068-01**					Prepared: 09/20/21 Analyzed: 09/20/21
Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.51*		*8.00*		*93.9*	*70-130*			
Matrix Spike Dup (2139009-MSD2)				**Source: E109068-01**					Prepared: 09/20/21 Analyzed: 09/20/21
Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	4.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	*7.67*		*8.00*		*95.9*	*70-130*			

QC Summary Data

Logos Resources	Project Name:	25 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2139017-BLK1)									Prepared: 09/21/21 Analyzed: 09/22/21
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	*57.8*		*50.0*		*116*	*50-200*			
LCS (2139017-BS1)									Prepared: 09/21/21 Analyzed: 09/22/21
Diesel Range Organics (C10-C28)	517	25.0	500		103	38-132			
Surrogate: n-Nonane	*55.3*		*50.0*		*111*	*50-200*			
Matrix Spike (2139017-MS1)				**Source: E109076-01**					Prepared: 09/21/21 Analyzed: 09/22/21
Diesel Range Organics (C10-C28)	1340	250	500	822	104	38-132			
Surrogate: n-Nonane	*57.5*		*50.0*		*115*	*50-200*			
Matrix Spike Dup (2139017-MSD1)				**Source: E109076-01**					Prepared: 09/21/21 Analyzed: 09/22/21
Diesel Range Organics (C10-C28)	1390	250	500	822	113	38-132	3.26	20	
Surrogate: n-Nonane	*57.3*		*50.0*		*115*	*50-200*			

QC Summary Data

Logos Resources	Project Name:	25 Burial Trench	**Reported:**
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Robert Jordan	9/23/2021 10:15:25AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	
Blank (2139018-BLK1)									Prepared: 09/21/21 Analyzed: 09/21/21
Chloride	ND	20.0							
LCS (2139018-BS1)									Prepared: 09/21/21 Analyzed: 09/21/21
Chloride	230	20.0	250		92.0	90-110			
Matrix Spike (2139018-MS1)				**Source: E109059-01**					Prepared: 09/21/21 Analyzed: 09/21/21
Chloride	757	20.0	250	554	80.9	80-120			
Matrix Spike Dup (2139018-MSD1)				**Source: E109059-01**					Prepared: 09/21/21 Analyzed: 09/21/21
Chloride	845	20.0	250	554	116	80-120	11.0	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.

Definitions and Notes

Logos Resources	Project Name:	25 Burial Trench	
2010 Afton Place	Project Number:	12035-0114	**Reported:**
Farmington NM, 87401	Project Manager:	Robert Jordan	09/23/21 10:15

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.

Project Information | Chain of Custody | Page 1 of 1

Client: **LOGOS Resources II, LLC**	**Bill To**
Section 25 Burial Trench	Attention: Robert Jordan
Project Manager: Robert Jordan	Address: 2010 Afton Place
Address: 2010 Afton Place	City, State, Zip Farmington NM 87401
City, State, Zip Farmington, NM 87401	Phone: 505-419-8420
Phone: 505-320-1395	Email: etrujillo@logosresourcesllc.com
Email: rjordan@logosresourcesllc.com	etrujillo@logosresourcesllc.com
Report due by:	mflorez@logosresourcesllc.com

Lab Use Only: Lab WO# PE109076 | Job Number 12035-014 | AM 9/21/21

TAT: 1D X | 3D

EPA Program: RCRA | CWA | SDWA

State: NM | CO | UT | AZ | TX | OK

Analysis and Method

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Paint filter	Remarks
9:35	9/21/2021	S	2-4oz jar	SB-1 8pt composite sample	1	X	X	X			X	X	
9:40	9/21/2021	S	2-4oz jar	SB-3 5pt composite sample	2	X	X	X			X	X	
9:45	9/21/20	S	2-4oz jar	SB-2 8pt composite sample	3	X	X	X			X	X	

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Marie E Florez	9/21/21	11.20		9/21/21	11:21
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only: Received on ice: (Y) N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

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

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

envirotech Analytical Laboratory
5795 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone (800) 362-1879
Ph (505) 632-1881 Fx (505) 632-1865
envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 9/21/2021 11:32:32AM

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:	09/21/21 11:21	Work Order ID:	E109076
Phone:	(505) 320-1395	Date Logged In:	09/21/21 11:27	Logged In By:	Alexa Michaels
Email:	rjordan@logosresourcesllc.com	Due Date:	09/22/21 17:00 (1 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC?	Yes	
2. Does the number of samples per sampling site location match the COC	Yes	
3. Were samples dropped off by client or carrier?	Yes	Carrier: Marie Florez
4. Was the COC complete, i.e., signatures, dates/times, requested analyses?	Yes	
5. Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the field, i.e, 15 minute hold time, are not included in this disucssion.	Yes	

Comments/Resolution

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT?	Yes

Sample Cooler

7. Was a sample cooler received?	Yes
8. If yes, was cooler received in good condition?	Yes
9. Was the sample(s) received intact, i.e., not broken?	Yes
10. Were custody/security seals present?	No
11. If yes, were custody/security seals intact?	NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling	Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C	

Sample Container

14. Are aqueous VOC samples present?	No
15. Are VOC samples collected in VOA Vials?	NA
16. Is the head space less than 6-8 mm (pea sized or less)?	NA
17. Was a trip blank (TB) included for VOC analyses?	NA
18. Are non-VOC samples collected in the correct containers?	Yes
19. Is the appropriate volume/weight or number of sample containers collected?	Yes

Field Label

20. Were field sample labels filled out with the minimum information:	
Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved?	No
22. Are sample(s) correctly preserved?	NA
24. Is lab filteration required and/or requested for dissolved metals?	No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase?	No
27. If yes, does the COC specify which phase(s) is to be analyzed?	NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory?	No	
29. Was a subcontract laboratory specified by the client and if so who?	NA	Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date

envirotech Inc.

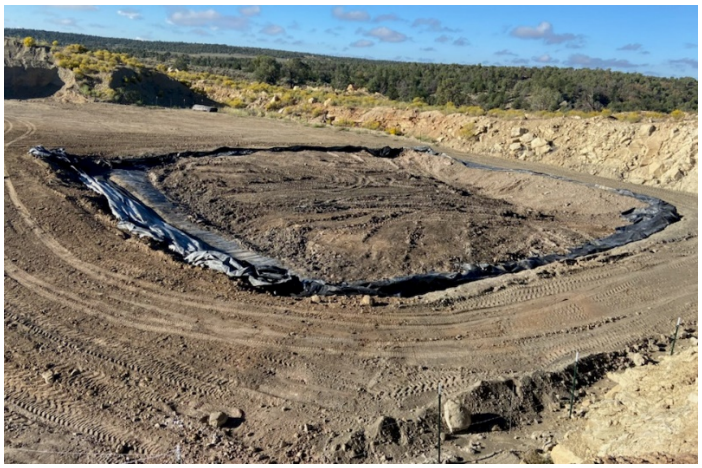

Photo 1

Photo 2

Photo 3

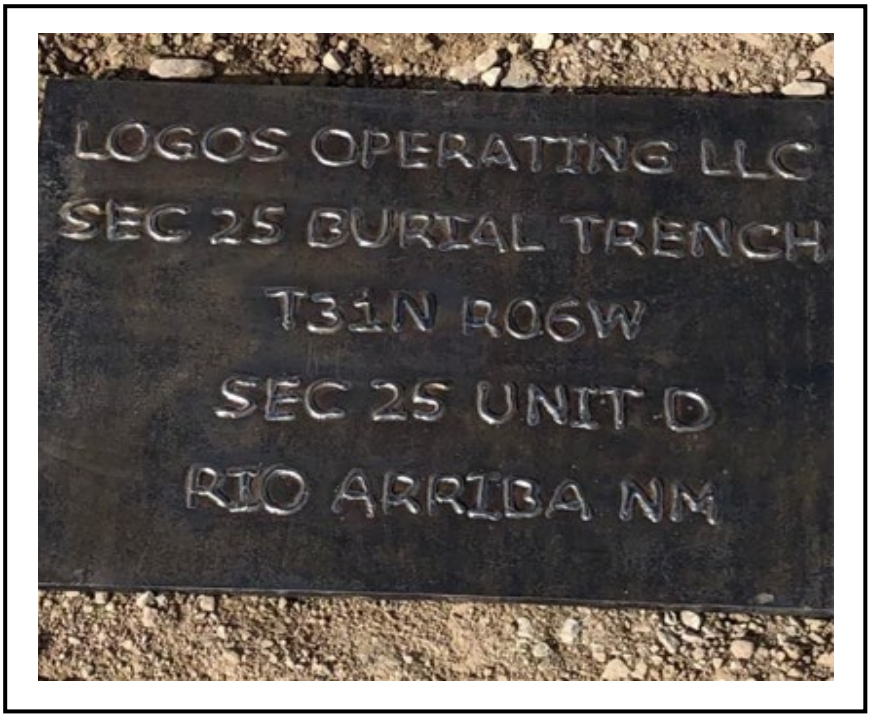

Photo 4

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

CONDITIONS

Action 56732

CONDITIONS

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 56732
	Action Type: [C-144] Permanent Pit Plan (C-144P)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	Closure Approved for SECTION 25 DRYING PAD/BURIAL THRENCH #2, FACILITY ID [fCS1912236570]	3/24/2022