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 June 6, 2013

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.

15560

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

Type of action:
- ☐ Below grade tank registration
- ☐ Permit of a pit or proposed alternative method
- X 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: TnT Environmental, Inc. OGRID #: 308209
Address: HC 74 Box 113
Facility or well name: TnT SWD #1
API Number: 30-039-31257 OCD Permit Number:
U/L or Qtr/Qtr L NW/SW Section 8 Township 25N Range 3W County: Rio Arriba
Center of Proposed Design: Latitude N36.40994 Longitude W107.17595 NAD: ☐1927 X 1983
Surface Owner: ☐ Federal ☐ State X Private ☐ Tribal Trust or Indian Allotment

OIL CONS. DIV DIST. 3
AUG 04 2016

2.
X **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: X Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid X yes ☐ no
X Lined ☐ Unlined Liner type: Thickness 20 mil X LLDPE ☐ HDPE ☐ PVC ☐ Other
X String-Reinforced
Liner Seams: X Welded X Factory ☐ Other Volume: 12,983 bbl Dimensions: L 135' x W 45 x D 12'

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
X Alternate. Please specify 4 ft Hog Wire

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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

X 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): John C. Thompson Title: Agent / Engineer

Signature: John C. Thompson Date: 8/1/2014

e-mail address: johnewalsheng.net Telephone: 505.327.4892

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

OCD Representative Signature: [signature] **Approval Date:** 8/4/16

Title: Environmental Spec. **OCD Permit Number:**

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:** 7/20/15

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 N36.40994 Longitude W 107.17595 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): John Thompson Title: Agent/Engineer

Signature: John C. Thompson Date: 7/21/16

e-mail address: johnc@walsheng.net Telephone: 505-327-4892

TnT Environmental
TnT SWD #1
Closure Plan

In accordance with Rule 19.15.17.9 NMAC and 19.15.17.13 NMAC the following information describes the closure requirements of the temporary reserve pits on the TnT SWD #1 location.

All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of the pit closure. Closure report will be filed on C-144 and incorporated the following:

- Detail on Capping and Covering, where applicable
- Plot Plan (Pit diagram)
- Inspection reports
- Sampling Results
- C-105
- Copy of Deed Notice will be filed with County Clerk

General Plan

1 All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves

The NMOCD granted extensions for closure due to excess liquid in the reserve pit due to above normal moisture. Once the free standing liquid was removed (and disposed of at TnT Environmental) the cuttings were allowed to air dry. Verbal communication was maintained throughout the process with the Aztec office of the NMOCD.

2 The preferred method of closure for all temporary pits will be on-site burial, pursuant to Subsection B of 19.15.17.9 and assuming that all criteria listed in sub-section (D) of 19.15.17.13 are met

Sample results indicated that all values were below the accepted values in sub-section (D) of 19.15.17.13, so the pit was scheduled to be closed on-site

3 Prior to closure, the surface owner shall (which in this case is the same as the operator) be notified at least 72 hrs but not more than one week prior to TnT's proposed closure plan using a means that provides proof of notice i.e., certified mail, return receipt requested

The surface owner was provided 72 hour notice of closing operations. Copy of Certified letter attached.

4 Within 6 months of the Rig Off status occurring TnT will ensure that temporary pits are closed, re-contoured, and reseeded

Due to heavy moisture, a pit closure extension to July 2015 was requested and approved. See attached C-103.

5 Notice of Closure will be given to the Aztec Division office 72 hours but not more than one week of closure via email, or verbally, The notification of closure will include the following:

i. Operator's name
ii. Location by Unit Letter, Section, Township, and Range. Well name and API Number

An email was sent to Cory Smith w/ NMOCD Aztec office and subsequent phone calls were made by Tony Schmitz (land owner and contractor) to the NMOCD office to notify of closure activities.

6 All contents, including synthetic pit liners, will be buried in place. By folding outer edges of the pit liner to overlap waste material, and then installing a geomembrane liner cover that is 20 mil string reinforced LLDPE, synthetic material an then installing a geomembrane liner cover that is 20 mil string reinforced LLDPE, synthetic material, impervious, resistant to ultra violet light, petroleum hydrocarbons, salts, acid and alkaline.

The liner was buried in place as planned.

7 Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents. The waste mixture must pass the paint filter liquids test (EPA SW-846, Method 9095 or other test methods approved by the division.

Tony Schmitz (land owner and contractor) mixed the contents with non-waste containing, earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio consisted of not more than 3 parts clean to 1 part pit contents. The waste mixture passed the paint filter test (EPA SW-846).

8 A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection D of 19.15.17.13 (5). The concentration of any contaminant in the stabilized waste is cannot be higher than the parameters listed in Table II of 19.15.17.13 NMAC. In the event that the criteria are not met, all contents will be handled per Subsection C of 19.15.17.13 i.e., Dig and haul

A five point composite sample was taken from the pit using sampling tools and all samples tester per 19.15.17.13 (D) ((5). (Sample results attached).

Components	Tests Method	Limit (mg/Kg)
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
GRO/DRO	EPA SW-846 8015M	1000
Chlorides	EPA 300.1	80,000

9 Upon completion of solidification and testing, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material (with chloride concentrations less than 600

mg/Kg) to establish vegetation at the site, or the background thickness of topsoil, whichever is greater

The pit was backfilled as planned with four feet of cover with the original top soil being placed on the top one foot.

10 Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape

The pit area was re-contoured as planned and was done to match fit, shape, line form and texture of surrounding area. Reshaping included drainage control, to prevent ponding and erosion. The final re-contour has a uniform appearance with smooth surface, fitting the natural landscape.

11 Notification will be sent to OCD when the reclaimed area is seeded

Provision 11 was accomplished in accordance with NMCOD 19.15.17.13.(5)(d). Notification will be sent to the OCD when re-vegetation is established.

12 Following 19.15.17.13 (H) (5) (a-e), TnT shall seed the distributed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. Suggested BLM stipulated seed mixed will be used on federal lands. In this case (private surface) the operator and surface owner have agreed to defer to the federal (BLM) stipulated seed mix. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover thorough two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs

Provision 12 was accomplished in accordance with NMCOD 19.15.17.13.(5)(d). Notification will be sent to the OCD when re-vegetation is established.

13 The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be a four foot tall riser with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and Number, unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location

The steel marker was installed as planned. Pictures are attached.

Form 3160-4
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: October 31, 2014

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.: FEE/NMNM 023041

1a. Type of Well: ☐ Oil Well ☐ Gas Well ☐ Dry ☑ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other: Completion for SWD

6. If Indian, Allottee or Tribe Name:

7. Unit or CA Agreement Name and No.:

2. Name of Operator: TnT Environmental, Inc

8. Lease Name and Well No.: TnT SWD #1

3. Address: HC 74 Box 113, Lindrith, NM 87029

3a. Phone No. *(include area code)*: (505) 320 - 2130

9. API Well No.: 30-039-31257

4. Location of Well *(Report location clearly and in accordance with Federal requirements)**

At surface: Unit L, 439' FWL & 1761' FSL, Sec 8, T25N, R3W

10. Field and Pool or Exploratory: Entrada SWD

11. Sec., T., R., M., on Block and Survey or Area: Sec 8/T25N/R3W

At top prod. interval reported below: SAME

At total depth: SAME

12. County or Parish: Rio Arriba

13. State: NM

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
09/25/2014	10/10/2014	☐ D & A ☑ Ready to Prod.	5274' GL/5288.5' KB

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 9245' TVD	MD 9230' TVD	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
Density, Neutron, Induction, Gamma Ray, Cement Evaluation - Radial Sector Bond log

22. Was well cored? ☑ No ☐ Yes (Submit analysis)
Was DST run? ☑ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☑ Yes (Submit copy)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	9-5/8"/J55	36 #/ft	0	552'		325 sks(381 cf)	68 bbls	Surface	None
8-3/4"	7"/L80	26#	0	9242'	6073' & 4299'	290/170 Cl "G"	127 bbls	6073' (DV tool)	None
						200/100 CL "G"	81 bbls	4299' (DV tool)	
						470/150 CL "G"	173 bbls	260' (CBL)	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
4-1/2"	8947'	8963'						

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Entrada	8978'	9192'	8990'-9188' (121' net-4 spf)	0.42" EHD	484	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
8990'-9188'	2500 gals of 15% HCL w/ additives & 525 (1.3 SG) ball sealers. MIR: 12 bpm - 1500 psi.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
								Injecting

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

*(See instructions and spaces for additional data on page 2)

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status

29. Disposition of Gas *(Solid, used for fuel, vented, etc.)*

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
Nacimiento	2247'			Mancos	6039'
Ojo Alamo	3254'			Gallup	6864'
Kirtland	3431'			Greenhorn	7769'
Pictured Cliffs	3651'			Dakota	7872'
Lewis	3715'			Todilto	8891'
Chacra	4570'			Entrada	8977'
Mesaverde	5301'			Chinle	9192'

32. Additional remarks (include plugging procedure):

1/26/15 - Performed all required test as per ATI Permit (AO SWD-1498) MIT, Kill test on pop-off at 800 psi. Recieved approval to commence injection from NMOCD on 1/26/15

33. Indicate which items have been attached by placing a check in the appropriate boxes:

☑ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☐ Directional Survey

☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name *(please print)* John C. Thompson Title Engineer/Agent

Signature Date 01/02/2015

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 3)

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
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-103
Revised July 18, 2013

WELL API NO.
30-039-31257

5. Indicate Type of Lease
STATE ☐ FEE X

6. State Oil & Gas Lease No.
Fee/NMNM 023041

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name

1. Type of Well: Oil Well ☐ Gas Well X Other

8. Well Number
TnT SWD #1

2. Name of Operator
TnT Environmental Inc.

9. OGRID Number
308209

3. Address of Operator
HC 74 Box 113, Lindrith, NM 87029

10. Pool name or Wildcat
Entrada SWD

4. Well Location
Unit Letter L : 439' feet from the FWL line and 1761' feet from the FSL line
Section 8 Township 25N Range 3W NMPM Rio Arriba County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
7148' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER: Pit Closure Extension	X			OTHER:			

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

TnT Environmental, Inc. is requesting a 3 month extension for the pit closure. The extension is being requested in order to have additional time to let the pit contents dry. Winter weather made it difficult to keep snow/rain water out of the reserve pit. If approved the new closure deadline would be July 16, 2015.

Spud Date: 9/25/2014 Rig Release Date: 10/16/2014

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE _____ TITLE Engineer/Agent DATE 3/11/2015

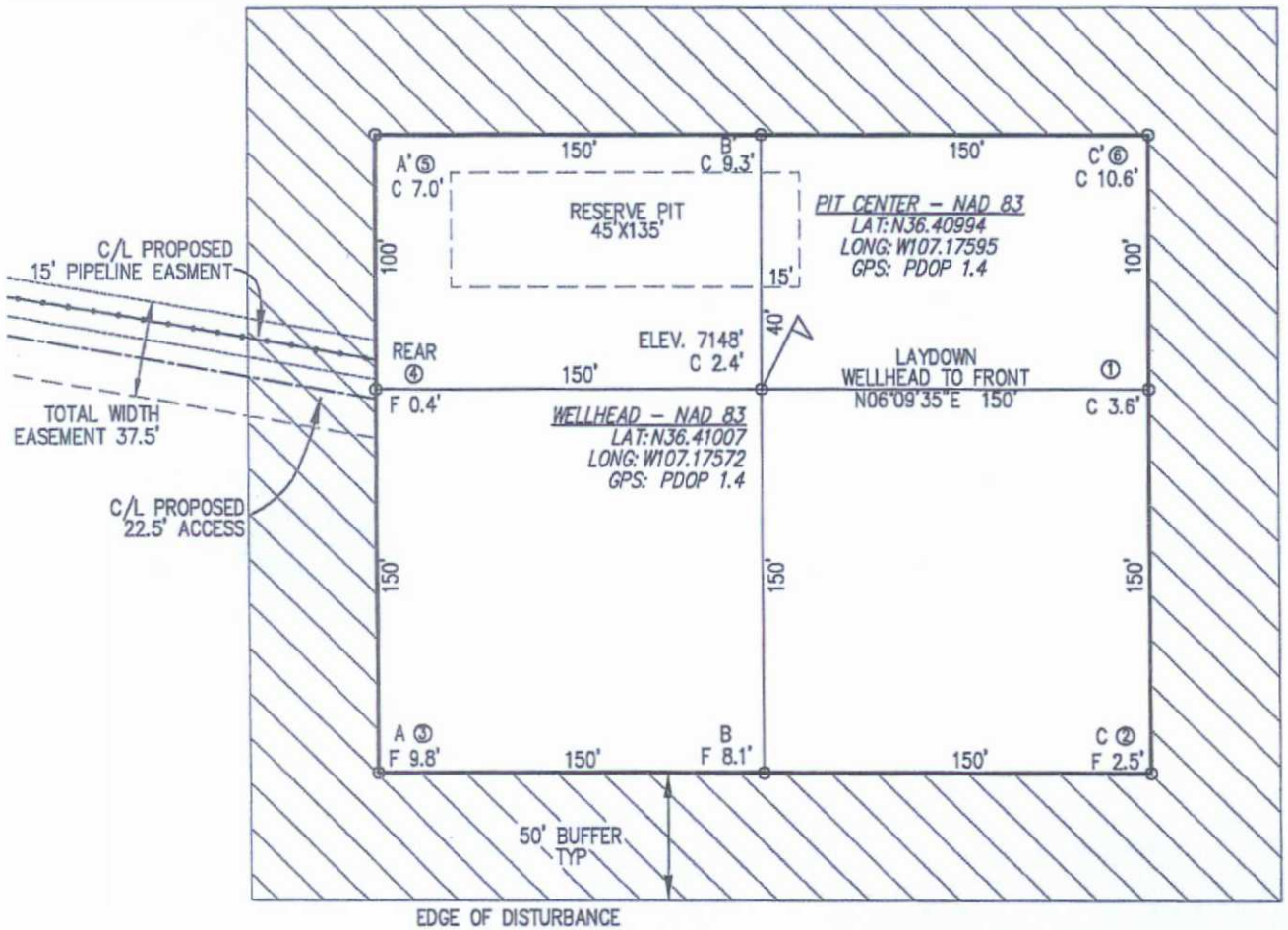
Type or print name John Thompson E-mail address: john@walsheng.net PHONE: 505-327-4892

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any):

TNT ENVIRONMENTAL
TNT SWD #1
1761' FSL, 439' FWL
SEC. 8, T-25-N, R-3-W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO
ELEVATION: 7148'



SCALE 1"=70'

THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR THE COST OF ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF A FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING NEW MEXICO ONE CALL SYSTEM, INC. AT 1-800-321-ALERT THREE (3) DAYS PRIOR TO THE START OF ANY EXCAVATION WORK.

DATE:	REVISION	DISTURBANCE AREA	
			ACRES
		PAD	1.72
		BUFFER	1.49
		TOTAL	3.21

DRAWN BY: BB | CAD DWG: TNTSWD\PADDIAGRAM.DWG

BASIN SURVEYING, INC.
P.O. BOX 6456, FARMINGTON, N.M. 87499
108 LLANO STREET, AZTEC, N.M. 87410
PHONE: (505)334-1500

SCALE: 1"=50' | DATE: 05/06/2014

Temporary Pit Weekly Inspection Form

Well Name:	TnT SWD #1
Legals:	Sec 8/T25N/3W
Drilling Rig Release Date:	10/16/2014

Inspectors Name:	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Week #	1	2	3	4	5	6	7	8	9	10
Date of Inspection	10/14/14	10/21/14	10/28/14	11/14/14	11/10/14	11/18/14	11/24/14	12/02/14	12/08/14	12/16/14
Well sign on Location (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Any Liner Breeches (Y/N)	N	N	N	N	N	N	N	N	N	N
HC's on top of pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Free of Trash/Debris (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Fence Integrity Good (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Dead Wildlife in Pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Freeboard 2' or greater (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Comments:	heavy Rain - trans water to evap pond				heavy Rain - trans water to evap pond					

Temporary Pit Weekly Inspection Form

Well Name:	TnT SWD #1
Legals:	Sec 8/T25N/3W
Drilling Rig Release Date:	10/16/2014

Inspectors Name:	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Week #	11	12	13	14	15	16	17	18	19	20
Date of Inspection	12/22/14	01/05/15	01/12/15	01/20/15	01/26/15	02/02/14	02/10/15	02/16/15	02/24/15	03/02/15
Well sign on Location (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Any Liner Breeches (Y/N)	N	N	N	N	N	N	N	N	N	N
HC's on top of pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Free of Trash/Debris (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Fence Integrity Good (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Dead Wildlife in Pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Freeboard 2' or greater (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Comments:		Heavy snow	Heavy snow	Heavy snow	Heavy snow	Heavy snow	Heavy snow		transfer fluid to evap pond	

Temporary Pit Weekly Inspection Form

Well Name:	TnT SWD #1
Legals:	Sec 8/T25N/3W
Drilling Rig Release Date:	10/16/2014

Inspectors Name:	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Week #	21	22	23	24	25	26	27	28	29	30
Date of Inspection	03/09/15	03/17/15	03/24/15	03/30/15	04/07/15	04/14/15	04/20/15	04/27/15	5/6/205	05/12/15
Well sign on Location (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Any Liner Breeches (Y/N)	N	N	N	N	N	N	N	N	N	N
HC's on top of pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Free of Trash/Debris (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Fence Integrity Good (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Dead Wildlife in Pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Freeboard 2' or greater (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Comments:		transfer fluid to evap pond		Rain		transfer fluid to evap pond			transfer fluid to evap pond	

Temporary Pit Weekly Inspection Form

Well Name:	TnT SWD #1
Legals:	Sec 8/T25N/3W
Drilling Rig Release Date:	10/16/2014

Inspectors Name:	TS	TS	TS	TS	TS	TS	TS	TS	TS	TS
Week #	31	32	33	34	35	36	37	38	39	40
Date of Inspection	05/18/15	05/26/15	06/02/15	06/08/15	06/16/15	06/23/15	06/30/15	07/07/15	07/15/15	07/24/15
Well sign on Location (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Any Liner Breeches (Y/N)	N	N	N	N	N	N	N	N	N	N
HC's on top of pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Free of Trash/Debris (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Fence Integrity Good (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Dead Wildlife in Pit (Y/N)	N	N	N	N	N	N	N	N	N	N
Freeboard 2' or greater (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Comments:	transfer fluid to evap pond	transfer fluid to evap pond				transfer fluid to evap pond	T. Schmitz started closing pit, mixing drying cuttings	Continue mixing and back filling pit	Continue mixing and back filling pit	Pit closed, location re-countored and ready for re-seeding.

July 10, 2015

VIA CERTIFIED MAIL

Attn: Tony Schmitz
TnT Environmental Inc.
HC 74 Box 113,
Lindrith, NM 87209

Re: Pit Closure Notification - TnT SWD #1

Dear Tony Schmitz,

TnT Environmental, Inc is notifying you of it's intent to close the temporary drilling pit on it's TnT SWD #1 location pursuant to NMOCD 19.15.17.9 NMAC pit rule. If you have any questions (that you can't answer yourself) please contact the New Mexico Oil Conservation Division Aztec Office 505-224-6178

If you have no objection to this notification, then no further action is required on your part.

If you have any questions or need additional information please feel free to call me at (505) 327-4892.

Sincerely,

John Thompson
Walsh Engineering & Production
Agent/Engineer for TnT Environmental, Inc.

July 10, 2016

VIA CERTIFIED MAIL

Attn: Rio Arriba County Clerk
PO Box 158/ 7 Main Street
Tierra Amarilla, NM 87575

Re: Deed Notice of Temporary Drilling Pit location

Mr Morales,

Pursuant to NMOCD 19.15.17.9 NMAC pit rule. TnT Environmental Inc. is sending you the following information to be recorded for public records of the location of the temporary drilling reserve pit that is located on private lands owned and operated by TnT Environmental Inc. within Rio Arriba County, New Mexico. The temporary pit was used to contain drill cuttings and drilling mud that was used to drill the TnT SWD #1. The cuttings and drilling mud were allowed to dry and then tested for contaminants. All testing showed that the material to be buried was below the thresholds allowed by the state of New Mexico. The actual closure took place in July of 2015 and all records pertaining to this action have been filed with the New Mexico Oil Conservation Division Aztec Office (505-224-6178).

A copy of the location showing the coordinates of the center of the temporary pit are included with this notice.

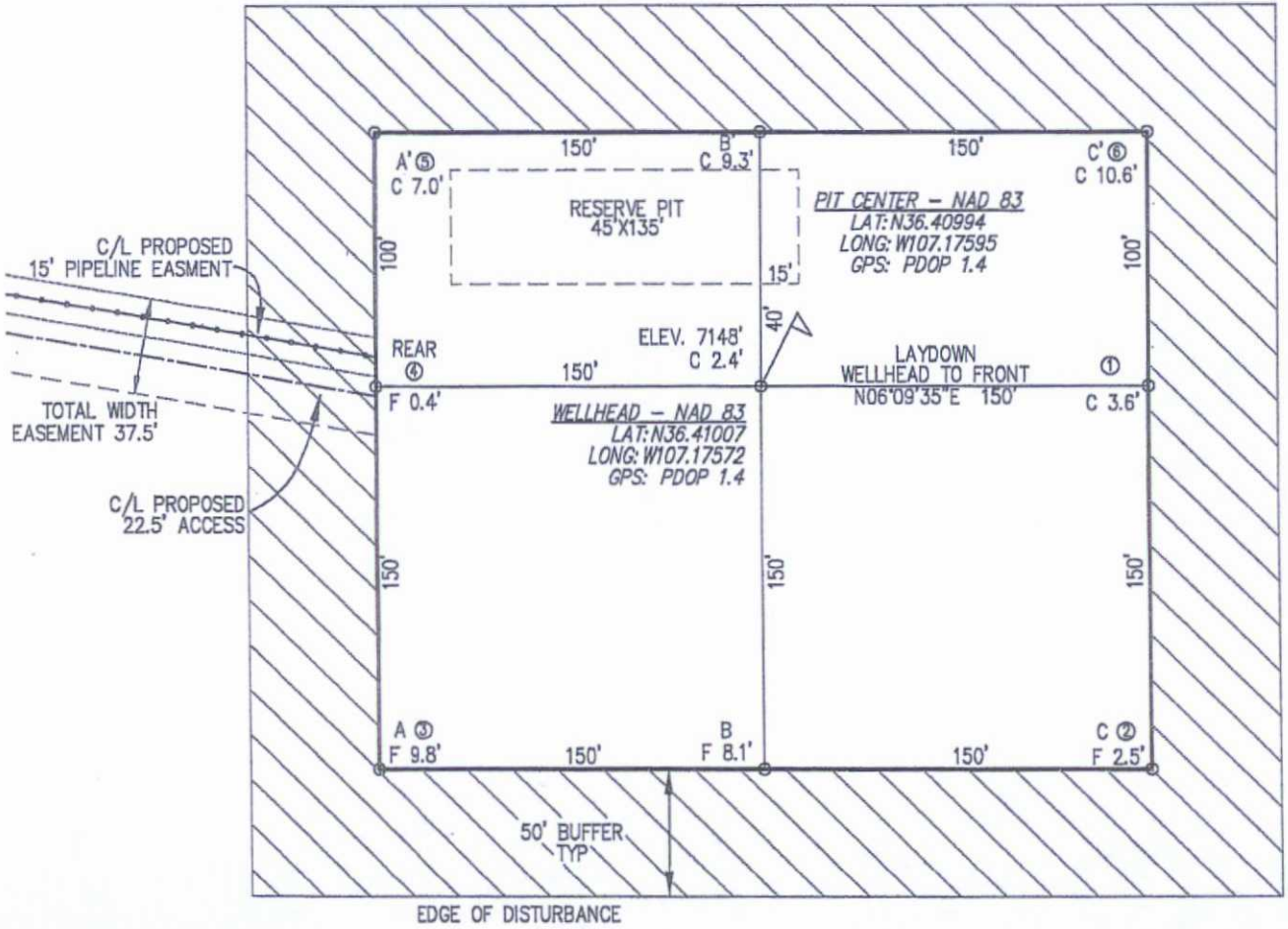
If you have any questions or need additional information please feel free to call me at (505) 320-2737.

Sincerely,

Tony Schmitz
TnT Environmental, Inc.
Principal for TnT Environmental, Inc.

TNT ENVIRONMENTAL

TNT SWD #1
1761' FSL, 439' FWL
SEC. 8, T-25-N, R-3-W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO
ELEVATION: 7148'



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DATE:	REVISION

DISTURBANCE AREA	
	ACRES
PAD	1.72
BUFFER	1.49
TOTAL	3.21

BASIN SURVEYING, INC.
P.O. BOX 6456, FARMINGTON, N.M. 87499
108 LLANO STREET, AZTEC, N.M. 87410
PHONE: (505)334-1500

DRAWN BY: BB | CAD DWG: TNTSWD\PADDIAGRAM.DWG | SCALE: 1"=50' | DATE: 05/06/2014

envirotech
Analytical Laboratory

Analytical Report

Report Summary

Client: Walsh Engineering

Chain Of Custody Number:

Samples Received: 6/23/2015 3:40:00PM

Job Number: 07173-0001

Work Order: P506079

Project Name/Location: TNT SWD #1

Entire Report Reviewed By: _____ Date: 7/1/15

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
envirotech-inc.com
laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
TNT #1A	P506079-01A	Soil	06/23/15	06/23/15	Glass Jar, 4 oz. - MW 3 : 1
TNT #1B	P506079-02A	Soil	06/23/15	06/23/15	Glass Jar, 4 oz. RAW
TNT #1C	P506079-03A	Soil	06/23/15	06/23/15	Glass Jar, 4 oz. Background

envirotech
Analytical Laboratory

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

TNT #1A

P506079-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*131 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**49.9**	9.91	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8015D	
Diesel Range Organics (C10-C28)	**95.9**	39.6	mg/kg	2	1526021	06/25/15	06/26/15	EPA 8015D	
Surrogate: o-Terphenyl		*101 %*		*50-200*	*1526021*	*06/25/15*	*06/26/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*141 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8015D*	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**193**	34.5	mg/kg	1	1526024	06/26/15	06/26/15	EPA 418.1	
Cation/Anion Analysis									
Chloride	**11.8**	9.92	mg/kg	1	1527004	06/30/15	06/30/15	EPA 300.0	

envirotech
Analytical Laboratory

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

TNT #1B

P506079-02 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*90.7 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	**10.7**	9.90	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8015D	
Diesel Range Organics (C10-C28)	**1690**	39.5	mg/kg	2	1526021	06/25/15	06/26/15	EPA 8015D	
Surrogate: o-Terphenyl		*179 %*		*50-200*	*1526021*	*06/25/15*	*06/26/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*93.0 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8015D*	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**849**	34.9	mg/kg	1	1526024	06/26/15	06/26/15	EPA 418.1	
Cation/Anion Analysis									
Chloride	**62.1**	9.85	mg/kg	1	1527004	06/30/15	06/30/15	EPA 300.0	

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

TNT #1C Background

P506079-03 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*92.3 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1526022	06/26/15	06/29/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	39.4	mg/kg	2	1526021	06/25/15	06/26/15	EPA 8015D	
Surrogate: o-Terphenyl		*93.7 %*		*50-200*	*1526021*	*06/25/15*	*06/26/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*104 %*		*50-150*	*1526022*	*06/26/15*	*06/29/15*	*EPA 8015D*	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	**88.0**	35.0	mg/kg	1	1526024	06/26/15	06/26/15	EPA 418.1	
Cation/Anion Analysis									
Chloride	ND	9.93	mg/kg	1	1527004	06/30/15	06/30/15	EPA 300.0	

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Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1526022 - Purge and Trap EPA 5030A										
Blank (1526022-BLK1)				Prepared & Analyzed: 25-Jun-15						
Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.376*		"	*0.398*		*94.7*	*50-150*			
LCS (1526022-BS1)				Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Benzene	21.4	0.10	mg/kg	20.0		107	75-125			
Toluene	21.0	0.10	"	20.0		105	70-125			
Ethylbenzene	20.8	0.10	"	20.0		104	75-125			
p,m-Xylene	43.3	0.20	"	40.0		108	80-125			
o-Xylene	20.8	0.10	"	20.0		104	75-125			
Surrogate: 4-Bromochlorobenzene-PID	*0.384*		"	*0.400*		*96.0*	*50-150*			
Matrix Spike (1526022-MS1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Benzene	21.1	0.10	mg/kg	20.0	ND	106	75-125			
Toluene	20.7	0.10	"	20.0	ND	104	70-125			
Ethylbenzene	20.6	0.10	"	20.0	ND	103	75-125			
p,m-Xylene	42.7	0.20	"	39.9	ND	107	80-125			
o-Xylene	20.6	0.10	"	20.0	ND	103	75-125			
Surrogate: 4-Bromochlorobenzene-PID	*0.387*		"	*0.399*		*96.8*	*50-150*			
Matrix Spike Dup (1526022-MSD1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Benzene	20.8	0.10	mg/kg	19.7	ND	106	75-125	1.49	15	
Toluene	20.4	0.10	"	19.7	ND	103	70-125	1.54	15	
Ethylbenzene	20.2	0.10	"	19.7	ND	102	75-125	1.64	15	
p,m-Xylene	42.0	0.20	"	39.5	ND	106	80-125	1.73	15	
o-Xylene	20.2	0.10	"	19.7	ND	103	75-125	1.58	15	
Surrogate: 4-Bromochlorobenzene-PID	*0.382*		"	*0.395*		*96.7*	*50-150*			

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Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1526021 - DRO Extraction EPA 3550M										
Blank (1526021-BLK1)				Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg							
Surrogate: o-Terphenyl	*43.2*		"	*39.9*		*108*	*50-200*			
LCS (1526021-BS1)				Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Diesel Range Organics (C10-C28)	494	24.9	mg/kg	497		99.3	38-132			
Surrogate: o-Terphenyl	*43.8*		"	*39.8*		*110*	*50-200*			
Matrix Spike (1526021-MS1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Diesel Range Organics (C10-C28)	520	39.5	mg/kg	493	ND	106	38-132			
Surrogate: o-Terphenyl	*45.6*		"	*39.5*		*116*	*50-200*			
Matrix Spike Dup (1526021-MSD1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Diesel Range Organics (C10-C28)	559	39.1	mg/kg	489	ND	114	38-132	7.11	20	
Surrogate: o-Terphenyl	*43.2*		"	*39.1*		*111*	*50-200*			

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Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1526022 - Purge and Trap EPA 5030A										
Blank (1526022-BLK1)				Prepared & Analyzed: 25-Jun-15						
Gasoline Range Organics (C6-C10)	ND	9.94	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	*0.359*		"	*0.398*		*90.2*	*50-150*			
LCS (1526022-BS1)				Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Gasoline Range Organics (C6-C10)	214	9.99	mg/kg	233		91.8	80-120			
Surrogate: 4-Bromochlorobenzene-FID	*0.386*		"	*0.400*		*96.5*	*50-150*			
Matrix Spike (1526022-MS1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Gasoline Range Organics (C6-C10)	211	9.98	mg/kg	233	ND	90.5	75-125			
Surrogate: 4-Bromochlorobenzene-FID	*0.387*		"	*0.399*		*97.0*	*50-150*			
Matrix Spike Dup (1526022-MSD1)		**Source: P506087-03**		Prepared: 25-Jun-15 Analyzed: 26-Jun-15						
Gasoline Range Organics (C6-C10)	207	9.86	mg/kg	230	ND	89.9	75-125	1.97	15	
Surrogate: 4-Bromochlorobenzene-FID	*0.383*		"	*0.395*		*97.1*	*50-150*			

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1526024 - 418 Freon Extraction										
Blank (1526024-BLK1)				Prepared & Analyzed: 26-Jun-15						
Total Petroleum Hydrocarbons	ND	34.9	mg/kg							
Duplicate (1526024-DUP1)		**Source: P506087-03**		Prepared & Analyzed: 26-Jun-15						
Total Petroleum Hydrocarbons	ND	35.0	mg/kg		ND				30	
Matrix Spike (1526024-MS1)		**Source: P506087-03**		Prepared & Analyzed: 26-Jun-15						
Total Petroleum Hydrocarbons	1860	35.0	mg/kg	2030	ND	91.5	80-120			

Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1527004 - Anion Extraction EPA 300.0										
Blank (1527004-BLK1)				Prepared & Analyzed: 30-Jun-15						
Chloride	ND	10.0	mg/kg							
LCS (1527004-BS1)				Prepared & Analyzed: 30-Jun-15						
Chloride	511	9.85	mg/kg	493		104	90-110			
Matrix Spike (1527004-MS1)	**Source: P506079-01**			Prepared & Analyzed: 30-Jun-15						
Chloride	565	9.91	mg/kg	496	11.8	112	80-120			
Matrix Spike Dup (1527004-MSD1)	**Source: P506079-01**			Prepared & Analyzed: 30-Jun-15						
Chloride	559	9.86	mg/kg	493	11.8	111	80-120	1.08	20	

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Walsh Engineering	Project Name:	TNT SWD #1	
7415 E Main St.	Project Number:	07173-0001	**Reported:**
Farmington NM, 87402	Project Manager:	John Thompson	01-Jul-15 14:05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Client: Walsh Engineering
Project: TNT SWD #1
Sampler: S. Thompson / S. Jacobs
Phone: 505-320-1178
Email(s): johne walsheng.net
Project Manager:

RUSH? 1d 3d

Lab Use Only
Lab WO# P
Job Number

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
TNT #1A	6/23	10:15	Soil	1-802 Gjar	X	X	X	X	1	Y
TNT #1B	6/23	10:20	Soil	"	X	X	X	X	2	"
TNT #1C	6/23	10:25	Soil	"	X	X	X	X	3	"

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/23/15	3:40		6/23/14	15:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 23.3 T2 22.9 T3 24.1
AVG Temp °C

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

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

**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 6C on subsequent days.

Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

Notes/Billing info:

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envirotech-inc.com
laboratory@envirotech-inc.com

Client: WALSH Engineering
Project: TNT SWD #1
Sampler: J. Thompson / J. Jacobs
Phone: 505-320-1768
Email(s): johne@walsheng.net
Project Manager:

RUSH? ☐ 1d ☐ 3d

Lab Use Only
Lab WO# P506079
Job Number 07173-0061

Page 1 of 1

Sample ID	Sample Date	Sample Time	Matrix	Containers QTY - Vol/TYPE/Preservative	GRO/DRO by 8015	BTEX by 8021	TPH by 418.1	Chloride by 300.0	Lab Number	Correct Cont/Prsrv (s) Y/N
TNT #1A	6/23	10:15	Soil	1-8oz GJar	X	X	X	X	1	Y
TNT #1B	6/23	10:20	Soil	"	X	X	X	X	2	"
TNT #1C	6/23	10:25	Soil	"	X	X	X	X	3	"

Analysis and Method | lab Only

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/23/15	3:40		6/23/14	15:40
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
**Received on Ice Y / N
T1 23.3 T2 22.9 T3 24.1
AVG Temp °C 23.4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

**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 6C on subsequent days.

☐ Sample(s) dropped off after hours to a secure drop off area.

Chain of Custody

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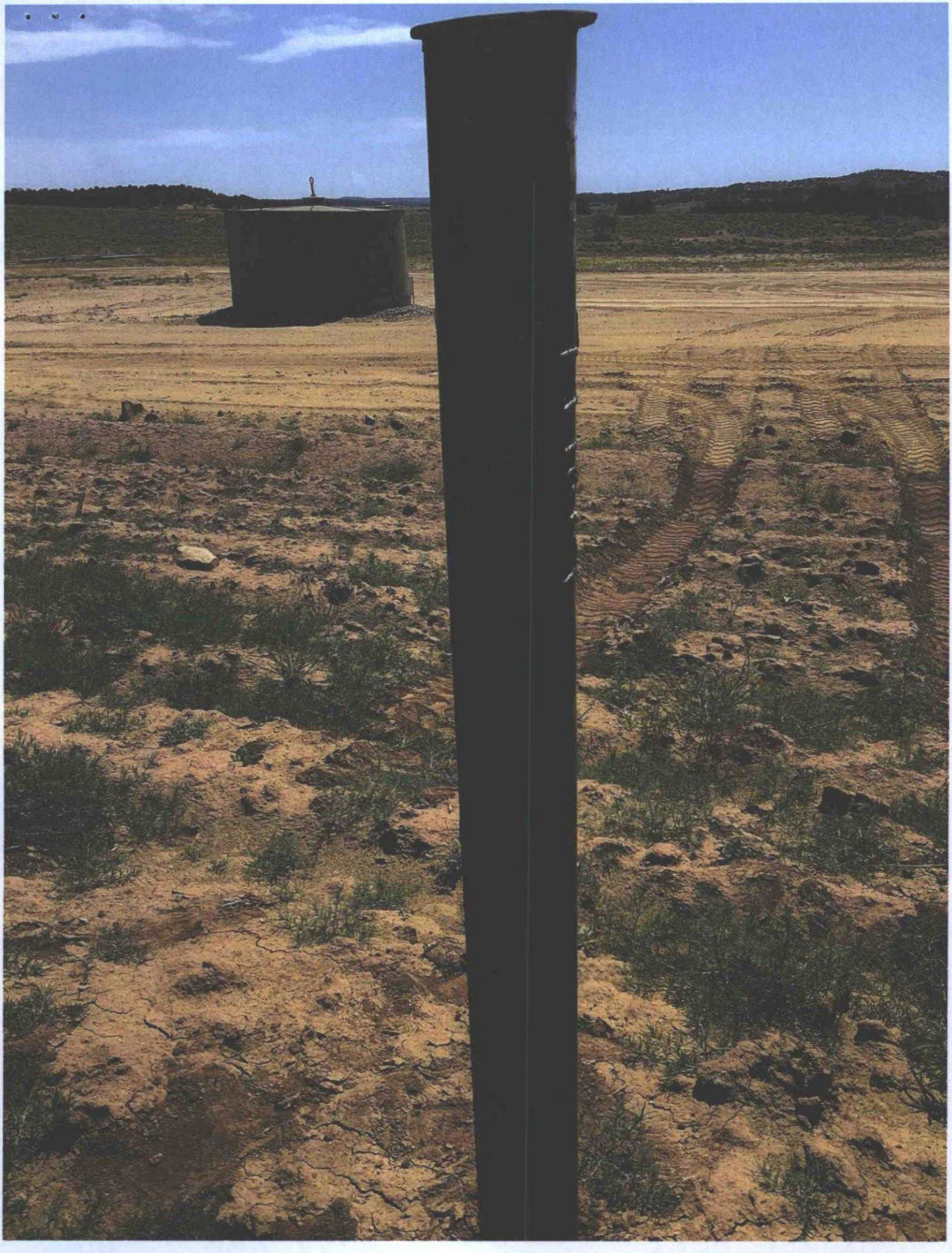

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