

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

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  
☒ 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

16273

**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: Thompson Engineering & Production Corp. OGRID #: 37581  
Address: 7415 East Main St., Farmington, NM 87402  
Facility or well name: Lindrith #24M  
API Number: 30-039-23137 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr K Section 4 Township 26N Range 7W County: Rio Arriba  
Center of Proposed Design: Latitude 36.51275 North Longitude 107.58382 West NAD83  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

NMOC

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

MAR 01 2018

DISTRICT III

3.  
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 80 bbl Type of fluid: Produced water  
Tank Construction material: Fiberglass  
☐ 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 Four feet height, wire mesh with T-posts

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<sub>2</sub>S, 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> 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: VP of Operations

Signature: [Signature]

Date: 2/23/2018

e-mail address: john@walsheng.net

Telephone: 505-327-1868

18.

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

OCD Representative Signature: [Signature]

Approval Date: 3/5/2018

Title: Environmental Specialist

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: 11/14/2017

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 N36.51275 Longitude W107.58382 NAD: ☐ 1927 ☐ 1983

**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 C. Thompson Title: VP of Operations

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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

**Questar Exploration and Production Company**

Lindrith #24M

U/L: K, Section 4, T. 26 N., R. 7 W.

Rio Arriba County, New Mexico

**BELOW-GRADE TANK CLOSURE PLAN**

As stipulated in Rule 19.15.17.13 NMAC, the following information adheres to the requirements established in closing below-grade tanks (BGTs) on Questar Exploration and Production Company (QEP) well sites. This plan will address the standard protocols and procedures for closure of BGTs.

QEP proposes to close its existing BGTs that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or are not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC in accordance with this closure plan and the transitional provisions of Subsection E of 19.15.17.17 NMAC, or within five (5) years after the effective date (June 16, 2008) of 19.15.17 NMAC.

The following outline addresses all requirements for closure of QEP's BGTs:

1. Prior notification of QEP's intent to close the BGT will follow 19.15.17.13J (1) and (2).
  - a. QEP will notify the surface owner by certified mail, return receipt requested, of closure plans. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is sufficient to demonstrate compliance with this requirement.
  - b. Notification will also be given to the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice will include the operator's name and the well's name, number, and API number, in addition to the well's legal description, including the unit letter, section, township, and range.
2. QEP will remove liquids and sludge from the BGT prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. A list of QEP's approved disposal facilities are below:

Fluid disposal: Key Energy Services

Sunco well #1

U/L=E, SWNW, Section 2, T29N-R12W

San Juan, New Mexico

Permit #NM-01-0009

Basin Disposal Inc.  
Basin Disposal well #1  
U/L=F, SWNW, Section 3, T29N-R11W  
San Juan, New Mexico  
Permit #NM-01-0005

Solid disposal: Envirotech Land Farm  
Disposal Facility  
Section 6, T26N-R10W, County Road #7175  
San Juan, New Mexico  
Permit #NM-01-0011

3. QEP will remove the BGT from the pit and place it at ground level adjacent to the original BGT site.
4. QEP will hook up necessary equipment and piping for temporary tank use. At this time, any on-site equipment not necessary to the operation of the tank will be removed from the site.
5. QEP will test the soils beneath the original BGT location to determine whether a release has occurred. At a minimum, a five (5) point composite sample will be collected in addition to individual grab samples from areas that are wet, discolored, or showing other evidence of a release. The samples will be analyzed for BTEX, TPH, and chlorides to demonstrate that they do not exceed certain concentrations. The testing methods and closure standards for those constituents are as follows:

Constituents	Testing Method	Closure Standards (mg/Kg)
Benzene	US EPA SW-846 methods 8021B or 8260B	0.2
total BTEX	US EPA SW-846 methods 8021B or 8260B	50
TPH	US EPA method 418.1	100
Chlorides	US EPA method 300.1	250 or background

Notes: mg/Kg = milligram per kilogram; BTEX = benzene, toluene, ethylbenzene, and total xylenes; TPH = total petroleum hydrocarbons. Other EPA methods that the division approves may be applied to all constituents listed. The Chlorides closure standards will be determined by whichever concentration level is greatest.

6. QEP will notify the division District III office of the soil test results on Form C-141. It is understood that the NMOCD may require additional delineation upon review of the results.



7. If it is determined that a release has occurred, then QEP will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.
8. If the confirmation sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then QEP will backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; re-contour the site; and move the fiberglass tank onto the newly-backfilled and compacted site. The division-prescribed soil cover, re-contouring, and re-vegetation requirements shall comply with Subsections G, H, and I of 19.15.17.13 NMAC.
9. Reclamation will follow 19.15.17.13G (1) and (2).
  - a. The BGT location and all areas associated with the BGT, including associated access roads, if applicable, will be reclaimed to a safe and stable condition that blends with the surrounding undisturbed area. It is understood that QEP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC and re-contour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography.
  - b. Re-vegetation will not be completed at the time the BGT pit is reclaimed but will instead be applied for as part of the P&A process when the well is plugged and abandoned.
10. Soil cover will follow 19.15.17.13H (1) and (3).
  - a. The soil cover for closures where the BGT has been removed or contaminated soil has been remediated to the NMOCD's satisfaction will consist of the background thickness of topsoil or one (1) foot of suitable material to establish vegetation at the site, whichever is greater.
  - b. The soil cover will be constructed to the site's existing grade, and all possible efforts will be conducted to prevent ponding of water and erosion of the cover material.
11. Within 60 days of closure completion, QEP will submit a closure report on NMOCD's Form C-144, with necessary attachments to document all closure activities, including sampling results; information required by 19.15.17 NMAC; and details on backfilling, capping, and covering, where applicable. QEP will certify that all information in the report and attachments is correct and that QEP has complied with all applicable closure requirements and conditions specified in the approved closure plan.

## **Thompson Engineering & Production**

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Lindrith 24M

Unit Letter: K, Section 4, T26N, R7W

Rio Arriba County, New Mexico

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### **Below-Grade Tank Closure Report Attachment Checklist**

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**1) Notification:**

Vanessa Fields with NMOCD was notified via email on 12/6/2017

Whitney Thomas with BLM (managing surface agency) was notified via email on 12/6/2017.

Approval to proceed with back filling was granted on 12/7/2017 (Vanessa Fields – NMOCD)

**2)**

All liquids, sludge and contaminated soil was removed and hauled to Envirotech Land Farm, Disposal Facility, Section 6, T26N, R10W, CR #7175, San Juan, New Mexico Permit #NM-01-0011.

**3) BGT removal:** The BGT was removed and replaced with a 95 bbl steel tank.

**4) Temporary Tank:** A temporary tank was not utilized, the well was shut in while excavation took place.

**5) Soil Tests:** Soil samples were tested once the area of release was excavated and all sampling results have been included as per the closure documentation on Form C-141.

**6) C-141:** Results of the soil sample testing has been filed with the Aztec NMOCD office

**7)** Due to the release that was discovered, Thompson E&P has complied with rule 19.15.3.116 NMAC and 19.15.1.19 NMAC.

**8)** Due to the release the site had to be excavated prior to back filling with compacted, non-waste containing, earthen material. The site was then covered with a division – prescribed soil cover before being re-contoured in order to comply with Subsections G, H and I of 19.15.17.13 NMAC. A new 95 bbl steel tank was then placed and piped into the production tank and separator.

9) After approval the area that was excavated was reclaimed following section 19.15.17.13 G (1) and (2) and were reclaimed to a safe and stable condition that blends with the surrounding area by placement of soil cover that restored the area to the surface conditions that existed prior to oil and gas operations that involved the BGT. Re-vegetation will not be completed at this time but will be applied for as part of the P&A process when the well is plugged and abandoned.

10) Soil Cover: Because the site had to be excavated, once approval was approved, new top soil was hauled into location and used in accordance with section 19.15.17.13H (1) and (3).

11) This closure report contains all necessary attachments to document the closure activities, including sampling results, information required by 19.15.17 NMAC and related details (with pictures) as per the closure plan that is on file with NMOCD.

**john@walsheng.net**

---

**From:** Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>  
**Sent:** Thursday, December 7, 2017 3:33 PM  
**To:** vern@walsheng.net; l1thomas@blm.gov  
**Cc:** Mike Coley  
**Subject:** RE: Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Good afternoon Vern,

Please send the analytical results along with the Final C-141 to Whitney and myself.

Thank you,

Vanessa Fields  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 119  
Cell: (505) 419-0463  
[vanessa.fields@state.nm.us](mailto:vanessa.fields@state.nm.us)

---

**From:** vern@walsheng.net [mailto:vern@walsheng.net]  
**Sent:** Wednesday, December 6, 2017 7:03 PM  
**To:** Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; l1thomas@blm.gov  
**Cc:** Mike Coley <mcoley@walsheng.net>  
**Subject:** Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Vanessa & Whitney,

The attached soil sample analysis from the Thompson - Lindrith #24M (30-039-23137) cleanup. The analysis is well below the 5000 ppm site evaluation. Can we proceed with backfilling the dig site, reset equipment and put the well back on production?

Thank you,  
Vern Andrews  
505-320-1763  
[vern@walsheng.net](mailto:vern@walsheng.net)

**john@walsheng.net**

---

**From:** Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>  
**Sent:** Wednesday, December 6, 2017 9:43 PM  
**To:** vern@walsheng.net; l1thomas@blm.gov  
**Cc:** Mike Coley  
**Subject:** Re: Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Vern,

The OCD grants approval for backfill.

Thank you,

Vanessa Fields

Sent via the Samsung Galaxy S\*6 active, an AT&T 4G LTE smartphone

----- Original message -----

**From:** vern@walsheng.net  
**Date:** 12/6/17 7:03 PM (GMT-07:00)  
**To:** "Fields, Vanessa, EMNRD" <Vanessa.Fields@state.nm.us>, l1thomas@blm.gov  
**Cc:** Mike Coley <mcoley@walsheng.net>  
**Subject:** Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Vanessa & Whitney,

The attached soil sample analysis from the Thompson - Lindrith #24M (30-039-23137) cleanup. The analysis is well below the 5000 ppm site evaluation. Can we proceed with backfilling the dig site, reset equipment and put the well back on production?

Thank you,  
Vern Andrews  
505-320-1763  
vern@walsheng.net

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

**Release Notification and Corrective Action**

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company – Thompson Engineering & Production	Contact – Vern Andrews
Address – 7415 East Main St., Farmington, NM 87410	Telephone No. – 505-327-4892 or 505-320-1763 (cell)
Facility Name – Lindrith #24M	Facility Type – Producing Natural Gas Well

Surface Owner - BLM	Mineral Owner - Federal	API No. – 30-039-23137
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**LOCATION OF RELEASE**

Unit Letter K	Section 4	Township 26N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
------------------	--------------	-----------------	-------------	---------------	------------------	---------------	----------------	--------------------

Latitude N36.51253 Longitude W107.583984

**NATURE OF RELEASE**

Type of Release – Crude Oil	Volume of Release – 121.67 bbls	Volume Recovered – 63.34 bbls
Source of Release – Production Oil Tank drain valve	Date and Hour of Occurrence – 11/13 – 11/14/17	Date and Hour of Discovery 11/14/17 @ 1320 hrs
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD called Walsh Engineering office @ 1320 hrs on 11/14/17. Called Vanessa Fields with NMOCD on 11/15/17 @ 1116 hrs. Left voice message @ 1522 hrs on 11/15/17 at Farmington BLM office for Whitney Thomas – Environmental Specialist. Spoke with Whitney Thomas @ 0630 hrs on 11/16/17.	
By Whom? Vern Andrews	Date and Hour – NMOCD – John Durham notified Walsh @ 1320 hrs 11/14/17	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*  
NA – Watercourse was not impacted.

**Describe Cause of Problem and Remedial Action Taken.\***

11-13-17 – Mathew Gurule performed a water drain on tank #52402 to prep tank for an oil sale. Beginning gauge was 11'-10" – 236.69 bbls, ending gauge 11'-8" – 233.35 bbls, 3.35 bbls of water drained. Drain valve was shut off and sealed and Mathew Gurule left location. On 11/14/17 John Durham with NMOCD arrived on location to find that the drain valve had leaked the oil from tank #52402 to the below grade pit tank, overflowing the pit tank and filling the below grade, unlined sump. No oil left the BGT containment. NMOCD notified Walsh office and Mike Coley (foreman) responded to location. Vac truck was called and all recoverable oil was put into tank 52401. Estimated recovered barrels – 63.34 bbls, estimated lost barrels – 93.33 bbls. The remedial plan is to remove the BGT and dig out all contaminated soil and haul to Envirotech Landfarm for remediation.

**Describe Area Affected and Cleanup Action Taken.\***

Area affected between the oil storage tanks and separator. Area was excavated to sandstone rock with 2108 yards of contaminated soil hauled to Envirotech's Angel Peak facility. Composite soil samples were taken on 12/1/17 with BLM & NMOCD representatives on site from the east and west walls. 2 composite samples each were taken from the north wall, south wall and bottom of the excavated area and taken to Envirotech's lab for analysis under appropriate chain of custody measures. Lab results were received and submitted to NMOCD and BLM for approval to backfill, approval was granted on 12/06/17. Backfilling and compaction of soil began on 12/11/17 and was completed on 12/15/17.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Vern O. Andrews</i>		<u>OIL CONSERVATION DIVISION</u>	
Printed Name: Vern O. Andrews		Approved by Environmental Specialist:	
Title: Production Superintendent		Approval Date:	Expiration Date:
E-mail Address: vern@walsheng.net		Conditions of Approval:	Attached <input checked="" type="checkbox"/>
Date: 12/08/17 Phone: 505-327-4892			

\* Attach Additional Sheets If Necessary

Attachments:

1. Analytical Results – Envirotech WO# P712002
2. Ariel View of location



## Analytical Report

### Report Summary

Client: Thompson Engineering

Chain Of Custody Number:

Samples Received: 12/1/2017 4:10:00PM

Job Number: 07173-0001

Work Order: P712002

Project Name/Location: Lindrith 24M

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', followed by a stylized flourish.

Date: 12/6/17

Walter Hinchman, Laboratory Director

A handwritten signature in black ink, appearing to read 'Tim Cain', followed by a stylized flourish.

Date: 12/6/17

Tim Cain, Quality Assurance Officer

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





Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
West Wall	P712002-01A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
South Wall West	P712002-02A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
South Wall East	P712002-03A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
East Wall	P712002-04A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
North Wall East	P712002-05A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
North Wall West	P712002-06A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
Bottom West	P712002-07A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.
Bottom East	P712002-08A	Solid	12/01/17	12/01/17	Glass Jar, 4 oz.

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

**West Wall**  
**P712002-01 (Solid)**

**Reporting**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	61.0	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	124	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		98.9 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	120	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	98.0	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

**South Wall West  
P712002-02 (Solid)**

**Reporting**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b><u>Volatile Organics by EPA 8021</u></b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylenc	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-FID		103 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b><u>Nonhalogenated Organics by 8015</u></b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	109	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	104	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		94.2 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b><u>Anions by 300.0</u></b>									
Chloride	101	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b><u>Total Petroleum Hydrocarbons by 418.1</u></b>									
Total Petroleum Hydrocarbons	198	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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laboratory@envirotech-inc.com



Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**South Wall East  
P712002-03 (Solid)**

Reporting

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		101 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	54.9	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	87.4	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		94.3 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	175	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	80.0	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**East Wall  
P712002-04 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatle Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	0.21	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	0.21	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	0.21	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		103 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	59.6	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	67.2	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		102 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		93.1 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	78.3	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	100	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
---	---	------------------------------

**North Wall East  
P712002-05 (Solid)**

**Reporting**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		99.6 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1749009	12/05/17	12/06/17	EPA 8015D	
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1749009	12/05/17	12/06/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		92.0 %		50-200	1749009	12/05/17	12/06/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	340	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering 7415 E. Main St. Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**North Wall West  
P712002-06 (Solid)**

Reporting								
Analytic	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
<b>Volatile Organics by EPA 8021</b>								
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B
Surrogate: 4-Bromochlorobenzene-PID		101 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B
<b>Nonhalogenated Organics by 8015</b>								
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	1749009	12/05/17	12/06/17	EPA 8015D
Oil Range Organics (C28-C40+)	ND	50.0	mg/kg	1	1749009	12/05/17	12/06/17	EPA 8015D
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D
Surrogate: n-Nonane		92.9 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D
<b>Anions by 300.0</b>								
Chloride	84.8	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0
<b>Total Petroleum Hydrocarbons by 418.1</b>								
Total Petroleum Hydrocarbons	ND	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1

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Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**Bottom West  
P712002-07 (Solid)**

**Reporting**

Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		102 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	741	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	212	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		93.9 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	178	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	986	40.0	mg/kg	1	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrieth 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**Bottom East  
P712002-08 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		104 %		50-150	1749002	12/04/17	12/04/17	EPA 8021B	
<b>Nonhalogenated Organics by 8015</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1749002	12/04/17	12/04/17	EPA 8015D	
Diesel Range Organics (C10-C28)	1190	25.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Oil Range Organics (C28-C40+)	337	50.0	mg/kg	1	1749009	12/05/17	12/05/17	EPA 8015D	
Surrogate: 1-Chloro-4-fluorobenzene-FID		104 %		50-150	1749002	12/04/17	12/04/17	EPA 8015D	
Surrogate: n-Nonane		99.2 %		50-200	1749009	12/05/17	12/05/17	EPA 8015D	
<b>Anions by 300.0</b>									
Chloride	183	20.0	mg/kg	1	1749006	12/04/17	12/04/17	EPA 300.0	
<b>Total Petroleum Hydrocarbons by 418.1</b>									
Total Petroleum Hydrocarbons	2320	200	mg/kg	5	1749011	12/05/17	12/06/17	EPA 418.1	

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

### 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
<b>Batch 1749002 - Purge and Trap EPA 5030A</b>										
<b>Blank (1749002-BLK1)</b>				Prepared & Analyzed: 04-Dec-17						
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	8.10		"	8.00		101	50-150			
<b>LCS (1749002-BS1)</b>				Prepared & Analyzed: 04-Dec-17						
Benzene	4.48	0.10	mg/kg	5.00		89.6	70-130			
Toluene	4.46	0.10	"	5.00		89.3	70-130			
Ethylbenzene	4.52	0.10	"	5.00		90.5	70-130			
p,m-Xylene	9.00	0.20	"	10.0		90.1	70-130			
o-Xylene	4.45	0.10	"	5.00		89.0	70-130			
Total Xylenes	13.5	0.10	"	15.0		89.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.29		"	8.00		104	50-150			
<b>Matrix Spike (1749002-MS1)</b>				Source: F712002-06	Prepared & Analyzed: 04-Dec-17					
Benzene	3.97	0.10	mg/kg	5.00	ND	79.4	54.3-133			
Toluene	3.94	0.10	"	5.00	ND	78.9	61.4-130			
Ethylbenzene	3.98	0.10	"	5.00	ND	79.6	61.4-133			
p,m-Xylene	7.93	0.20	"	10.0	ND	79.3	63.3-131			
o-Xylene	3.91	0.10	"	5.00	ND	78.3	63.3-131			
Total Xylenes	11.8	0.10	"	15.0	ND	79.0	63.3-131			
Surrogate: 4-Bromochlorobenzene-PID	8.17		"	8.00		102	50-150			
<b>Matrix Spike Dup (1749002-MSD1)</b>				Source: F712002-06	Prepared & Analyzed: 04-Dec-17					
Benzene	4.69	0.10	mg/kg	5.00	ND	93.9	54.3-133	16.7	20	
Toluene	4.67	0.10	"	5.00	ND	93.3	61.4-130	16.8	20	
Ethylbenzene	4.72	0.10	"	5.00	ND	94.5	61.4-133	17.0	20	
p,m-Xylene	9.39	0.20	"	10.0	ND	93.9	63.3-131	16.9	20	
o-Xylene	4.63	0.10	"	5.00	ND	92.7	63.3-131	16.8	20	
Total Xylenes	14.0	0.10	"	15.0	ND	93.5	63.3-131	16.8	20	
Surrogate: 4-Bromochlorobenzene-PID	8.16		"	8.00		102	50-150			

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

### 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
<b>Batch 1749002 - Purge and Trap EPA 5030A</b>										
<b>Blank (1749002-BLK1)</b>				Prepared & Analyzed: 04-Dec-17						
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.24		"	8.00		103	50-150			
<b>LCS (1749002-BS2)</b>				Prepared & Analyzed: 04-Dec-17						
Gasoline Range Organics (C6-C10)	40.0	20.0	mg/kg	50.0		80.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.35		"	8.00		104	50-150			
<b>Matrix Spike (1749002-MS2)</b>				Source: P712002-06		Prepared & Analyzed: 04-Dec-17				
Gasoline Range Organics (C6-C10)	44.0	20.0	mg/kg	50.0	ND	88.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.00		"	8.00		100	50-150			
<b>Matrix Spike Dup (1749002-MSD2)</b>				Source: P712002-06		Prepared & Analyzed: 04-Dec-17				
Gasoline Range Organics (C6-C10)	40.5	20.0	mg/kg	50.0	ND	81.0	70-130	8.28	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.02		"	8.00		100	50-150			

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Thompson Engineering	Project Name:	Lindrith 24M	Reported: 06-Dec-17 15:53
7415 E. Main St	Project Number:	07173-0001	
Farmington NM, 87402	Project Manager:	Mike Colcy	

### 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
<b>Batch 1749009 - DRO Extraction EPA 3570</b>										
<b>Blank (1749009-BLK1)</b>				Prepared & Analyzed: 05-Dec-17						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	"							
Surrogate: n-Nonane	46.6		"	50.0		93.3	50-200			
<b>LCS (1749009-BS1)</b>				Prepared & Analyzed: 05-Dec-17						
Diesel Range Organics (C10-C28)	472	25.0	mg/kg	500		94.4	38-132			
Surrogate: n-Nonane	47.9		"	50.0		95.9	50-200			
<b>Matrix Spike (1749009-MS1)</b>				Source: P712002-01	Prepared & Analyzed: 05-Dec-17					
Diesel Range Organics (C10-C28)	564	25.0	mg/kg	500	61.0	101	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.7	50-200			
<b>Matrix Spike Dup (1749009-MSD1)</b>				Source: P712002-01	Prepared & Analyzed: 05-Dec-17					
Diesel Range Organics (C10-C28)	555	25.0	mg/kg	500	61.0	98.9	38-132	1.59	20	
Surrogate: n-Nonane	47.6		"	50.0		95.3	50-200			

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

**Anions by 300.0 - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch 1749006 - Anion Extraction EPA 300.0/9056A</b>										
<b>Blank (1749006-BLK1)</b>										
					Prepared & Analyzed: 04-Dec-17					
Chloride	ND	20.0	mg/kg							
<b>LCS (1749006-BS1)</b>										
					Prepared & Analyzed: 04-Dec-17					
Chloride	253	20.0	mg/kg	250		101	90-110			
<b>Matrix Spike (1749006-MS1)</b>										
					Source: P712002-01 Prepared & Analyzed: 04-Dec-17					
Chloride	381	20.0	mg/kg	250	120	105	80-120			
<b>Matrix Spike Dup (1749006-MSD1)</b>										
					Source: P712002-01 Prepared & Analyzed: 04-Dec-17					
Chloride	380	20.0	mg/kg	250	120	104	80-120	0.294	20	

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Thompson Engineering 7415 E. Main St Farmington NM, 87402	Project Name: Lindrith 24M Project Number: 07173-0001 Project Manager: Mike Coley	Reported: 06-Dec-17 15:53
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**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
<b>Batch 1749011 - 418 Freon Extraction</b>										
<b>Blank (1749011-BLK1)</b>					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Total Petroleum Hydrocarbons	ND	40.0	mg/kg							
<b>LCS (1749011-BS1)</b>					Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Total Petroleum Hydrocarbons	926	40.0	mg/kg	1000		92.6	80-120			
<b>Matrix Spike (1749011-MS1)</b>					Source: P712002-01 Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Total Petroleum Hydrocarbons	1030	40.0	mg/kg	1000	98.0	93.4	70-130			
<b>Matrix Spike Dup (1749011-MSD1)</b>					Source: P712002-01 Prepared: 05-Dec-17 Analyzed: 06-Dec-17					
Total Petroleum Hydrocarbons	1070	40.0	mg/kg	1000	98.0	96.8	70-130	3.24	30	

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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

Project Name: Lindrith 24M  
Project Number: 07173-0001  
Project Manager: Mike Coley

Reported:  
06-Dec-17 15:53

#### 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

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## Project Information

## Chain of Custody

Page \_\_\_\_\_ of \_\_\_\_\_

Client: THOMPSON ENGINEERING & PRO  
 Project: LINDRITH #24M  
 Project Manager: Mike Coley  
 Address: 7415 E. Main St  
 City, State, Zip: FARMINGTON NM 87402  
 Phone: 505 327-4892  
 Email: mcoley@walsheng.net

**Report Attention**  
 Report due by:  
 Attention: Vern Andrews  
 Address: Same  
 City, State, Zip  
 Phone:  
 Email: VERN@walsheng.net

**Lab Use Only**  
 Lab WO# P-712002 Job Number 0-7173-0001  
**TAT**  
 1D X 3D X  
**EPA Program**  
 RCRA X CWA X SDWA

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	GRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	TPH 418.1	State	Remarks
11:00 AM	12-1-17	S	1	West Wall	1	X	X				X	X		
11:05 AM	12-1-17	S	1	South Wall West	2									
11:10	12-1-17	S	1	South Wall East	3									
11:15	12-1-17	S	1	East Wall	4									
11:20	12-1-17	S	1	North Wall East	5									
11:25	12-1-17	S	1	North Wall West	6									
11:30	12-1-17	S	1	Bottom West	7									
11:35	12-1-17	S	1	Bottom East	8									

## Additional Instructions:

*Vig ice in cooler*

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

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) <u>Michael Coley</u>	Date <u>12-1-17</u>	Time <u>1610</u>	Received by: (Signature) <u>Vern Andrews</u>	Date <u>12-1-17</u>	Time <u>1610</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

**Lab Use Only**  
 Received on ice: Y/N  
 T1  T2  T3   
 AVG Temp °C 4.0

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.

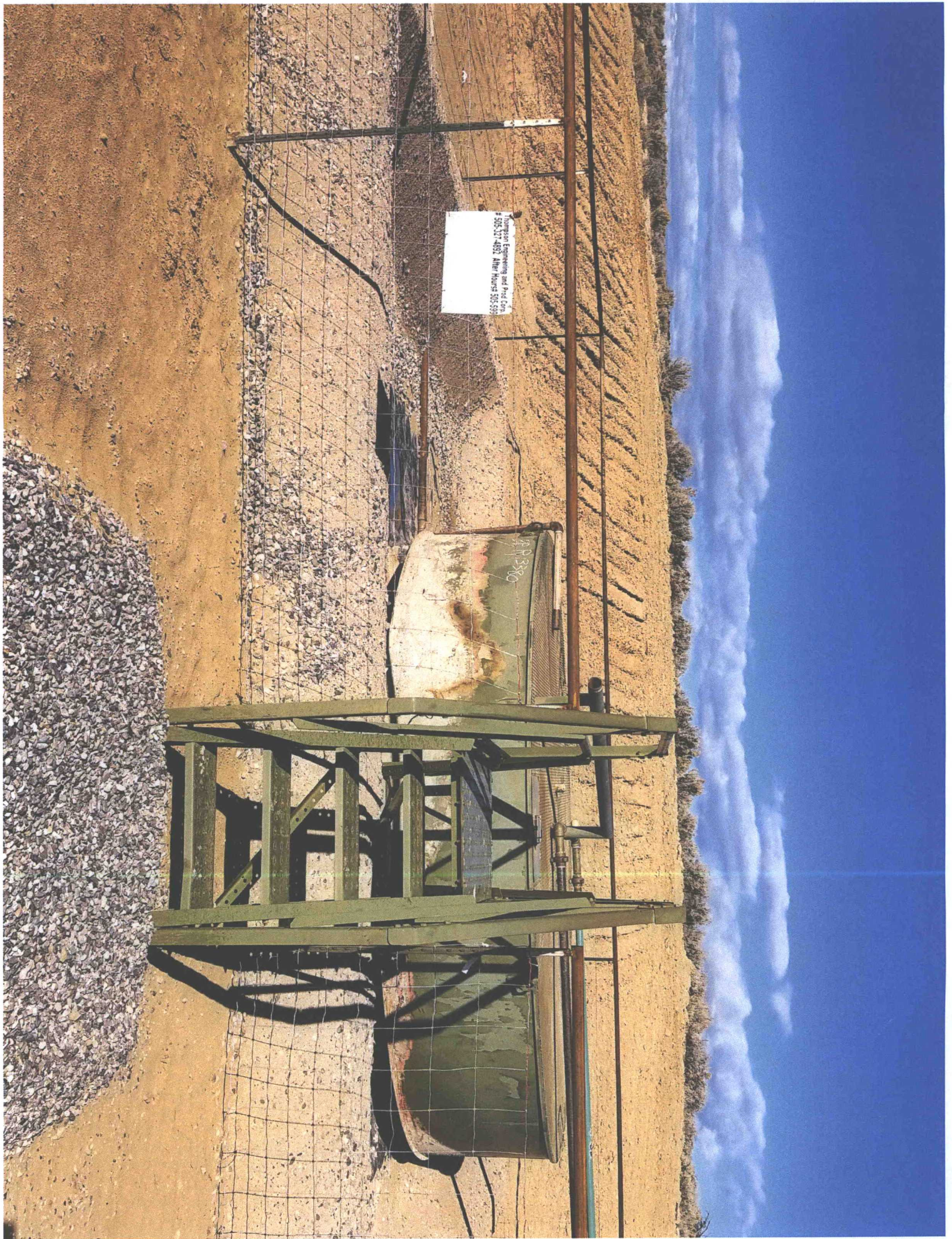


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envirotech.com  
 info@envirotech.com

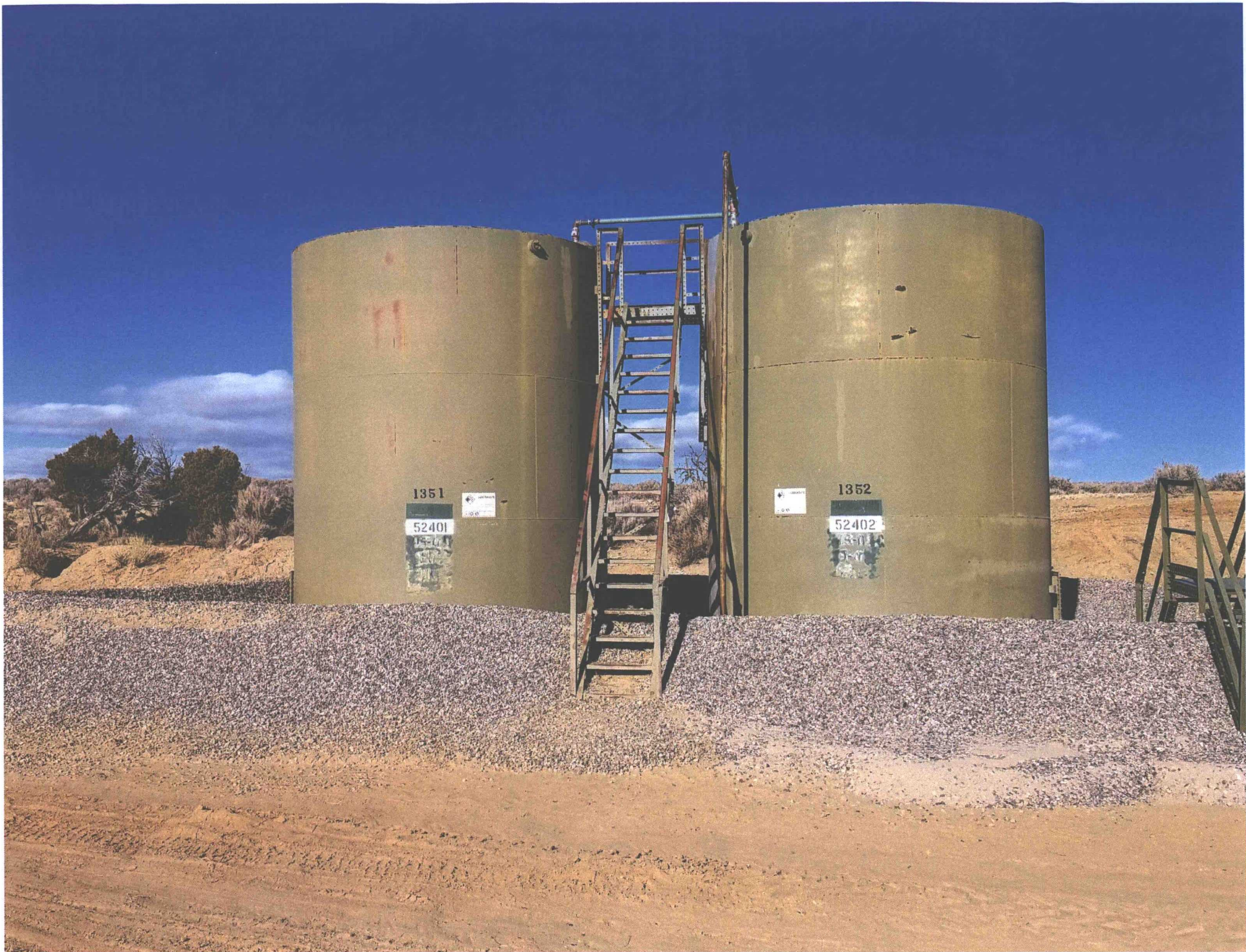


















District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-141  
Revised August 8, 2011

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

### Release Notification and Corrective Action

#### OPERATOR

☒ Initial Report ☐ Final Report

Name of Company – Thompson Engineering & Production	Contact – Vern Andrews	
Address – 7415 East Main St., Farmington, NM 87410	Telephone No. – 505-327-4892 or 505-320-1763 (cell)	
Facility Name – Lindrith #24M	Facility Type – Producing Natural Gas Well	
Surface Owner - BLM	Mineral Owner - Federal	API No. – 30-039-23137

#### LOCATION OF RELEASE

Unit Letter K	Section 4	Township 26N	Range 7W	Feet from the	North/South Line	Feet from the	East/West Line	County San Juan
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Latitude N36.51253 Longitude W107.583984

#### NATURE OF RELEASE

Type of Release – Crude Oil	Volume of Release – 121.67 bbls	Volume Recovered – 63.34 bbls
Source of Release – Production Oil Tank drain valve	Date and Hour of Occurrence – 11/13 – 11/14/17	Date and Hour of Discovery 11/14/17 @ 1320 hrs
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD called Walsh Engineering office @ 1320 hrs on 11/14/17. Called Vanessa Fields with NMOCD on 11/15/17 @ 1116 hrs. Left voice message @ 1522 hrs on 11/15/17 at Farmington BLM office for Whitney Thomas – Environmental Specialist. Spoke with Whitney Thomas @ 0630 hrs on 11/16/17.	
By Whom? Vern Andrews	Date and Hour – NMOCD – John Durham notified Walsh @ 1320 hrs 11/14/17	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\*  
NA – Watercourse was not impacted.

#### Describe Cause of Problem and Remedial Action Taken.\*

11-13-17 – Mathew Gurule performed a water drain on tank #52402 to prep tank for an oil sale. Beginning gauge was 11'-10" – 236.69 bbls, ending gauge 11'-8" – 233.35 bbls, 3.35 bbls of water drained. Drain valve was shut off and sealed and Mathew Gurule left location. On 11/14/17 John Durham with NMOCD arrived on location to find that the drain valve had leaked the oil from tank #52402 to the below grade pit tank, overflowing the pit tank and filling the below grade, unlined sump. No oil left the BGT containment. NMOCD notified Walsh office and Mike Coley (foreman) responded to location. Vac truck was called and all recoverable oil was put into tank 52401. Estimated recovered barrels – 63.34 bbls, estimated lost barrels – 93.33 bbls. The remedial plan is to remove the BGT and dig out all contaminated soil and haul to Envirotech Landfarm for remediation.

#### Describe Area Affected and Cleanup Action Taken.\*

Area affected was inside the BGT containment, an area 20 feet long by 20 feet wide.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature:

Printed Name: Vern O. Andrews		Approved by Environmental Specialist:	
Title: Production Superintendent		Approval Date:	Expiration Date:
E-mail Address: vern@walsheng.net		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 11/16/17                      Phone: 505-327-4892			

\* Attach Additional Sheets If Necessary



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">SJ 02402</a>		RA		2	3	3	05	26N	07W	266831	4043786*	1777	36	18	18

Average Depth to Water: 18 feet

Minimum Depth: 18 feet

Maximum Depth: 18 feet

Record Count: 1

## Basin/County Search:

Basin: San Juan

County: Rio Arriba

## UTMNAD83 Radius Search (in meters):

Easting (X): 268604.81

Northing (Y): 4043903.57

Radius: 2000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

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Energy Minerals and Natural Resources

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Form C-138  
Revised August 1, 2011

\*Surface Waste Management Facility Operator  
and Generator shall maintain and make this  
documentation available for Division inspection.

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

<b>1. Generator Name and Address:</b> Thompson Engineering and Production, 7415 E. Main St., Farmington, NM 87402	
<b>2. Originating Site:</b> Lindrith #24M	
<b>3. Location of Material (Street Address, City, State or ULSTR):</b> Unit Letter K, Sect 4, T26N, R07W	
<b>4. Source and Description of Waste: Contaminated soil from over run pit</b>  Estimated Volume <u>TBD</u> yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd <sup>3</sup> / bbls	
<b>5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS</b> I, <u>Michael P. Coley</u> , representative or authorized agent for <u>Thompson Engineering and Production</u> do hereby <b>PRINT &amp; SIGN NAME</b> <u>[Signature]</u> <b>COMPANY NAME</b> certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)  <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load  <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)  <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4)  <b>GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS</b> I, <u>Michael P. Coley</u> , representative for <u>Thompson Engineering and Production</u> authorize Envirotech to <b>Generator Signature</b> <u>[Signature]</u> complete the required testing/sign the Generator Waste Testing Certification.  I, _____, representative for _____ do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.	
<b>5. Transporter: Various</b>	

### OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: #43 Road 7175, South of Bloomfield NM

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

### Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_  
Surface Waste Management Facility Authorized Agent

TELEPHONE NO.: \_\_\_\_\_



**vern@walsheng.net**

---

**From:** Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>  
**Sent:** Wednesday, December 6, 2017 9:43 PM  
**To:** vern@walsheng.net; l1thomas@blm.gov  
**Cc:** Mike Coley  
**Subject:** Re: Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Vern,

The OCD grants approval for backfill.

Thank you,

Vanessa Fields

Sent via the Samsung Galaxy S®6 active, an AT&T 4G LTE smartphone

----- Original message -----

From: vern@walsheng.net  
Date: 12/6/17 7:03 PM (GMT-07:00)  
To: "Fields, Vanessa, EMNRD" <Vanessa.Fields@state.nm.us>, l1thomas@blm.gov  
Cc: Mike Coley <mcoley@walsheng.net>  
Subject: Thompson - Lindrith #24M Soil Analysis P712002A 12-1-17.pdf

Vanessa & Whitney,

The attached soil sample analysis from the Thompson - Lindrith #24M (30-039-23137) cleanup. The analysis is well below the 5000 ppm site evaluation. Can we proceed with backfilling the dig site, reset equipment and put the well back on production?

Thank you,  
Vern Andrews  
505-320-1763  
vern@walsheng.net

vern@walsheng.net

---

**From:** Adelaye, Abiodun <aadeloye@blm.gov>  
**Sent:** Thursday, December 7, 2017 9:27 AM  
**To:** vern@walsheng.net  
**Subject:** Thompson - Lindrith #24M

Hi Vern, you can backfill the location.  
Thanks

--  
*Abiodun Adelaye (Emmanuel)*  
Natural Resource Specialist  
6251 College Blvd. Suite A  
BLM - FFO  
Phone: 505-564-7665  
Cell #: 505-635-0984



Lindith # 24M

X-400X SOIL  
SAMPLE SITES  
(COMPOSITE)

EXCAVATED AREA

30-089-23157

LINDRITH # 24M

