

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

Form C-141  
Revised August 8, 2011

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

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<br>K | Section<br>4 | Township<br>26N | Range<br>7W | Feet from the | North/South Line | Feet from the | East/West Line | County<br>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 –<br>11/13 – 11/14/17  | Date and Hour of Discovery<br>11/14/17 @ 1320 hrs |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>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?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.<br>NA  |   |

**NMOCD**

**MAR 05 2018**

**DISTRICT III**

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.

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## 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:

Date: 12/6/17

Walter Hinchman, Laboratory Director

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<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported:<br>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. |

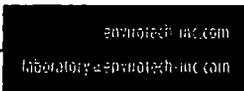
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

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

| Reporting                                      |        |        |       |          |         |          |          |           |       |
|--|--------|--------|-------|----------|---------|----------|----------|-----------|-------|
| Analyte  | Result | Limit  | Units | Dilution | Batch   | Prepared | Analyzed | Method    | Notes |
| <b>Volatiles 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 |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>     |        | 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 |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> |        | 102 %  |       | 50-150   | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |       |
| <i>Surrogate: n-Nonane</i>                     |        | 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 |       |

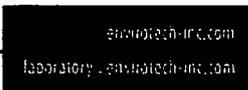
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

**South Wall West  
P712002-02 (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          |        | 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)              | 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>Anions by 300.0</b>                       |        |        |       |          |         |          |          |           |       |
| Chloride                                     | 101    | 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                 | 198    | 40.0   | mg/kg | 1        | 1749011 | 12/05/17 | 12/06/17 | EPA 418.1 |       |

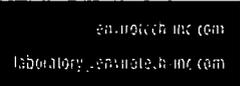
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

**South Wall East  
P712002-03 (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-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 |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>          |        | 101 %  |       | 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)                     | 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 |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>      |        | 104 %  |       | 50-150   | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |       |
| <i>Surrogate: n-Nonane</i>                          |        | 94.3 % |       | 50-200   | 1749009 | 12/05/17 | 12/05/17 | EPA 8015D |       |
| <b><u>Anions by 300.0</u></b>                       |        |        |       |          |         |          |          |           |       |
| Chloride  | 175    | 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                        | 80.0   | 40.0   | mg/kg | 1        | 1749011 | 12/05/17 | 12/06/17 | EPA 418.1 |       |

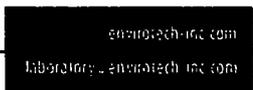
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

**East Wall  
P712002-04 (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                                   | 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 |       |

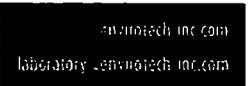
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

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

| Reporting |        |       |       |          |       |          |          |        |       |
|-----------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
| Analyte   | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

**Volatile Organics by EPA 8021**

|  |    |        |       |        |         |          |          |           |  |
|--|----|--------|-------|--------|---------|----------|----------|-----------|--|
| 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 |  |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> |    | 99.6 % |       | 50-150 | 1749002 | 12/04/17 | 12/04/17 | EPA 8021B |  |

**Nonhalogenated Organics by 8015**

|  |    |        |       |        |         |          |          |           |  |
|--|----|--------|-------|--------|---------|----------|----------|-----------|--|
| 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 |  |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> |    | 97.0 % |       | 50-150 | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |  |
| <i>Surrogate: n-Nonane</i>                     |    | 92.0 % |       | 50-200 | 1749009 | 12/05/17 | 12/06/17 | EPA 8015D |  |

**Anions by 300.0**

|          |     |      |       |   |         |          |          |           |  |
|----------|-----|------|-------|---|---------|----------|----------|-----------|--|
| Chloride | 340 | 20.0 | mg/kg | 1 | 1749006 | 12/04/17 | 12/04/17 | EPA 300.0 |  |
|----------|-----|------|-------|---|---------|----------|----------|-----------|--|

**Total Petroleum Hydrocarbons by 418.1**

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

**North Wall West  
P712002-06 (Solid)**

| Reporting |        |       |       |          |       |          |          |        |       |
|-----------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
| Analyte   | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

**Volatile Organics by EPA 8021**

|  |    |       |       |        |         |          |          |           |  |
|--|----|-------|-------|--------|---------|----------|----------|-----------|--|
| 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 |  |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i> |    | 101 % |       | 50-150 | 1749002 | 12/04/17 | 12/04/17 | EPA 8021B |  |

**Nonhalogenated Organics by 8015**

|  |    |        |       |        |         |          |          |           |  |
|--|----|--------|-------|--------|---------|----------|----------|-----------|--|
| 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 |  |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FTD</i> |    | 98.5 % |       | 50-150 | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |  |
| <i>Surrogate: n-Nonane</i>                     |    | 92.9 % |       | 50-200 | 1749009 | 12/05/17 | 12/05/17 | EPA 8015D |  |

**Anions by 300.0**

|          |      |      |       |   |         |          |          |           |  |
|----------|------|------|-------|---|---------|----------|----------|-----------|--|
| Chloride | 84.8 | 20.0 | mg/kg | 1 | 1749006 | 12/04/17 | 12/04/17 | EPA 300.0 |  |
|----------|------|------|-------|---|---------|----------|----------|-----------|--|

**Total Petroleum Hydrocarbons by 418.1**

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

**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 |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>     |        | 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 |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> |        | 101 %  |       | 50-150   | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |       |
| <i>Surrogate: n-Nonane</i>                     |        | 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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|---|---|------------------------------|
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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 |       |
| <i>Surrogate: 4-Bromochlorobenzene-FID</i>     |        | 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 |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i> |        | 104 %  |       | 50-150   | 1749002 | 12/04/17 | 12/04/17 | EPA 8015D |       |
| <i>Surrogate: n-Nonane</i>                     |        | 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 |       |

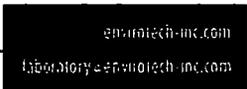
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| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported:<br>06-Dec-17 15:53 |
|---|---|------------------------------|

**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 |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

**Batch 1749002 - Purge and Trap EPA 5030A**

**Blank (1749002-BLK1)**

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 |  |  |  |

**LCS (1749002-BS1)**

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 |  |  |  |

**Matrix Spike (1749002-MS1)**

Source: P712002-06

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   |  |  |  |

**Matrix Spike Dup (1749002-MSD1)**

Source: P712002-06

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<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported:<br>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        | ND  | 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<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported:<br>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 1749009 - DRO Extraction EPA 3570</b> |        |                 |       |   |               |   |             |      |           |       |
| <b>Blank (1749009-BLK1)</b>                    |        |                 |       | <b>Prepared &amp; Analyzed: 05-Dec-17</b> |               |   |             |      |           |       |
| 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>                       |        |                 |       | <b>Prepared &amp; Analyzed: 05-Dec-17</b> |               |   |             |      |           |       |
| 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>              |        |                 |       | <b>Source: P712002-01</b>                 |               | <b>Prepared &amp; Analyzed: 05-Dec-17</b> |             |      |           |       |
| 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>         |        |                 |       | <b>Source: P712002-01</b>                 |               | <b>Prepared &amp; Analyzed: 05-Dec-17</b> |             |      |           |       |
| 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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5796 US Highway 64, Farmington, NM 87401

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported:<br>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        |       |

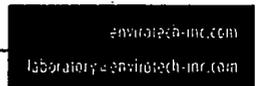
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|   |   |                              |
|---|---|------------------------------|
| Thompson Engineering<br>7415 E. Main St<br>Farmington NM, 87402 | Project Name: Lindrith 24M<br>Project Number: 07173-0001<br>Project Manager: Mike Coley | Reported: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

**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 1749011 - 418 Freon Extraction**

|  |      |      |       |  |      |      |        |      |    |  |
|--|------|------|-------|--|------|------|--------|------|----|--|
| <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 |  |

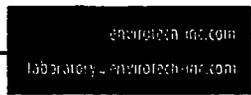
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Thompson Engineering  
7415 E. Main St  
Farmington NM, 87402

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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Ph (970) 259-0615 Fr (800) 362-1879

envirotech inc.com  
laboratory@envirotech inc.com

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# P712002 Job Number 07173-0001  
**TAT**  
 1D  3D  RCRA  CWA  SDWA

**Analysis and Method**  
 GRO/DRO by 8015  GRO/DRO/ORO by 8015  BTEX by 8021  VOC by 8260  Metals 6010  Chloride 300.0  TPH 418.1   
**State**  
 NM  CO  UT  AZ

| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID       | Lab Number | GRO/DRO by 8015 | GRO/DRO/ORO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | TPH 418.1 | 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:** Vis ice in cooler

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

Relinquished by: (Signature) Michael Poley Date 12-1-17 Time 1610 Received by: (Signature) [Signature] Date 12/1/17 Time 1610

Relinquished by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Received by: (Signature) \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

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.

Page 17 of 17



LINDRITH #24M  
30-039-23157



X - APPROX SOIL  
SAMPLE SITES  
(COMPOSITE)

Lindrith # 24M



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

Form C-141  
Revised August 8, 2011

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

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 | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County   |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|----------|
| K           | 4       | 26N      | 7W    |               |                  |               |                | 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?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br>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?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  | If YES, Volume Impacting the Watercourse.<br>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 |
|-----------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <u>SJ 02402</u> |              |       | 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.

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

Form C-138  
Revised August 1, 2011

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

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

### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. **Generator Name and Address:**  
Thompson Engineering and Production, 7415 E. Main St., Farmington, NM 87402

2. **Originating Site:**  
Lindrith #24M

3. **Location of Material (Street Address, City, State or ULSTR):**  
Unit Letter K, Sect 4, T26N, R07W

4. **Source and Description of Waste: Contaminated soil from over run pit**  
Estimated Volume \_\_\_TBD\_\_\_ yd<sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) \_\_\_\_\_ yd<sup>3</sup> / bbls

5. **GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS**  
I, Michael P. Coley, representative or authorized agent for Thompson Engineering and Production do hereby  
**PRINT & SIGN NAME** *[Signature]* **COMPANY NAME**  
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)

RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. Operator Use Only: Waste Acceptance Frequency  Monthly  Weekly  Per Load

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)

MSDS Information  RCRA Hazardous Waste Analysis  Process Knowledge  Other (Provide description in Box 4)

#### GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Michael P. Coley, representative for Thompson Engineering and Production authorize Envirotech to  
**Generator Signature** *[Signature]*  
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.

5. **Transporter: Various**

#### 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: \_\_\_\_\_

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

Surface Waste Management Facility Authorized Agent

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](mailto:vern@walsheng.net)

---

**From:** Adeloje, Abiodun <aadeloje@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 Adeloje (Emmanuel)*  
Natural Resource Specialist  
6251 College Blvd. Suite A  
BLM - FFO  
Phone: 505-564-7665  
Cell #: 505-635-0984