

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

|                |                |
|----------------|----------------|
| Incident ID    | nAPP2105058281 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Release Notification

### Responsible Party

|                         |                                       |                              |                |
|-------------------------|---------------------------------------|------------------------------|----------------|
| Responsible Party       | LOGOS Operating, LLC                  | OGRID                        | 289408         |
| Contact Name            | Marie E. Florez                       | Contact Telephone            | 505-419-8420   |
| Contact email           | mflorez@logosresourcesllc.com         | Incident # (assigned by OCD) | nAPP2105058281 |
| Contact mailing address | 2010 Afton Place, Farmington NM 87401 |                              |                |

### Location of Release Source

Latitude 36.51822 Longitude -107.2956  
(NAD 83 in decimal degrees to 5 decimal places)

|                         |                      |                      |              |
|-------------------------|----------------------|----------------------|--------------|
| Site Name               | Jicarilla 119 N 005A | Site Type            | Well         |
| Date Release Discovered | 2/9/2021             | API# (if applicable) | 30-039-21198 |

| Unit Letter | Section | Township | Range | County     |
|-------------|---------|----------|-------|------------|
| F           | 06      | 26N      | 4W    | Rio Arriba |

Surface Owner: ☐ State ☐ Federal ☒ Tribal ☐ Private (Name: Jicarilla)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Crude Oil             | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
| <input type="checkbox"/> Produced Water        | Volume Released (bbls)   | Volume Recovered (bbls)                                  |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input checked="" type="checkbox"/> Condensate | Volume Released (bbls) +/- 18bbls  | Volume Recovered (bbls) 0bbls                            |
| <input type="checkbox"/> Natural Gas           | Volume Released (Mcf)  | Volume Recovered (Mcf)                                   |
| <input type="checkbox"/> Other (describe)      | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                  |

#### Cause of Release

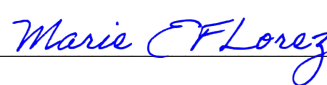
The cause of release was due to a hole on the bottom of the production tank. The production tank is sitting on the ground level. The volume that released was +/- 18bbls of condensate with 0bbls recovered. The estimated calculations are from the beginning gauge level @ 1' 4.5" ending gauge level is 0". The measurement is 24' X 29'. The affected area is inside the berm and the release is contained. The fluid is under all the lines and the BSW line.

|                |                |
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|  |  |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                | If YES, for what reason(s) does the responsible party consider this a major release?<br><br><br><br><br><br><br><br><br><br> |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br><br><br><br><br><br><br><br><br><br> |  |

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

|  |                                     |
|--|-------------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.   |                                     |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><br><br><br><br><br><br><br><br><br>   |                                     |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  |                                     |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. |                                     |
| Printed Name: <u>Marie E. Florez</u>   | Title: <u>Regulatory Specialist</u> |
| Signature: <u></u>  | Date: <u>2/19/2021</u>              |
| email: <u>mflorez@logosresourcesllc.com</u>  | Telephone: <u>505-419-8420</u>      |
| <b><u>OCD Only</u></b><br><br>Received by: _____ Date: _____   |                                     |

|                |                |
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| Application ID |                |

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

|   |   |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release?   | <u>&gt;100</u> (ft bgs)   |
| Did this release impact groundwater or surface water?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?   | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

|                |  |
|----------------|--|
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Marie E. Florez Title: Regulatory Specialist

Signature: Marie E Florez Date: 6/28/2021

email: mflorez@logosresourcesllc.com Telephone: 505-419-8420

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



|                |  |
|----------------|--|
| Incident ID    |  |
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## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

|                |                |
|----------------|----------------|
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| Application ID |                |

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Marie E. Florez Title: Regulatory Specialist

Signature: Marie E Florez Date: 2/19/2021

email: mflorez@logosresourcesllc.com Telephone: 505-419-8420

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Nelson Velez Date: 01/20/2022

Printed Name: Nelson Velez Title: Environmental Specialist – Adv

**From:** [Marie Florez](#)  
**To:** [Smith, Cory, EMNRD](#); [Tami Knight](#); [Felipe Aragon](#); [Yahoo Warning](#)  
**Cc:** [Jason Meechan](#); [Bryan Lovato](#); [Tamra Sessions](#); [Orson Harrison \(orsonharrison@jicarillaoga.com\)](#); [Jason Sandoval](#)  
**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled  
**Date:** Tuesday, March 2, 2021 4:23:00 PM  
**Attachments:** [image002.jpg](#)  
[image003.jpg](#)

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Tami,

LOGOS will need to cancel the following confirmation sample due to still remediating on location.

We would like to re-schedule for Friday March 5, at 10:00am, if possible?

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



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**From:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Sent:** Tuesday, March 2, 2021 10:56 AM  
**To:** Marie Florez <mflorez@logosresourcesllc.com>; Tami Knight <TKnight@envirotech-inc.com>; Felipe Aragon <faragon@envirotech-inc.com>; Yahoo Warning <kcmawell@yahoo.com>  
**Cc:** Jason Meechan <jmeechan@logosresourcesllc.com>; Bryan Lovato <blovato@logosresourcesllc.com>; Tamra Sessions <tsessions@logosresourcesllc.com>; Orson Harrison (orsonharrison@jicarillaoga.com) <orsonharrison@jicarillaoga.com>; Jason Sandoval <jasonsandoval@jicarillaoga.com>  
**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling

Marie,

OCD approves the alternative sampling notification time with the following condition

- Surface owner must also be ok with the sample time/date

Please include this and the surfaces owner approval in your final c-141 report. OCD will not send a hard copy approval so please keep this email for your records.

OCD approval does not relieve Logos of any other requirements imposed by other regulatory agencies.

**Cory Smith** • Environmental Specialist  
Environmental Bureau

EMNRD - Oil Conservation Division  
1000 Rio Brazos | Aztec, NM 87410  
505.334.6178 x115 | [Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>

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**From:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>  
**Sent:** Tuesday, March 2, 2021 10:44 AM  
**To:** Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>;  
Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>; Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato  
<[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson  
Harrison (<[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval  
<[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>  
**Subject:** [EXT] Jicarilla 119 N 5A - Notification for final sampling

**LOGOS is notifying OCD and Jicarilla (one) business day prior to conducting final sampling on the following well.**

**Date: March 3, 2021 (Wednesday)**  
**Time: 10:00am**

**Incident # nAPP2105058281**

**API: 30-039-21198**  
**Well Name: Jicarilla 119 N 5A**  
**Section:06**  
**Township:26N**  
**Range: 4W**  
**Unit Letter: F**  
**36.51822, -107.2956**

**Release:**

This release was discovered on February 9, 2021 at 2:30pm. The cause of release is due to a hole on the bottom of the production tank. The production tank is sitting on the ground level. The volume that released was +/- 18bbls of condensate with 0bbls recovered. The estimated calculations are from the beginning gauge level @ 1' 4.5" ending gauge level is 0". The measurement is 24' X 29'. The affected area is inside the berm and the release is contained. The fluid is under all the lines and the BSW line.

Kelly Oilfield removed the fence and production tank and begin digging on the affected area with the contaminated soil. Kelly Services hauled off and disposed 20 yards of soil at Envirotech Land farm. Will dispose a total of 40 yards, today.

Thanks,

*Marie E. Florez*

Regulatory Specialist

Cell: 505-419-8420

Office: 505-787-2218

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



**From:** [Smith, Cory, EMNRD](#)  
**To:** [Marie Florez](#); [Tamra Sessions](#); [Felipe Aragon](#); [Keith Manwell-JIC EPO \(kcmanwell@yahoo.com\)](#)  
**Cc:** [Jason Meechan](#); [Bryan Lovato](#); [Tamra Sessions](#); [Orson Harrison \(orsonharrison@jicarillaoga.com\)](#); [Jason Meechan](#); [Etta Trujillo](#)  
**Subject:** RE: Jicarilla 119 N 5A - Notification for final spray  
**Date:** Thursday, April 8, 2021 3:26:44 PM  
**Attachments:** [image001.jpg](#)

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Marie,

Thank you for the notice, Please make sure you get written approval from JANEPO and/or JANOGA for the application of potassium permanganate and include that in your final C-141.

Thanks,

**Cory Smith** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1000 Rio Brazos | Aztec, NM 87410  
505.334.6178 x115 | [Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>

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**From:** Marie Florez <mflorez@logosresourcesllc.com>  
**Sent:** Thursday, April 8, 2021 1:47 PM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Tamra Sessions <tsessions@logosresourcesllc.com>; Felipe Aragon <faron@envirotech-inc.com>; Keith Manwell-JIC EPO (kcmanwell@yahoo.com) <kcmanwell@yahoo.com>  
**Cc:** Jason Meechan <jmeechan@logosresourcesllc.com>; Bryan Lovato <blovato@logosresourcesllc.com>; Tamra Sessions <tsessions@logosresourcesllc.com>; Orson Harrison (orsonharrison@jicarillaoga.com) <orsonharrison@jicarillaoga.com>; Jason Meechan <jmeechan@logosresourcesllc.com>; Etta Trujillo <etrujillo@logosresourcesllc.com>  
**Subject:** [EXT] RE: Jicarilla 119 N 5A - Notification for final spray  
**Importance:** High

Cory, Tami and Kurt,  
LOGOS is notifying OCD and Jicarilla (one) business day prior to conducting a final spray of potassium permanganate on the bottom of the dig out, upon receiving passing sample results from the side walls, later today.  
If the results fail, then LOGOS will re-schedule at a later date.  
We would like to **re-schedule for Friday April 9 at 9:00am.**

Thanks,

*Marie E. Florez*  
[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



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**From:** Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>  
**Sent:** Tuesday, March 30, 2021 8:01 AM  
**To:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>  
**Cc:** Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Brittany Hall <[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)>  
**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Re-schedule

We have you on the schedule.

Tami

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**From:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>  
**Sent:** Tuesday, March 30, 2021 7:57 AM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison (<[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)> <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>  
**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Re-schedule

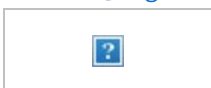
Cory, Tami and Kurt,  
LOGOS is notifying OCD and Jicarilla (one) business day prior to conducting final sampling on the following well.

We would like to **re-schedule for Wednesday March 31 at 10:00am.**

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



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**From:** Marie Florez  
**Sent:** Thursday, March 18, 2021 9:16 AM  
**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>  
**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison (<[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)> <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval

<[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>

**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled once again

Cory, Tami, and Kurt,

LOGOS will re-schedule once weather clears out and all contractors can safely continue work.

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



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**From:** Marie Florez

**Sent:** Monday, March 15, 2021 6:32 PM

**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison ([orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>

**Subject:** Re: Jicarilla 119 N 5A - Notification for final sampling - Cancelled once again and Rescheduled

Cory, Tami and Kurt,

LOGOS will need to cancel the following confirmation sample due to remediating on location.

We would like to **tentatively re-schedule for Friday March 19 at 1:00pm, if remediation is complete.**

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)

<image001.jpg>

---

**From:** Marie Florez



**Sent:** Monday, March 8, 2021 2:17 PM

**To:** 'Smith, Cory, EMNRD' <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; 'Tami Knight' <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; 'Felipe Aragon' <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; 'Yahoo Warning' <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; 'Orson Harrison' ([orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; 'Jason Sandoval' <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>; Etta Trujillo <[etrujillo@logosresourcesllc.com](mailto:etrujillo@logosresourcesllc.com)>

**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled once again.

Cory, Tami and Kurt,

LOGOS will need to cancel the following confirmation sample due to remediating on location.

We would like to **tentatively re-schedule for Friday March 12, at 1:00pm, if remediation is complete.**

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)

<image001.jpg>

---

**From:** Marie Florez

**Sent:** Thursday, March 4, 2021 2:59 PM

**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison ([orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>

**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled once again.

**Importance:** High

Cory, Tami and Kurt,

LOGOS will need to cancel the following confirmation sample due to still remediating on location.

We would like to **tentatively re-schedule for Tuesday March 9, at 10:00am, if remediation is complete.**

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)

<image001.jpg>

---

**From:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>

**Sent:** Wednesday, March 3, 2021 8:12 AM

**To:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison (<[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)> <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>); Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>

**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled

All,

OCD is ok with the proposed time.

Thank you for the update.

**Cory Smith • Environmental Specialist**

Environmental Bureau

EMNRD - Oil Conservation Division

1000 Rio Brazos | Aztec, NM 87410

505.334.6178 x115 | [Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)

<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>

**Sent:** Tuesday, March 2, 2021 4:24 PM

**To:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison (<[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)> <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>); Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>

**Subject:** [EXT] RE: Jicarilla 119 N 5A - Notification for final sampling - Cancelled

Tami,

LOGOS will need to cancel the following confirmation sample due to still remediating on location.

We would like to re-schedule for Friday March 5, at 10:00am, if possible?

Thanks,

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)

<image002.jpg>

---

**From:** Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>

**Sent:** Tuesday, March 2, 2021 10:56 AM

**To:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>; Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmawell@yahoo.com](mailto:kcmawell@yahoo.com)>

**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison ([orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>

**Subject:** RE: Jicarilla 119 N 5A - Notification for final sampling

Marie,

OCD approves the alternative sampling notification time with the following condition

- Surface owner must also be ok with the sample time/date

Please include this and the surfaces owner approval in your final c-141 report. OCD will not send a hard copy approval so please keep this email for your records.

OCD approval does not relieve Logos of any other requirements imposed by other regulatory agencies.

**Cory Smith • Environmental Specialist**

Environmental Bureau

EMNRD - Oil Conservation Division

1000 Rio Brazos | Aztec, NM 87410

505.334.6178 x115 | [Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)

<http://www.emnrd.state.nm.us/OCD/>

**From:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>  
**Sent:** Tuesday, March 2, 2021 10:44 AM  
**To:** Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>; Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>; Yahoo Warning <[kcmanwell@yahoo.com](mailto:kcmanwell@yahoo.com)>; Smith, Cory, EMNRD <[Cory.Smith@state.nm.us](mailto:Cory.Smith@state.nm.us)>  
**Cc:** Jason Meechan <[jmeechan@logosresourcesllc.com](mailto:jmeechan@logosresourcesllc.com)>; Bryan Lovato <[blovato@logosresourcesllc.com](mailto:blovato@logosresourcesllc.com)>; Tamra Sessions <[tsessions@logosresourcesllc.com](mailto:tsessions@logosresourcesllc.com)>; Orson Harrison ([orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)) <[orsonharrison@jicarillaoga.com](mailto:orsonharrison@jicarillaoga.com)>; Jason Sandoval <[jasonsandoval@jicarillaoga.com](mailto:jasonsandoval@jicarillaoga.com)>  
**Subject:** [EXT] Jicarilla 119 N 5A - Notification for final sampling

**LOGOS is notifying OCD and Jicarilla (one) business day prior to conducting final sampling on the following well.**

**Date: March 3, 2021 (Wednesday)**  
**Time: 10:00am**

**Incident # nAPP2105058281**

**API: 30-039-21198**  
**Well Name: Jicarilla 119 N 5A**  
**Section:06**  
**Township:26N**  
**Range: 4W**  
**Unit Letter: F**  
**36.51822, -107.2956**

**Release:**

This release was discovered on February 9, 2021 at 2:30pm. The cause of release is due to a hole on the bottom of the production tank. The production tank is sitting on the ground level. The volume that released was +/- 18bbbls of condensate with 0bbbls recovered. The estimated calculations are from the beginning gauge level @ 1' 4.5" ending gauge level is 0". The measurement is 24' X 29'. The affected area is inside the berm and the release is contained. The fluid is under all the lines and the BSW line.

Kelly Oilfield removed the fence and production tank and begin digging on the affected area with the contaminated soil. Kelly Services hauled off and disposed 20 yards of soil at Envirotech Land farm. Will dispose a total of 40 yards, today.

Thanks,

*Marie E. Florez*  
Regulatory Specialist  
Cell: 505-419-8420  
Office: 505-787-2218

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)

<image003.jpg>

**From:** [Yahoo Warning](#)  
**To:** [Marie Florez](#)  
**Subject:** Re: Logos, Jicarilla 119 NSA Confirmation Sampling, E104001 Final Report  
**Date:** Friday, April 9, 2021 6:33:43 AM

---

Good Morning Marie,

After review of lab analysis for the Jicarilla 119 NSA, Jicarilla Apache Nation Environmental Protection Office (JAN-EPO) is recommending NOT to use Potassium Chloride as proposed in the work plan. Due to the non-detect of contaminants. Logo's can proceed with backfilling the excavation. A job well done! Thank You Logo's for You continued Cooperation.

Thank You,  
K.C. Manwell, Environmental Specialist  
Jicarilla Apache Nation Environmental Protection Office  
505-330-8031

On Friday, April 9, 2021, 05:55:31 AM MDT, Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)> wrote:

Please see attached.  
Final results passed.

Sent from my iPhone

Begin forwarded message:

**From:** Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>  
**Date:** April 9, 2021 at 5:30:07 AM MDT  
**To:** Marie Florez <[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)>  
**Cc:** Brittany Hall <[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)>  
**Subject:** Fwd: Logos, Jicarilla 119 NSA Confirmation Sampling, E104001 Final Report

Felipe Aragon  
Sent from my iPhone

Begin forwarded message:

From: Raina Schwanz <[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)>  
Date: April 8, 2021 at 5:29:41 PM MDT  
To: Felipe Aragon <[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)>, Tami Knight <[TKnight@envirotech-inc.com](mailto:TKnight@envirotech-inc.com)>, Greg Crabtree <[gcrabtree@envirotech-inc.com](mailto:gcrabtree@envirotech-inc.com)>, Brittany Hall <[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)>, Isaac Garcia <[igarcia@envirotech-inc.com](mailto:igarcia@envirotech-inc.com)>, Damon Carter <[dcarter@envirotech-inc.com](mailto:dcarter@envirotech-inc.com)>, Matthew Florez Fitt <[mflorezfitt@envirotech-inc.com](mailto:mflorezfitt@envirotech-inc.com)>, enviro admin <[enviroadmin@envirotech-inc.com](mailto:enviroadmin@envirotech-inc.com)>  
Cc: Alexa Michaels <[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)>, Walter Hinchman <[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)>, Lynn Estes <[lestes@envirotech-inc.com](mailto:lestes@envirotech-inc.com)>  
Subject: Logos, Jicarilla 119 NSA Confirmation Sampling, E104001 Final Report

Felipe et al,

Thank you for Choosing Envirotech Analytical Laboratory. Attached is the final report for the "Jicarilla 119 NSA Confirmation Sampling" project. Let us know if you have any questions. Envirotech Analytical Laboratory welcomes your feedback. Please visit the survey site below to let us know how we are doing and how we can better serve you.  
<https://www.surveymonkey.com/r/D5GZ9P5>

Raina Schwanz  
Envirotech Analytical Laboratory  
Laboratory Administrator / Analyst  
Office 505-632-0615  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)<<mailto:rainaschwanz@envirotech-inc.com>>  
5796 U.S. Highway 64, Farmington NM 87401

[1454514162794\_PastedImage]

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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-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><br>LOGOS Operating, LLC<br>2010 Afton Place, Farmington NM 87401   | February 9, 2021 |
| <b>2. Originating Site:</b><br>Jicarilla 119 N 5A API: 30-039-21198  |                  |
| <b>3. Location of Material (Street Address, City, State or ULSTR):</b><br>UL: F Sec: 06 T26N R04W  |                  |
| <b>4. Source and Description of Waste:</b><br>Dirt with condensate   |                  |
| Estimated Volume <u>&gt;10yds</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><br>I, <u>Marie E. Florez</u> , representative or authorized agent for <u>LOGOS Operating, LLC</u> do hereby 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)<br><br><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 type="checkbox"/> Per Load<br><br><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)<br><br><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><br>I, <u>Marie E. Florez</u> , representative for <u>LOGOS Operating, LLC</u> 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:</b><br>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



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-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><br>LOGOS Operating, LLC<br>2010 Afton Place, Farmington NM 87401  | March 10, 2021 |
| <b>2. Originating Site:</b><br>Jicarilla 119 N 5A API: 30-039-21198   |                |
| <b>3. Location of Material (Street Address, City, State or ULSTR):</b><br>UL: F Sec: 06 T26N R04W   |                |
| <b>4. Source and Description of Waste:</b><br>Dirt with condensate  |                |
| Estimated Volume <u>&gt;10yds</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><br>I, <u>Marie E. Florez</u> , representative or authorized agent for <u>LOGOS Operating, LLC</u> do hereby 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)<br><br><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 checked="" type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input type="checkbox"/> Per Load<br><br><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)<br><br><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><br>I, <u>Marie E. Florez</u> , representative for <u>LOGOS Operating, LLC</u> 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:</b><br>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

# Release Confirmation Sampling Report

## Jicarilla 119N-5A

API #30-039-21198

Section 6, T26N, R4W

Rio Arriba County, New Mexico

NMOCD Incident #nAPP2105058281

May 5, 2021

Project #12035-0163



Ms. Marie Florez  
2010 Afton Place  
Farmington, New Mexico

Phone: (505) 787-2218

E-mail: [mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



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Logos Operating, LLC  
Jicarilla 119N-5A  
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API #30-039-21198  
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Rio Arriba County, New Mexico

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## Introduction

Envirotech, Inc. (Envirotech) of Farmington, New Mexico, was contracted by Logos Operating, LLC (Logos) to provide sampling activities for the closure of a remediation excavation at the Jicarilla 119N-5A well site (API: 30-039-21198). The site is located within Unit F, Section 6, Township 26 North, Range 4 West, Rio Arriba County, New Mexico; see **Figure 1, Vicinity Map**.

The release was the result of a hole located on the bottom of the production tank and consisted of an estimated loss of 18 barrels (bbls) of condensate.

## Regulatory Standards

The following closure criteria from 19.15.29.12 NMAC were applied:

| Constituent  | Method           | Limit     |
|--|------------------|-----------|
| Chloride   | EPA 300.0        | 600 mg/kg |
| Total Petroleum Hydrocarbons (TPH)                   | EPA Method 8015D | 100 mg/kg |
| Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) | EPA Method 8021B | 50 mg/kg  |
| Benzene  | EPA Method 8021B | 10 mg/kg  |

The closest cathodic protection well, Jicarilla E9 API:30-039-20103, is located 3.19 miles from the site and has a depth to groundwater of 80 feet. The impacted site is 88 feet higher in elevation compared to the Jicarilla E9, therefore; groundwater is estimated to be greater than 100 feet. However, the site was ranked at the most stringent standards per the direction of Jicarilla Oil and Gas Administration (JOGA) representative Mr. Keith Manwell. Siting criteria documentation for the subject well site is provided in **Appendix A, Siting Documentation**.

## Release Closure Activities

Logos' contractor excavated the impacted soil from the site on February 9 through March 31, 2021. Approximately 2,988 cubic yards of petroleum contaminated soil (PCS) were transported to Envirotech's New Mexico Oil Conservation Division (NMOCD) permitted soil remediation facility. Waste disposal documentation is provided in **Appendix B, Waste Disposal Documentation**.



On March 31, 2021, the final excavation extents were monitored by Envirotech utilizing field screening methods. Field screening for volatile organic compounds (VOCs) was conducted with a photo-ionization detector (PID) organic vapor meter (OVM). Prior to performing field screening activities, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas. The final dimensions of the excavation measured approximately 93 feet by 79 feet by 20 feet below ground surface (bgs). Field screening results are summarized in **Appendix C, Field Notes**.

### **Laboratory Analysis**

JOGA representative, Mr. Keith Manwell, was onsite to witness and direct sampling activities. Envirotech personnel collected 24 five-point composite samples from the excavation on March 31, 2021. The excavation walls were divided into sections which included seven (7) sections of the upper 4-feet that measured 4 feet wide by 35 feet long; 13 sections representing depths between 4 feet and 20 feet bgs, measuring 16 feet wide by 15 feet long; and the base was divided into four equal quadrants. The soil samples were placed into individual laboratory provided 4-ounce jars, capped head space free, and transported on ice to Envirotech Analytical Laboratory. The soil sample locations are illustrated in **Figure 2, Site Map** and in **Appendix C**.

### **Laboratory Analytical Results**

The soil samples were analyzed per analytical methods referenced in 19.15.29.12 NMAC. The laboratory analytical results were below laboratory regulatory standards for all constituents analyzed. Analytical results are summarized in **Table 1** and **Appendix D**.

### **Reclamation Activities**

Logos' contractor completed the backfill of the subject excavation on April 16, 2021. The excavation was backfilled with JOGA approved, non-waste containing, earthen material. The site was recontoured and graded to prevent ponding and erosion. The location is an active site; therefore, the area was not prepped for seeding. Backfill photos are provided in **Appendix E**.

### **Summary and Conclusions**

On March 31, 2021, Envirotech personnel completed confirmation sampling of the release closure that was completed at the Jicarilla 119N-5A well site. Based on the analytical results; Envirotech recommends requesting a **No Further Action** status from the NMOCD and JOGA regarding the release closure.

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### Statement of Limitations

The work and services provided were in accordance with NMOCD and JOGA standards. All observations and conclusions provided here are based on the information and current site conditions found at the subject well site. This work has been conducted and reported in accordance with generally accepted professional practices in geology, engineering, environmental chemistry, and hydrogeology.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully submitted,  
**ENVIROTECH, INC.**

Reviewed by:



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Brittany Hall  
Environmental Field Technician  
[bhall@envirotech-inc.com](mailto:bhall@envirotech-inc.com)



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Felipe Aragon, CHMM, CES  
Environmental Assistant Manager  
[faragon@envirotech-inc.com](mailto:faragon@envirotech-inc.com)

# Figures



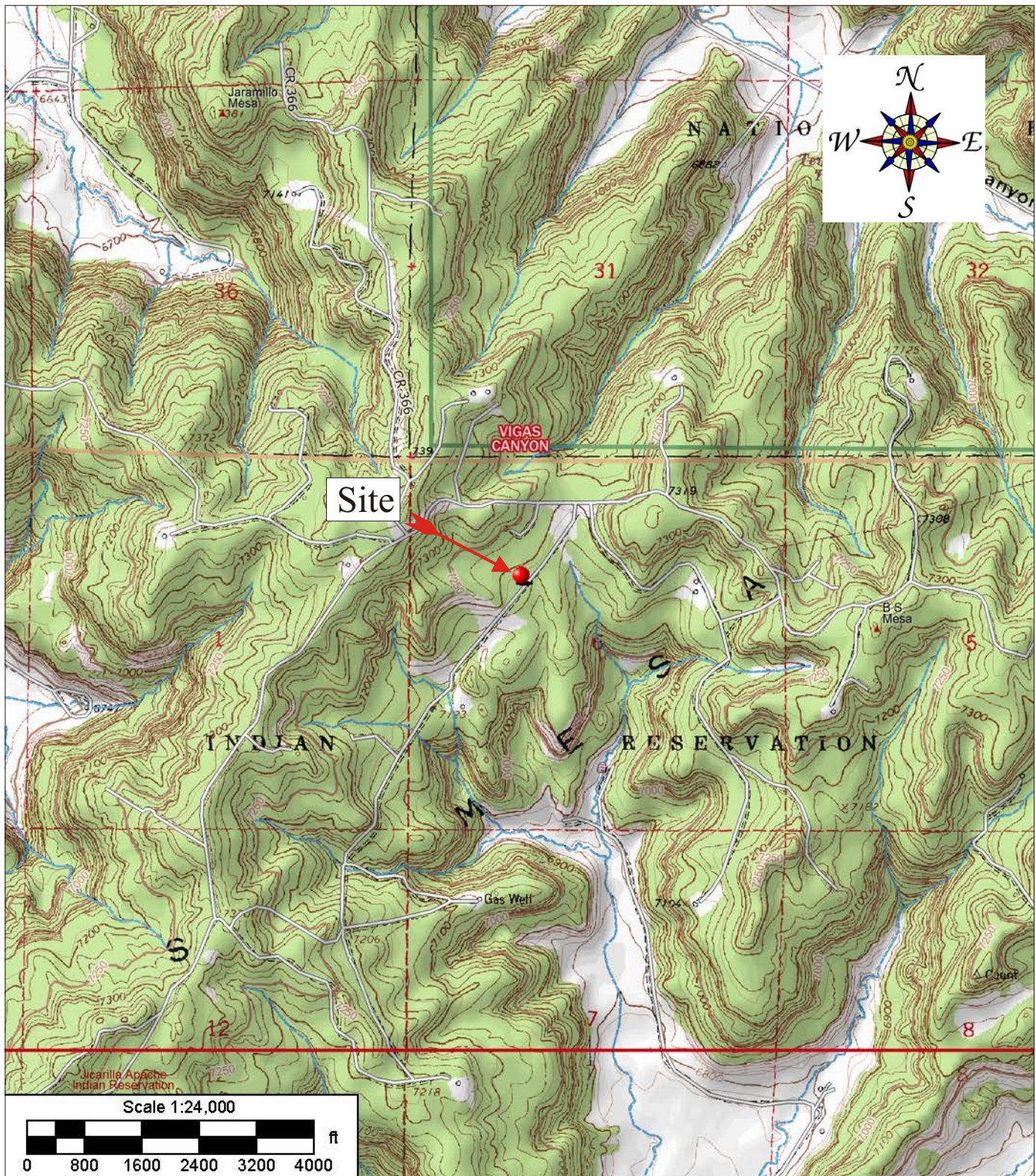
Figure 1, *Vicinity Map*

Figure 2, *Site Map*



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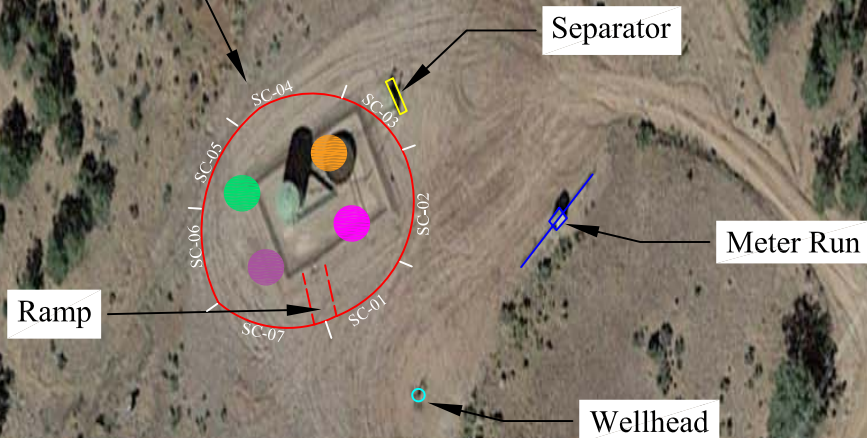


Source: 7.5 Minute, Vigas Canyon, New Mexico U.S.G.S. Topographic Quadrangle Map  
 Scale: 1:24,000 1" = 2,000

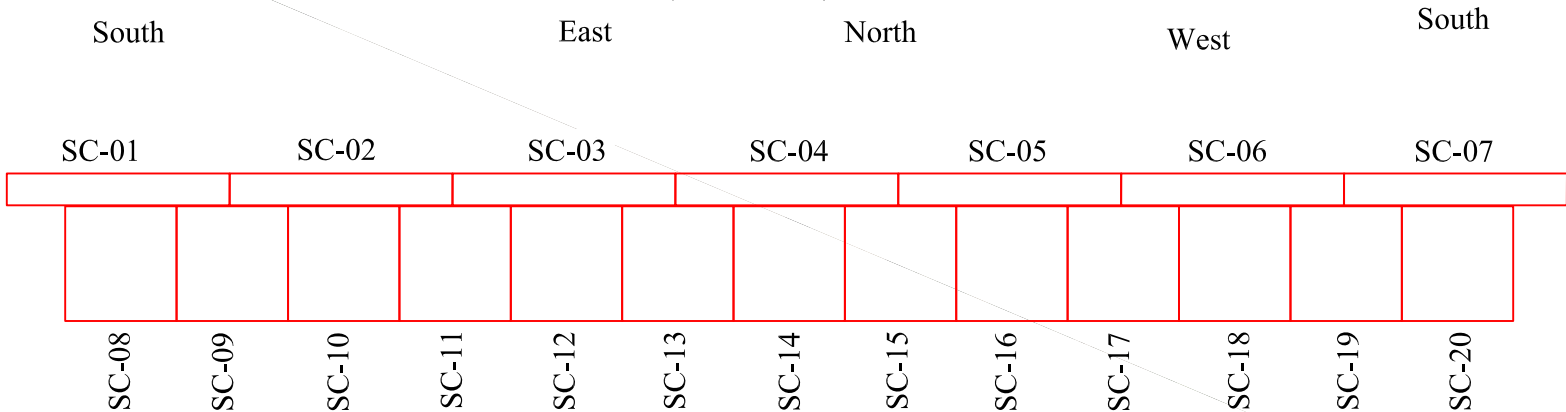
|  |                       |  |  |                            |                                   |
|--|-----------------------|--|--|----------------------------|-----------------------------------|
| Logos Operating, LLC.<br>Jicarilla 119N-5A Well Site Section<br>6, Township 26N, Range 4W<br>Rio Arriba County, New Mexico<br>36.5182, -107.2956 |                       |  envirotech<br>ENVIRONMENTAL SCIENTISTS & ENGINEERS |  | Vicinity Map               |                                   |
|  |                       | 5796 U.S. HIGHWAY 64<br>Farmington, New Mexico 87401<br>505.632.0615   |  | Figure #1                  |                                   |
| Project Number: 12035-0163   | Date Drawn: 4/12/2021 |  |  | DRAWN BY:<br>Brittany Hall | PROJECT MANAGER:<br>Felipe Aragon |



Excavation Dimensions:  
93 feet by 79 feet by 20 feet bgs



Excavation Walls Profile  
(Not to scale)



\*SC-01 to SC-07 measured approximately 35 feet by 4 feet. SC-08 to SC-20 measured approximately 15 feet by 16 feet.

#### Legend

- - Excavation
- - Northwest Base
- - Southwest Base
- - Southeast Base
- - Northeast Base



MAP DRAWN BY:  
BAH  
4/12/2021

REVISIONS BY:  
NAME  
DATE

APPROVED BY:  
NAME  
DATE

Scale  
1" = 80'

Figure 2, Site Map

Logos Operating, LLC.  
Jicarilla 119N-5A Well Site  
Confirmation Sampling Report  
Section 6, Township 26N, Range 4W  
Rio Arriba County, New Mexico  
Project #12035-0163



# Tables

**Table 1, *Summary of Soil Analytical Results***



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**Table 1, Summary of Soil Analytical Results**  
**Logos Operating, LLC Release Closure Report**  
**Jicarilla 119N-5A; API: 30-039-21198**  
**Unit F, Section 6, Township 26N, Range 4W**  
**Rio Arriba County, New Mexico**  
**Project #12035-0163**

| Laboratory Sample ID   | Date      | Sample Depth<br>(below ground<br>surface) | EPA Method 8015 |                |                | EPA Method 8021    |                       | EPA Method<br>300.0  |
|--|-----------|---|-----------------|----------------|----------------|--------------------|-----------------------|----------------------|
|  |           |   | GRO<br>(mg/kg)  | DRO<br>(mg/kg) | ORO<br>(mg/kg) | Benzene<br>(mg/kg) | Total BTEX<br>(mg/kg) | Chlorides<br>(mg/kg) |
| NMOCD Release Closure Criteria<br>(Table 1 - 19.15.29.12 NMAC) |           |   | 100 mg/kg       |                |                | 10 mg/kg           | 50 mg/kg              | 600 mg/kg            |
| SC-01  | 3/31/2021 | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-02  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-03  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-04  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-05  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-06  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-07  |           | 0-4 ft                                    | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-08  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-09  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-10  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-11  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-12  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 33.2                 |
| SC-13  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 34.8                 |
| SC-14  |           | 4-20 ft                                   | <20.0           | 56.6           | <50.0          | <0.025             | <0.1                  | 46.2                 |
| SC-15  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 21.6                 |
| SC-16  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 59.9                 |
| SC-17  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 51.2                 |
| SC-18  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | 64.3                 |
| SC-19  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| SC-20  |           | 4-20 ft                                   | <20.0           | <25.0          | <50.0          | <0.025             | <0.1                  | <20.0                |
| NE Base  |           | 20 ft                                     | <20.0           | 37.8           | <50.0          | <0.025             | <0.1                  | 24.3                 |
| NW Base  | 20 ft     | <20.0                                     | <25.0           | <50.0          | <0.025         | <0.1               | 23.1                  |                      |
| SE Base  | 20 ft     | <20.0                                     | <25.0           | <50.0          | <0.025         | <0.1               | <20.0                 |                      |
| SW Base  | 20 ft     | <20.0                                     | <25.0           | <50.0          | <0.025         | <0.1               | <20.0                 |                      |



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# Appendix A



## *Siting Criteria Documentation*



**Practical Solutions for a Better Tomorrow**

|  |  |  |  |                 |
|--|--|--|--|-----------------|
| <b>Site Name:</b>  | <b>Jicarilla 119 N#005A</b>  |  |  |                 |
| <b>API #:</b>  | 30-039-21198   |  |  |                 |
| <b>Lat/Long:</b>   | 36.52, -107.30   |  |  |                 |
| <b>TRS:</b>  | Unit F Sec 6 T26N R 4W   |  |  |                 |
| <b>Land Jurisdiction:</b>  | Jicarilla  |  |  |                 |
| <b>County:</b>   | Rio Arriba   |  |  |                 |
| <b>Wellhead Protection Area Assessment</b>   |  |  |  |                 |
| <b>Water Source Type<br/>(well/spring/stock pond)</b>  | <b>ID</b>  | <b>Latitude</b>                        | <b>Longitude</b>                                   | <b>Distance</b> |
|  |  |  |  |                 |
| <b>Distance to Nearest Significant Watercourse</b>   |  |  |  |                 |
|  |  |  |  |                 |
| <b>Depth to Groundwater Determination</b>  |  |  |  |                 |
| Cathodic Report/Site Specific Hydrogeology   |  |  |  |                 |
| Elevation Differential   | site elevation 7,207; Carrizo Canyon 6,510; due to known springs in the area DTW estimated 50-100' |  |  |                 |
| Water Wells  |  |  |  |                 |
| <b>Sensitive Receptor Determination</b>  |  |  |  |                 |
| <300' of any continuously flowing watercourse or any other significant watercourse                             |  |  |  | Yes             |
| <200' of any lakebed, sinkhole or playa lake (measured from the Ordinary High Water                            |  |  |  | No              |
| <300' of an occupied permanent residence, school, hospital, institution or church                              |  |  |  | No              |
| <500' of a spring or private/domestic water well used by <5 households for domestic or stock watering purposes |  |  |  | No              |
| <1000' of any water well or spring   |  |  |  | No              |
| Within incorporated municipal boundaries or within a defined municipal fresh water well                        |  |  |  | No              |
| <300' of a wetland   |  |  |  | No              |
| Within the area overlying a subsurface mine  |  |  |  | No              |
| Within an unstable area  |  |  |  | No              |
| Within a 100-year floodplain   |  |  |  | No              |
| <b>DTW Determination</b>   | <b>≤50 <input type="checkbox"/></b>  | <b>50-100 <input type="checkbox"/></b> | <b>&gt;100 <input checked="" type="checkbox"/></b> |                 |
| Benzene  | <b>10</b>  | <b>10</b>                              | <b>10</b>  |                 |
| BTEX (mg/kg)   | <b>50</b>  | <b>50</b>                              | <b>50</b>  |                 |
| 8015 TPH (GRO/DRO) (mg/kg)   | <b>Not Applicable</b>  | <b>1,000</b>                           | <b>1,000</b>                                       |                 |
| 8015 TPH (GRO/DRO/MRO) (mg/kg)   | <b>100</b>   | <b>2,500</b>                           | <b>2,500</b>                                       |                 |
| Chlorides (mg/kg)  | <b>600</b>   | <b>10,000</b>                          | <b>20,000</b>                                      |                 |



Practical Solutions of a Better Tomorrow



30-039-20103

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 3 copies to OCD Aztec Office)

Operator Southern Union Exploration Location: Unit B Sec. 16 Twp 26 Rng 4Name of Well/Wells or Pipeline Serviced Jicarilla E #9Elevation 7124 Completion Date 5/22/70 Total Depth 288' Land Type\* Cont 104Casing, Sizes, Types & Depths n/aIf Casing is cemented, show amounts & types used n/aIf Cement or Bentonite Plugs have been placed, show depths & amounts used  
n/aDepths & thickness of water zones with description of water when possible:  
Fresh, Clear, Salty, Sulphur, Etc. water at 80'Depths gas encountered: n/aType & amount of coke breeze used: n/aDepths anodes placed: 120,130,140,175,185,195,215,240,270,285'Depths vent pipes placed: n/aVent pipe perforations: n/a

Remarks: \_\_\_\_\_

**RECEIVED**  
MAR 4 1990  
OIL CON. DIV  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

Form 3160-4  
(July 1992)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

|  |                         |  |   |                                    |   |
|--|-------------------------|--|---|------------------------------------|---|
| 1a. TYPE OF WELL:  |                         | OIL WELL <input type="checkbox"/>                                    | GAS WELL <input checked="" type="checkbox"/>  | DRY <input type="checkbox"/>       | Other <input type="checkbox"/>  |
| b. TYPE OF COMPLETION:   |                         | NEW WELL <input type="checkbox"/>                                    | WORK OVER <input checked="" type="checkbox"/> | DEEP-EN <input type="checkbox"/>   | PLUG BACK <input type="checkbox"/>  |
|  |                         | DIFF. REVR. <input type="checkbox"/>                                 | Other <input type="checkbox"/>                |                                    |   |
| 2. NAME OF OPERATOR<br>Merit Energy Company  |                         |  |   |                                    |   |
| 3. ADDRESS AND TELEPHONE NO.<br>12222 Merit Drive, Suite 1500, Dallas, TX 75251 (214)701-8377  |                         |  |   |                                    |   |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*<br>At surface 1135' FNL & 1605' FEL<br>At top prod. interval reported below Same<br>At total depth Same |                         |  |   |                                    |   |
| 14. PERMIT NO.   |                         | DATE ISSUED  |   |                                    |   |
| 15. DATE SPUDDED   |                         | 16. DATE T.D. REACHED  |   | 17. DATE COMPL. (Ready to prod.)   |   |
| 6-12-68  |                         | 6-22-68  |   | 6-4-95                             |   |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*  |                         | 19. ELEV. CASINGHEAD   |   |                                    |   |
| 7124 RKB   |                         | 7111   |   |                                    |   |
| 20. TOTAL DEPTH, MD & TVD  |                         | 21. PLUG, BACK T.D., MD & TVD  |   | 22. IF MULTIPLE COMPL., HOW MANY*  |   |
| 8222   |                         | 7789   |   | 2                                  |   |
| 23. INTERVALS DRILLED BY   |                         |  |   |                                    | 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* |
| ROTARY TOOLS   |                         |  |   |                                    | 25. WAS DIRECTIONAL SURVEY MADE   |
| CABLE TOOLS  |                         |  |   |                                    |   |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN   |                         |  |   |                                    | 27. WAS WELL CORRED   |
| NA   |                         |  |   |                                    |   |
| 28. CASING RECORD (Report all strings set in well)   |                         |  |   |                                    |   |
| CASING SIZE/GRADE  | WEIGHT, LB./FT.         | DEPTH SET (MD)   | HOLE SIZE                                     | TOP OF CEMENT, CEMENTING RECORD    | AMOUNT PULLED   |
| 10 3/4   | 32.75                   | 385  | 13 3/4  | 325 sxs                            | None  |
| 7 5/8  | 26.40                   | 4034   | 9 7/8   | 350 cu. ft.                        | None  |
| 29. LINER RECORD   |                         |  |   |                                    |   |
| SIZE   | TOP (MD)                | BOTTOM (MD)  | SACKS CEMENT*                                 | SCREEN (MD)                        |   |
| 4 1/2  | 3890                    | 8220   | 900 cu ft                                     |                                    |   |
| 30. TUBING RECORD  |                         |  |   |                                    |   |
| SIZE   | DEPTH SET (MD)          | PACKER SET (MD)  |   |                                    |   |
| 2 3/8  | 4217                    | 4217   |   |                                    |   |
| 31. PERFORATION RECORD (Interval, size and number)   |                         |  |   |                                    |   |
| 5936-6029<br>13 holes 1 spf  |                         |  |   |                                    |   |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.   |                         |  |   |                                    |   |
| DEPTH INTERVAL (MD)  |                         | AMOUNT AND KIND OF MATERIAL USED                                     |   |                                    |   |
| 5936-6029  |                         | Acidize w/1000 7 1/2% HCL  |   |                                    |   |
|  |                         | Frac w/22,834 gals gelled wtr & 106,400 # sand                       |   |                                    |   |
| 7833   |                         | CIBP topped w/44' cmt abandoning                                     |   |                                    |   |
| 33. PRODUCTION   |                         |  |   |                                    |   |
| DATE FIRST PRODUCTION  |                         | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |   | WELL STATUS (Producing or shut-in) |   |
| 6-6-95   |                         | Flowing  |   | Producing                          |   |
| DATE OF TEST   | HOURS TESTED            | CHOKE SIZE   | PROD'N. FOR TEST PERIOD                       | OIL—BSL.                           | GAS—MCF.  |
| 6-6-95   | 24                      | 32/64  |   | 1                                  | 350   |
| WATER—BSL.   | OIL GRAVITY-API (CORR.) |  |   |                                    |   |
| 650  | NA                      | 24-HOUR RATE   |   |                                    |   |
| 1  | 350                     | 3  |   |                                    |   |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)   |                         |  |   |                                    |   |
| Sold   |                         |  |   |                                    |   |
| 35. LIST OF ATTACHMENTS  |                         |  |   |                                    |   |
| Plat   |                         |  |   |                                    |   |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  |                         |  |   |                                    |   |
| SIGNED   |                         | TITLE  |   | DATE                               |   |
| Robert R. Matzke   |                         | Regional Manager   |   | 6-6-95                             |   |

\*(See Instructions and Spaces for Additional Data on Reverse Side)



38.

## GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP         |                  |
|-----------|-----|--------|-----------------------------|------|-------------|------------------|
|           |     |        |                             |      | MEAS. DEPTH | TRUE VERT. DEPTH |
|           |     |        |                             |      |             |                  |

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
PO Drawer DD, Artesia, NM 88211-0719  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
PO Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|   |  |                                 |   |
|---|--|---------------------------------|---|
| <sup>1</sup> API Number<br>30-039-20103 |  | <sup>2</sup> Pool Code<br>72319 | <sup>3</sup> Pool Name<br>Blanco Mesa Verde |
| <sup>4</sup> Property Code<br>007691    | <sup>5</sup> Property Name<br>Jicarilla E          |                                 | <sup>6</sup> Well Number<br>9               |
| <sup>7</sup> OGRID No.<br>014591        | <sup>8</sup> Operator Name<br>Merit Energy Company |                                 | <sup>9</sup> Elevation<br>7124 RKB          |

<sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County     |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|------------|
| B             | 16      | 26N      | 4W    |         | 1135          | North            | 1605          | East           | Rio Arriba |

<sup>11</sup> Bottom Hole Location If Different From Surface

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

|                                      |                               |                                  |                         |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>320 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|--------------------------------------|-------------------------------|----------------------------------|-------------------------|

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

|   |  |  |
|---|--|--|
| <div style="position: relative; height: 400px;"> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%);"> <p>1135</p> <p>1605</p> </div> </div> | <p><b>17 OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</p> <p>Signature<br/>Sheryl J. Carruth</p> <p>Printed Name<br/>Regulatory Manager</p> <p>Title<br/>6-6-95</p> <p>Date</p>  |  |
|   | <p><b>18 SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyer:</p> |  |
|   | <p><b>RECEIVED</b></p> <p>JUN 18 1995</p> <p>OIL CON. DIV.</p> <p>DIST. 3</p>  |  |
|   | <p>Certificate Number</p>  |  |

New Mexico Oil Conservation Division  
C-102 Instructions

IF THIS IS AN AMENDED REPORT, CHECK THE BOX LABELED "AMENDED REPORT" AT THE TOP OF THIS DOCUMENT.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed contact the appropriate OCD district office. Independent subdivision surveys will not be acceptable.

1. The OCD assigned API number for this well
2. The pool code for this (proposed) completion
3. The pool name for this (proposed) completion
4. The property code for this (proposed) completion
5. The property name (well name) for this (proposed) completion
6. The well number for this (proposed) completion
7. Operator's OGRID number
8. The operator's name
9. The ground level elevation of this well
10. The surveyed surface location of this well measured from the section lines **NOTE: If the United States government survey designates a Lot Number for this location use that number in the 'UL or lot no.' box. Otherwise use the OCD unit letter.**
11. Proposed bottom hole location. If this is a horizontal hole indicate the location of the end of the hole.
12. The calculated acreage dedicated to this completion to the nearest hundredth of an acre
13. Put a Y if more than one completion will be sharing this same acreage or N if this is the only completion on this acreage
14. If more than one lease of different ownership has been dedicated to the well show the consolidation code from the following table:
 

|   |                       |
|---|-----------------------|
| C | Communitization       |
| U | Unitization           |
| F | Forced pooling        |
| O | Other                 |
| P | Consolidation pending |

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

15. Write in the OCD order(s) approving a non-standard location, non-standard spacing, or directional or horizontal drilling

16. This grid represents a standard section. You may superimpose a non-standard section over this grid. Outline the dedicated acreage and the separate leases within that dedicated acreage. Show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. (Note: A legal location is determined from the perpendicular distance to the edge of the tract.) If this is a high angle or horizontal hole show that portion of the well bore that is open within this pool.

Show all lots, lot numbers, and their respective acreage.

If more than one lease has been dedicated to this completion, outline each one and identify the ownership as to both working interest and royalty.

17. The signature, printed name, and title of the person authorized to make this report, and the date this document was signed.
18. The registered surveyors certification. This section does not have to be completed if this form has been previously accepted by the OCD and is being filed for a change of pool or dedicated acreage.



**PLSS Search:**

**Township:** 26N      **Range:** 04W

3/2/21 3:55 PM

WELLS WITH WELL LOG INFORMATIO





OSE POD Locations

Points of Diversion visible at 1:19,000 with 1,000 features per view

Drought Tracker Online Meter Report Water Right Reporting System

Measurement

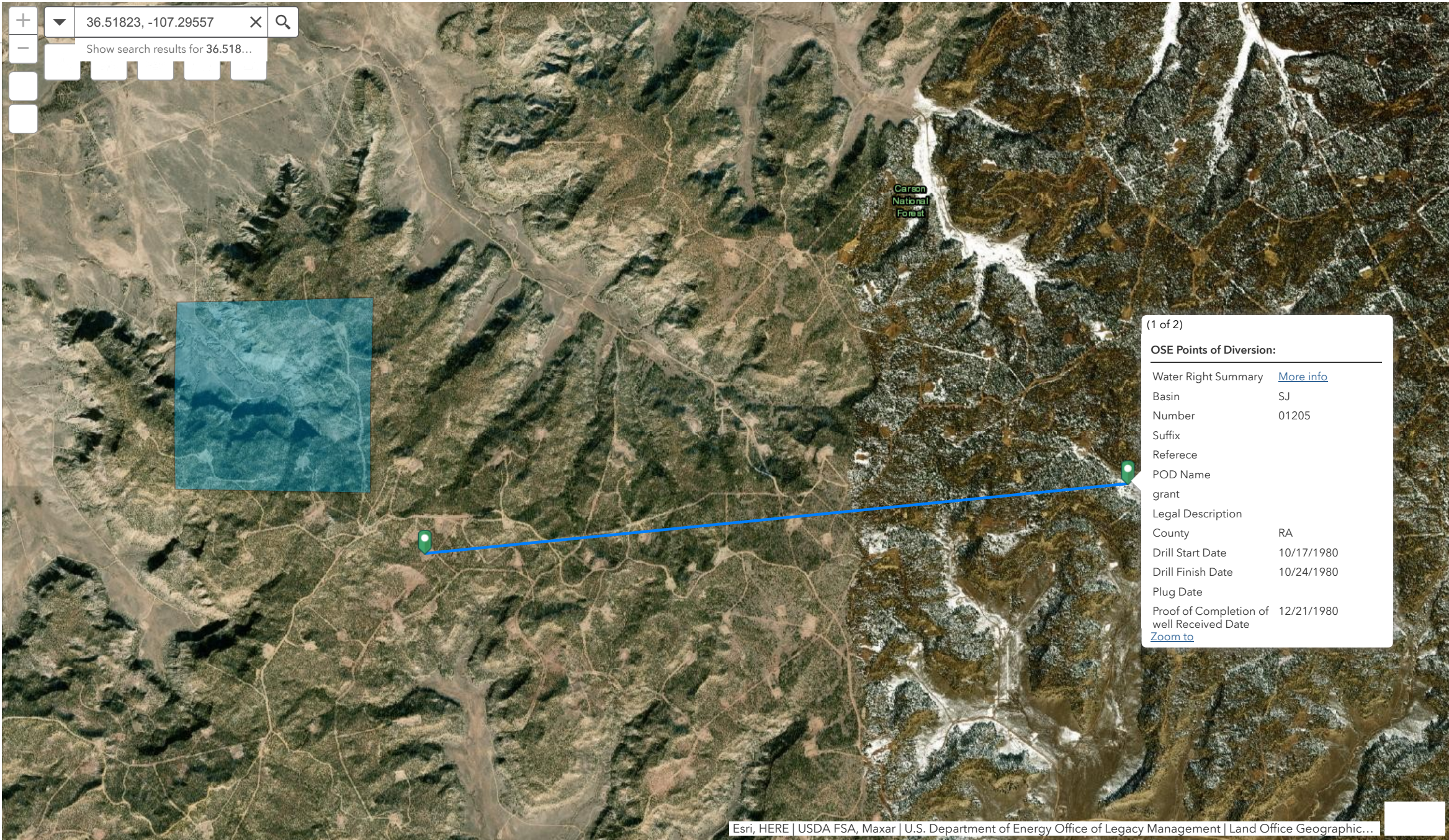
0 Miles

Measurement Result

3.62 Miles

Clear

Press CTRL to enable snapping



1:36111  
0.4mi  
-107.242 36.558 Degrees





OSE POD Locations

Points of Diversion visible at 1:19,000 with 1,000 features per view

Drought Tracker Online Meter Report Water Right Reporting System

Legend

GIS WATERS PODs

- Active
- Pending
- Change Location of Well
- Capped
- Plugged
- Incomplete
- Unknown

OSE District Boundary



OSE District Offices



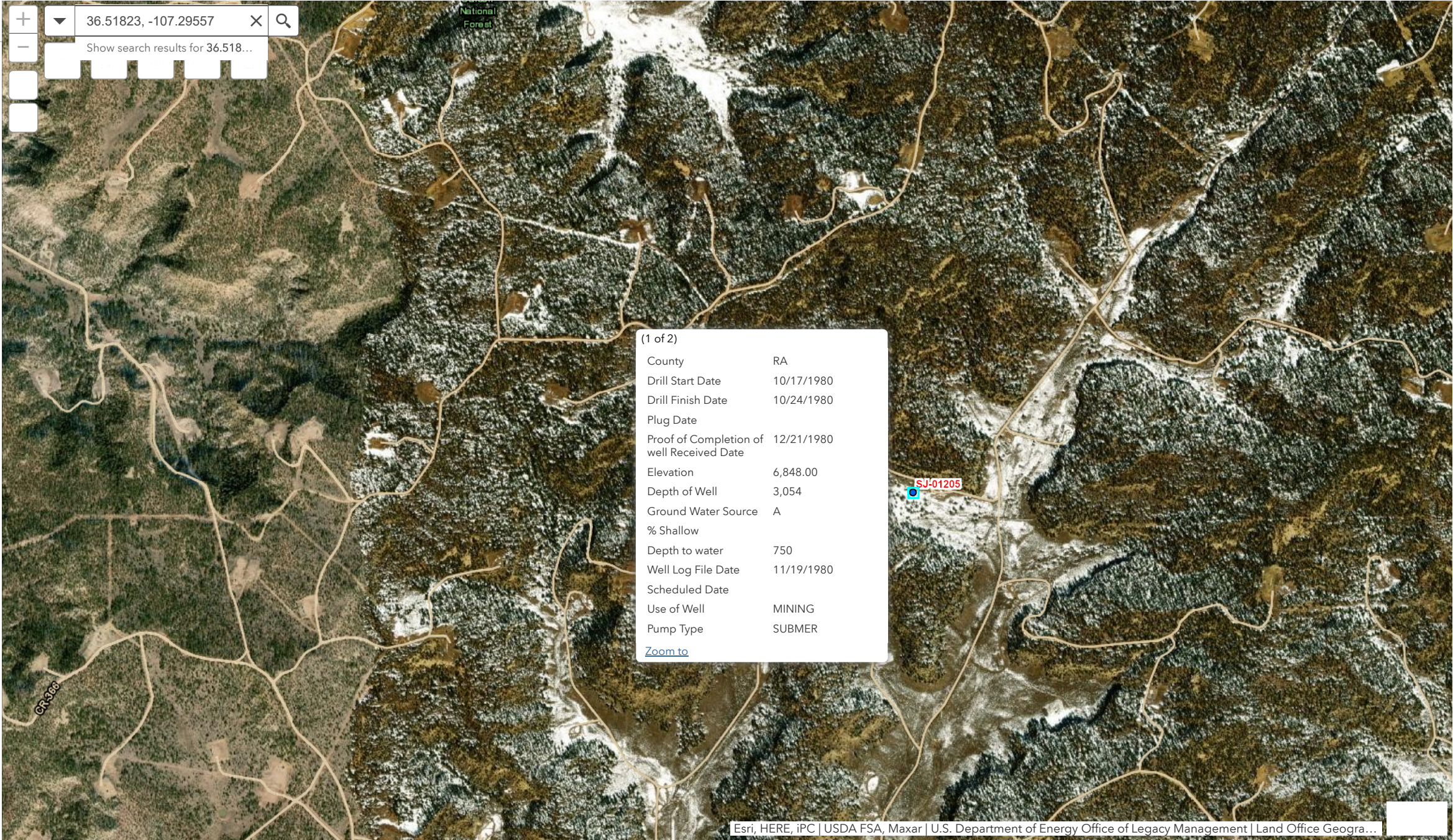
Water Right Regulations

- Critical Management Area - Guidelines
- Quality Restriction Area
- Local Ordinance Area
- Special Condition Area
- Negative Easement Area

Live Stream Gauges v1

Status

- Major Flood
- Moderate Flood
- Minor Flood
- Action Stage



1:18055  
0.2mi  
-107.207 36.542 Degrees





# New Mexico Office of the State Engineer

## Water Right Summary



**WR File Number:** SJ 01205      **Subbasin:** SJ      **Cross Reference:** -  
**Primary Purpose:** OIL      OIL PRODUCTION  
**Primary Status:** PMT      PERMIT  
**Total Acres:** 0      **Subfile:** -      **Header:** -  
**Total Diversion:** 60      **Cause/Case:** -  
**Owner:** MERIDIAN OIL PRODUCTION, INC.

### Documents on File

| Trn #                      | Doc    | File/Act         | Status |     | Transaction Desc. | From/<br>To | Acres | Diversion | Consumptive |
|----------------------------|--------|------------------|--------|-----|-------------------|-------------|-------|-----------|-------------|
|                            |        |                  | 1      | 2   |                   |             |       |           |             |
| <a href="#">get images</a> | 223094 | CLWPL 1985-10-09 | PMT    | APR | SJ 01205          | T           | 0     | 60        |             |
| <a href="#">get images</a> | 223094 | CLWPL 1985-10-09 | PMT    | APR | SJ 01205          | F           | 0     | 60        |             |
| <a href="#">get images</a> | 223095 | COWNF 1985-06-17 | CHG    | PRC | SJ 01205          | T           | 0     | 0         |             |
| <a href="#">get images</a> | 223093 | CLW 1984-06-18   | APP    | WDR | SJ 01205          | T           | 0     | 0         |             |
| <a href="#">get images</a> | 223093 | CLW 1984-06-18   | APP    | WDR | SJ 01205          | F           | 0     | 60        |             |
| <a href="#">get images</a> | 223092 | APPRO 1980-08-21 | PMT    | PCW | SJ 01205          | T           | 0     | 60        |             |

### Current Points of Diversion

(NAD83 UTM in meters)

| POD Number               | Well Tag | Source   | Q | 64Q16Q4SecTwsRng | X | Y         | Other Location Desc |
|--------------------------|----------|----------|---|------------------|---|-----------|---------------------|
| <a href="#">SJ 01205</a> |          | Artesian | 4 | 4                | 4 | 34 27N04W | 300255 4044335*     |

\*An (\*) after northing value indicates UTM location was derived from PLSS - see Help

### Priority Summary

| Priority   | Status | Acres | Diversion | Pod Number               |          |
|------------|--------|-------|-----------|--------------------------|----------|
| 06/20/1980 | PMT    | 0     | 60        | <a href="#">SJ 01205</a> | Artesian |

### Place of Use

| Q | Q | 256 | 64 | Q16 | Q4SecTwsRng | Acres | Diversion | CU | Use | Priority | Status | Other Location Desc |
|---|---|-----|----|-----|-------------|-------|-----------|----|-----|----------|--------|---------------------|
|   |   |     |    |     | 34 27N04W   | 0     | 60        |    | OIL |          | PMT    |                     |

### Source

| Acres | Diversion | CU | Use | Priority | Source Description |
|-------|-----------|----|-----|----------|--------------------|
| 0     | 60        |    | OIL |          | GW                 |

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.

3/3/21 8:35 AM

WATER RIGHT  
SUMMARY

## Appendix B



### *Waste Disposal Documentation*



Practical Solutions for a Better Tomorrow





# envirotech

## Bill of Lading

MANIFEST # **68182**  
 GENERATOR **Logos**  
 POINT OF ORIGIN **Jic 119 N 5A**  
 TRANSPORTER **Kelley oilfield**  
 DATE **03-02-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO.    | COMPLETE DESCRIPTION OF SHIPMENT |            |   |           |      |       | TRANSPORTING COMPANY |      |      |                  |
|-------------|----------------------------------|------------|---|-----------|------|-------|----------------------|------|------|------------------|
|             | DESTINATION                      | MATERIAL   | GRID  | YDS       | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1           | LFII-5                           | Conit Soil | C22   | 22        | -    | -     | -                    | 5105 | 1125 | Arnold Johnson   |
| 2           | "                                | " "        | C22   | 22        | -    | -     | -                    | 5115 | 1307 | Toph             |
| 3           | "                                | " "        | C23   | 22        | -    | -     | -                    | 5105 | 1520 | Arnold Johnson   |
| 4           | "                                | " "        | C23   | 22        | -    | -     | -                    | 5115 | 1650 | James K          |
|             |                                  |            |   | <b>88</b> |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
|             |                                  |            |   |           |      |       |                      |      |      |                  |
| RESULTS     |                                  |            | LANDFARM EMPLOYEE   |           |      |       | NOTES                |      |      |                  |
| <b>299</b>  | CHLORIDE TEST                    | <b>1</b>   | <b>Cory Robinson</b> <b>GWC</b><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out  |           |      |       |                      |      |      |                  |
|             | CHLORIDE TEST                    |            |   |           |      |       |                      |      |      |                  |
|             | CHLORIDE TEST                    |            |   |           |      |       |                      |      |      |                  |
| <b>PASS</b> | PAINT FILTER TEST                | <b>1</b>   | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |           |      |       |                      |      |      |                  |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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# envirotech

## Bill of Lading

MANIFEST # **68274**  
 GENERATOR **logas**  
 POINT OF ORIGIN **Jic 119 N 5A**  
 TRANSPORTER **Kelley oilfield**  
 DATE **04.08.21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |            |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|------------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL   | GRID | YDS | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LF#5                             | CON'T SOIL | A24  | 20  | -    | -     | -                    | 513S | 0830 | SERGIO E         |
| 2        | "                                | "          | A24  | 20  | -    | -     | -                    | 509S | 0850 | TJ               |
| 3        | "                                | "          | A24  | 20  | -    | -     | -                    | 504S | 0856 | Steve Lutech     |
| 4        | "                                | "          | A24  | 20  | -    | -     | -                    | 513S | 1203 | SERGIO E         |
| 5        | "                                | "          | A23  | 20  | -    | -     | -                    | 504S | 1237 | Steve Lutech     |
| 6        | "                                | "          | A23  | 20  | -    | -     | -                    | 509S | 1240 | TJ               |
| 7        | "                                | "          | A23  | 20  | -    | -     | -                    | 513S | 1542 | SERGIO E         |
| 8        | "                                | "          | A23  | 20  | -    | -     | -                    | 504S | 1607 | Steve Lutech     |
| 9        | "                                | "          | A22  | 20  | -    | -     | -                    | 509S | 1622 | TJ               |
| 10       | "                                | "          | A22  | 20  | -    | -     | -                    | 502S | 1632 | R. Ford          |

|         |                   |   |   |             |
|---------|-------------------|---|---|-------------|
| RESULTS |                   |   | LANDFARM EMPLOYEE<br><b>Gary Robinson</b><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out  | NOTES<br>Gu |
| 4299    | CHLORIDE TEST     | 3 |   |             |
|         | CHLORIDE TEST     |   |   |             |
|         | CHLORIDE TEST     |   |   |             |
| pass    | PAINT FILTER TEST | 3 | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |             |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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# envirotech

## Bill of Lading

MANIFEST # **68267**GENERATOR **Logos**POINT OF ORIGIN **Jic 119 N 5 A**TRANSPORTER **Kelley Oil Field**DATE **04-07-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |            |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|------------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL   | GRID | YDS | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LFII.5                           | Con't Soil | A20  | 20  | —    | —     | —                    | 573S | 0840 | GENCIO P         |
| 2        | "                                | " "        | A20  | 20  | —    | —     | —                    | 509S | 0850 | [Signature]      |
| 3        | "                                | " "        | A21  | 20  | —    | —     | —                    | 504S | 0900 | Stanford         |
| 4        | "                                | " "        | A21  | 20  | —    | —     | —                    | 513S | 1210 | GENCIO P         |
| 5        | "                                | " "        | A22  | 20  | —    | —     | —                    | 504S | 1236 | Stanford         |
| 6        | "                                | " "        | A22  | 20  | —    | —     | —                    | 509S | 1240 | [Signature]      |
| 7        | "                                | " "        | A22  | 20  | —    | —     | —                    | 513S | 1602 | GENCIO P         |
| 8        | "                                | " "        | A22  | 20  | —    | —     | —                    | 502S | 1621 | Rex Pnd          |
| 9        | "                                | " "        | A22  | 20  | —    | —     | —                    | 509S | 1641 | [Signature]      |
| 10       | "                                | " "        | A22  | 20  | —    | —     | —                    | 504S | 1714 | Stanford         |

|              |                   |          |   |  |
|--------------|-------------------|----------|---|--|
| RESULTS      |                   |          | LANDFARM EMPLOYEE<br><b>Gary Robinson</b> <sup>200</sup> <sub>Gen</sub> | NOTES<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |
| <b>CL299</b> | CHLORIDE TEST     | <b>3</b> |   |  |
|              | CHLORIDE TEST     |          |   |  |
|              | CHLORIDE TEST     |          |   |  |
| <b>PASS</b>  | PAINT FILTER TEST | <b>3</b> |   |  |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68263**GENERATOR **LOGOS**POINT OF ORIGIN **JIC 119 NSA**TRANSPORTER **Kelley Oil Field**DATE **04-06-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LFII-5                           | Cont Soil | A20  | 20  | -    | -     | -                    | 513S | 0845 | Sergio E.        |
| 2        | "                                | " "       | A20  | 20  | -    | -     | -                    | 509S | 0851 | Tom R.           |
| 3        | "                                | " "       | A20  | 20  | -    | -     | -                    | 504S | 0856 | Steve L.         |
| 4        | "                                | " "       | A20  | 20  | -    | -     | -                    | 513S | 1220 | Greg P.          |
| 5        | "                                | " "       | A20  | 20  | -    | -     | -                    | 509S | 1235 | Greg P.          |
| 6        | "                                | " "       | A21  | 20  | -    | -     | -                    | 504S | 1240 | Steve L.         |
| 7        | "                                | " "       | A21  | 20  | -    | -     | -                    | 513S | 1605 | Sergio E.        |
| 8        | "                                | " "       | A21  | 20  | -    | -     | -                    | 509S | 1630 | Greg P.          |
| 9        | "                                | " "       | A21  | 20  | -    | -     | -                    | 504S | 1650 | Steve L.         |
| 10       | "                                | " "       | A21  | 20  | -    | -     | -                    | 502S | 1655 | Greg P.          |

## RESULTS

|                |                   |          |
|----------------|-------------------|----------|
| <b>&lt;299</b> | CHLORIDE TEST     | <b>3</b> |
|                | CHLORIDE TEST     |          |
|                | CHLORIDE TEST     |          |
| <b>PASS</b>    | PAINT FILTER TEST | <b>3</b> |

LANDFARM  
EMPLOYEE

**200**  
Garry Robinson **GW**

## NOTES

☐ Soil w/ Debris ☐ After Hours/Weekend Receipt ☐ Scrape Out ☐ Wash Out

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

Generator Onsite Contact \_\_\_\_\_

Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68262**GENERATOR **Logos**POINT OF ORIGIN **Jic 119 n 54**TRANSPORTER **Kelley Oil Field**DATE **04-05-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFH 5                            | Cont Soil | A24  | 20         | -    | -     | -                    | 5055 | 0925 | <i>[Signature]</i> |
| 2        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5085 | 0925 | <i>[Signature]</i> |
| 3        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5085 | 1350 | <i>[Signature]</i> |
| 4        | "                                | " "       | A23  | 20         | -    | -     | -                    | 5055 | 1350 | <i>[Signature]</i> |
| 5        | "                                | " "       | A23  | 20         | -    | -     | -                    | 5055 | 1710 | <i>[Signature]</i> |
| 6        | "                                | " "       | A23  | 20         | -    | -     | -                    | 5055 | 1746 | <i>[Signature]</i> |
| 7        | "                                | " "       | A23  | 20         | -    | -     | -                    | 5085 | 1748 | <i>[Signature]</i> |
|          |                                  |           |      | <b>140</b> |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |

|            |                   |          |  |  |
|------------|-------------------|----------|--|--|
| RESULTS    |                   |          | LANDFARM EMPLOYEE<br><i>Gary Robinson</i><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out | NOTES<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |
| <b>299</b> | CHLORIDE TEST     | <b>2</b> |  |  |
|            | CHLORIDE TEST     |          |  |  |
|            | CHLORIDE TEST     |          |  |  |
| <b>455</b> | PAINT FILTER TEST | <b>2</b> |  |  |

Generator Onsite Contact \_\_\_\_\_

Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68259**GENERATOR **Logos**POINT OF ORIGIN **Sic 119 N 5A**TRANSPORTER **Kelley Oil Field**DATE **04-01-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LF II-5                          | Cont Soil | A24  | 20         | -    | -     | -                    | 5115 | 0845 | Israel vake      |
| 2        | LF II-5                          | " "       | A24  | 20         | -    | -     | -                    | 5045 | 0857 | Stan Little      |
| 3        | LF II-5                          | " "       | A24  | 20         | -    | -     | -                    | 506S | 0908 | Rya Prodo        |
| 4        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5115 | 1220 | Israel vake      |
| 5        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5045 | 1245 | Stan Little      |
| 6        | "                                | " "       | A24  | 20         | -    | -     | -                    | 506S | 1300 | Rya Prodo        |
| 7        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5115 | 1409 | Israel vake      |
| 8        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5045 | 1622 | Stan Little      |
| 9        | "                                | " "       | A24  | 20         | -    | -     | -                    | 5045 | 1655 | Rya Prodo        |
|          |                                  |           |      | <b>180</b> |      |       |                      |      |      |                  |

|             |                            |   |       |
|-------------|----------------------------|---|-------|
| RESULTS     |                            | LANDFARM EMPLOYEE<br><b>Gary Robinson</b><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out  | NOTES |
| <b>2299</b> | CHLORIDE TEST <b>2</b>     |   |       |
|             | CHLORIDE TEST              |   |       |
|             | CHLORIDE TEST              |   |       |
| <b>PASS</b> | PAINT FILTER TEST <b>2</b> | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |

Generator Onsite Contact \_\_\_\_\_

Phone \_\_\_\_\_

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# envirotech

## Bill of Lading

MANIFEST # **68252**  
 GENERATOR **Logos**  
 POINT OF ORIGIN **JIC 119 N 5A**  
 TRANSPORTER **Kelley Oil Field**  
 DATE **03-31-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LEH 5                            | Cont soil | A20  | 20  | -    | -     | -                    | 511S | 0903 | Zsrad vally      |
| 2        | "                                | " "       | A20  | 20  | -    | -     | -                    | 504S | 0903 | Stone            |
| 3        | "                                | " "       | A20  | 20  | -    | -     | -                    | 506S | 9:30 | Ryan Ford        |
| 4        | "                                | " "       | A20  | 20  | -    | -     | -                    | 511S | 1240 | Zsrad vally      |
| 5        | "                                | " "       | A21  | 20  | -    | -     | -                    | 504S | 1256 | Stone            |
| 6        | "                                | " "       | A21  | 20  | -    | -     | -                    | 506S | 1223 | Ryan Ford        |
| 7        | "                                | " "       | A21  | 20  | -    | -     | -                    | 508S | 1553 | Zsrad            |
| 8        | "                                | " "       | A21  | 20  | -    | -     | -                    | 505S | 1553 | RN               |
| 9        | "                                | " "       | A22  | 20  | -    | -     | -                    | 511S | 1630 | Zsrad vally      |
| 10       | "                                | " "       | A22  | 20  | -    | -     | -                    | 506S | 1715 | Ryan Ford        |

|                            |               |   |   |       |
|----------------------------|---------------|---|---|-------|
| RESULTS                    |               |   | LANDFARM EMPLOYEE<br><b>Gary Robinson</b><br>200  | NOTES |
| 2249                       | CHLORIDE TEST | 3 |   |       |
|                            | CHLORIDE TEST |   |   |       |
|                            | CHLORIDE TEST |   |   |       |
| PAINT FILTER TEST <b>3</b> |               |   | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # 68237

GENERATOR Logo's

POINT OF ORIGIN SIC 119 NSA

TRANSPORTER Kelley Oil Field 0155

DATE 3-19-21 JOB # 12035-0163

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |                         |     |      |       | TRANSPORTING COMPANY |                  |       |                  |
|----------|----------------------------------|-----------|-------------------------|-----|------|-------|----------------------|------------------|-------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID                    | YDS | BBLS | DRUMS | TKT#                 | TRK#             | TIME  | DRIVER SIGNATURE |
| 1        | LF II - 5                        | cont Soil | A-23                    | 20  | -    | -     | -                    | 511 <sup>S</sup> | 8:35  | Israduska        |
| 2        | "                                | "         | A-24                    | 20  | -    | -     | -                    | 506 <sup>S</sup> | 8:45  | Tyrone J.        |
| 3        | "                                | "         | D-25                    | 20  | -    | -     | -                    | 504 <sup>S</sup> | 8:55  | [Signature]      |
| 4        | "                                | "         | A-24                    | 20  | -    | -     | -                    | 513 <sup>S</sup> | 12:10 | [Signature]      |
| 5        | "                                | "         | A-20                    | 20  | -    | -     | -                    | 502              | 12:10 | Juan V.          |
| 6        | "                                | "         | A-20                    | 20  | -    | -     | -                    | 506 <sup>S</sup> | 12:20 | Tyrone J.        |
| 7        | "                                | "         | A-21                    | 20  | -    | -     | -                    | 510 <sup>S</sup> | 12:25 | [Signature]      |
| 8        | "                                | "         | D-23<br><del>A-21</del> | 20  | -    | -     | -                    | 504 <sup>S</sup> | 12:55 | [Signature]      |
| 9        | "                                | "         | A-21                    | 20  | -    | -     | -                    | 511 <sup>S</sup> | 13:25 | [Signature]      |
| 10       | "                                | "         | A-22                    | 20  | -    | -     | -                    | 506 <sup>S</sup> | 10:20 | Tyrone J.        |

|         |                     |   |       |
|---------|---------------------|---|-------|
| RESULTS |                     | LANDFARM EMPLOYEE<br>[Signature] 200  | NOTES |
| 299     | CHLORIDE TEST 3     |   |       |
|         | CHLORIDE TEST       |   |       |
|         | CHLORIDE TEST       |   |       |
| PASS    | PAINT FILTER TEST 3 | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receipt <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |

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# Bill of Lading

MANIFEST # **68239**GENERATOR Logo'sPOINT OF ORIGIN JIC 119 NSATRANSPORTER Kelley oil Field 0155DATE 3-19-21 JOB # 12035-0163

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |           |      |       | TRANSPORTING COMPANY |      |       |                    |
|----------|----------------------------------|-----------|------|-----------|------|-------|----------------------|------|-------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS       | BBLs | DRUMS | TKT#                 | TRK# | TIME  | DRIVER SIGNATURE   |
| 1        | LF II-5                          | cont Soil | A-22 | 20        | -    | -     | -                    | 5105 | 16:25 | <i>[Signature]</i> |
| 2        | 4                                | 44        | 4    | D-21      | 20   | -     | -                    | 5045 | 16:35 | <i>[Signature]</i> |
| 3        | 4                                | 44        | 4    | A-23      | 20   | -     | -                    | 5025 | 16:45 | Juan V             |
|          |                                  |           |      | <b>60</b> |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |
|          |                                  |           |      |           |      |       |                      |      |       |                    |

|             |                   |  |               |   |
|-------------|-------------------|--|---------------|---|
| RESULTS     |                   | LANDFARM EMPLOYEE<br><i>[Signature]</i><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out | NOTES<br><br> |   |
| <i>pass</i> | CHLORIDE TEST     |  |               | 1 |
|             | CHLORIDE TEST     |  |               |   |
|             | CHLORIDE TEST     |  |               |   |
| <i>pass</i> | PAINT FILTER TEST | 1  |               |   |

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

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# Bill of Lading

MANIFEST # **68240**  
 GENERATOR **Logos**  
 POINT OF ORIGIN **Jic 119 N5A**  
 TRANSPORTER **Kelley**  
 DATE **03-22-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LFTI-5                           | Cont Soil | A22  | 20  | -    | -     | -                    | 502S | 0845 | Juan V.          |
| 2        | "                                | " "       | A22  | 20  | -    | -     | -                    | 511  | 0850 | [Signature]      |
| 3        | "                                | " "       | A22  | 20  | -    | -     | -                    | 504S | 0850 | [Signature]      |
| 4        | "                                | " "       | A22  | 20  | -    | -     | -                    | 502S | 1230 | Juan V.          |
| 5        | "                                | " "       | A22  | 20  | -    | -     | -                    | 504S | 1240 | [Signature]      |
| 6        | "                                | " "       | A24  | 20  | -    | -     | -                    | 511  | 1244 | [Signature]      |
| 7        | "                                | " "       | A24  | 20  | -    | -     | -                    | 502  | 1613 | Juan V.          |
| 8        | "                                | " "       | A24  | 20  | -    | -     | -                    | 504S | 1615 | [Signature]      |
| 9        | "                                | " "       | A24  | 20  | -    | -     | -                    | 511  | 1635 | [Signature]      |
|          |                                  |           |      |     |      |       |                      |      |      |                  |

|         |                   |   |       |
|---------|-------------------|---|-------|
| RESULTS |                   | LANDFARM EMPLOYEE   | NOTES |
| (299)   | CHLORIDE TEST     | Garry Robinson  |       |
|         | CHLORIDE TEST     |   |       |
|         | CHLORIDE TEST     |   |       |
| PASS    | PAINT FILTER TEST | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receipt <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |

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# Bill of Lading

MANIFEST # **68244**GENERATOR **1090S**POINT OF ORIGIN **Jic 119. N 5 A**TRANSPORTER **Kelley Oil Field**DATE **03-23-21** JOB # **12035-0163**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LFII-5                           | Cont Soil | A20  | 20         | -    | -     | -                    | 502  | 0950 | Juan V.          |
| 2        | "                                | " "       | A20  | 20         | -    | -     | -                    | 504  | 0950 | Amy J.           |
| 3        | "                                | " "       | A20  | 20         | -    | -     | -                    | 511  | 0900 | Jay R.           |
| 4        | "                                | " "       | A20  | 20         | -    | -     | -                    | 504  | 1240 | Juan V.          |
| 5        | "                                | " "       | A20  | 20         | -    | -     | -                    | 502  | 1245 | Juan V.          |
| 6        | "                                | " "       | A21  | 20         | -    | -     | -                    | 511  | 1245 | Troy P.          |
| 7        | "                                | " "       | A21  | 20         | -    | -     | -                    | 504  | 1615 | Amy J.           |
| 8        | "                                | " "       | A21  | 20         | -    | -     | -                    | 502  | 1620 | Juan V.          |
| 9        | "                                | " "       | A21  | 20         | -    | -     | -                    | 511  | 1621 | Troy P.          |
|          |                                  |           |      | <b>180</b> |      |       |                      |      |      |                  |

|             |                   |          |   |       |
|-------------|-------------------|----------|---|-------|
| RESULTS     |                   |          | LANDFARM EMPLOYEE<br><b>Gary Robinson</b>   | NOTES |
| <b>299</b>  | CHLORIDE TEST     | <b>1</b> |   |       |
| <b>280</b>  | CHLORIDE TEST     | <b>1</b> | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receipt <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |
|             | CHLORIDE TEST     |          |   |       |
| <b>PASS</b> | PAINT FILTER TEST | <b>2</b> |   |       |

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## Bill of Lading

MANIFEST # **68232**GENERATOR **Logos**POINT OF ORIGIN **Jic 119 N 5A**TRANSPORTER **Kelley oil field.**DATE **03-12-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | LFIH-5                           | Cont Soil | C20  | 20         | -    | -     | -                    | 504S | 0850 | Juan V.          |
| 2        | LFIH-5                           | " "       | C20  | 20         | -    | -     | -                    | 510S | 0855 | [Signature]      |
| 3        | LFIH-5                           | " "       | C20  | 20         | -    | -     | -                    | 508S | 0900 | [Signature]      |
| 4        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 504S | 1253 | Juan V           |
| 5        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 510S | 1300 | [Signature]      |
| 6        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 508S | 1320 | [Signature]      |
| 7        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 504S | 1453 | Juan V.          |
| 8        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 510S | 1457 | [Signature]      |
| 9        | LFIH-5                           | " "       | A24  | 20         | -    | -     | -                    | 508  | 1708 | [Signature]      |
|          |                                  |           |      | <b>180</b> |      |       |                      |      |      |                  |

|   |               |          |  |       |
|---|---------------|----------|--|-------|
| RESULTS   |               |          | LANDFARM EMPLOYEE<br><b>Bary Robinson</b> <i>GWL</i> | NOTES |
| <b>L299</b>   | CHLORIDE TEST | <b>2</b> |  |       |
|   | CHLORIDE TEST |          |  |       |
|   | CHLORIDE TEST |          |  |       |
| <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receipt <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out  |               |          |  |       |
| By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |               |          |  |       |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68229**GENERATOR **Logos**POINT OF ORIGIN **Jic. 119 N 5A**TRANSPORTER **Kelley Oil Field**DATE **03-11-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFI 5                            | Cont Soil | D21  | 20         | -    | -     | -                    | 5105 | 0850 | <i>[Signature]</i> |
| 2        | "                                | "         | D21  | 20         | -    | -     | -                    | 5115 | 0853 | <i>[Signature]</i> |
| 3        | "                                | "         | D21  | 20         | -    | -     | -                    | 5045 | 0905 | <i>[Signature]</i> |
| 4        | "                                | "         | D21  | 20         | -    | -     | -                    | 5105 | 1230 | <i>[Signature]</i> |
| 5        | "                                | "         | D21  | 20         | -    | -     | -                    | 5115 | 1235 | <i>[Signature]</i> |
| 6        | "                                | "         | D20  | 20         | -    | -     | -                    | 5045 | 1247 | <i>[Signature]</i> |
| 7        | "                                | "         | D20  | 20         | -    | -     | -                    | 5105 | 1610 | <i>[Signature]</i> |
| 8        | "                                | "         | D20  | 20         | -    | -     | -                    | 5115 | 1630 | <i>[Signature]</i> |
| 9        | "                                | "         | D20  | 20         | -    | -     | -                    | 5045 | 1632 | <i>[Signature]</i> |
|          |                                  |           |      | <b>180</b> |      |       |                      |      |      |                    |

|             |                   |          |                   |  |       |
|-------------|-------------------|----------|-------------------|--|-------|
| RESULTS     |                   |          | LANDFARM EMPLOYEE | <i>Gary Robinson</i><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. | NOTES |
| <b>L299</b> | CHLORIDE TEST     | <b>2</b> |                   |  |       |
|             | CHLORIDE TEST     |          |                   |  |       |
| <b>PASS</b> | PAINT FILTER TEST | <b>2</b> |                   |  |       |

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## Bill of Lading

MANIFEST # **68222**GENERATOR **Logos**POINT OF ORIGIN **Jic 119 EN 514**TRANSPORTER **Kelley or Field**DATE **03-10-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLs | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFII-5                           | Cont Soil | D22  | 20         | -    | -     | -                    | 5105 | 0915 | <i>[Signature]</i> |
| 2        | "                                | "         | D22  | 20         | -    | -     | -                    | 5115 | 0915 | <i>[Signature]</i> |
| 3        | "                                | "         | D22  | 20         | -    | -     | -                    | 5045 | 0915 | <i>[Signature]</i> |
| 4        | "                                | "         | D23  | 20         | -    | -     | -                    | 5115 | 1300 | <i>[Signature]</i> |
| 5        | "                                | "         | D23  | 20         | -    | -     | -                    | 5105 | 1315 | <i>[Signature]</i> |
| 6        | "                                | "         | D23  | 20         | -    | -     | -                    | 5045 | 1320 | <i>[Signature]</i> |
| 7        | "                                | "         | D21  | 20         | -    | -     | -                    | 5115 | 1700 | <i>[Signature]</i> |
| 8        | "                                | "         | D21  | 20         | -    | -     | -                    | 5105 | 1705 | <i>[Signature]</i> |
| 9        | "                                | "         | D21  | 20         | -    | -     | -                    | 5045 | 1720 | <i>[Signature]</i> |
|          |                                  |           |      | <b>180</b> |      |       |                      |      |      |                    |

## RESULTS

LANDFARM  
EMPLOYEE**L299**

CHLORIDE TEST

**2**

CHLORIDE TEST

CHLORIDE TEST

**PASS**

PAINT FILTER TEST

**2**
☐ Soil w/ Debris
 ☐ After Hours/Weekend Receipt
 ☐ Scrape Out
 ☐ Wash Out

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.

## NOTES

Generator Onsite Contact \_\_\_\_\_

Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68218**  
 GENERATOR **Logos**  
 POINT OF ORIGIN **Jic. 119 N5A**  
 TRANSPORTER **Kelley Oil Field**  
 DATE **03-09-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |                               |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|-------------------------------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID                          | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFI 5                            | Cont Soil | D25                           | 20         | —    | —     | —                    | 5105 | 0847 | <i>[Signature]</i> |
| 2        | "                                | " "       | D25                           | 20         | —    | —     | —                    | 5045 | 0857 | <i>[Signature]</i> |
| 3        | "                                | " "       | D25                           | 20         | —    | —     | —                    | 5105 | 0912 | <i>[Signature]</i> |
| 4        | "                                | " "       | D25                           | 20         | —    | —     | —                    | 5105 | 1245 | <i>[Signature]</i> |
| 5        | "                                | " "       | D <sup>22</sup> <del>25</del> | 20         | —    | —     | —                    | 5045 | 1250 | <i>[Signature]</i> |
| 6        | "                                | " "       | D <sup>22</sup> <del>25</del> | 20         | —    | —     | —                    | 5105 | 1307 | <i>[Signature]</i> |
| 7        | "                                | " "       | D22                           | 20         | —    | —     | —                    | 5105 | 1625 | <i>[Signature]</i> |
| 8        | "                                | " "       | D22                           | 20         | —    | —     | —                    | 5045 | 1630 | <i>[Signature]</i> |
| 9        | "                                | " "       | D22                           | 20         | —    | —     | —                    | 5115 | 1600 | <i>[Signature]</i> |
|          |                                  |           |                               | <b>180</b> |      |       |                      |      |      |                    |

|              |                   |  |  |          |
|--------------|-------------------|--|--|----------|
| RESULTS      |                   | LANDFARM EMPLOYEE<br><i>Gary Robinson</i> <sup>Gme</sup> | NOTES<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |          |
| <b>CL299</b> | CHLORIDE TEST     |  |  | <b>2</b> |
|              | CHLORIDE TEST     |  |  |          |
|              | CHLORIDE TEST     |  |  |          |
| <b>PASS</b>  | PAINT FILTER TEST | <b>2</b>   |  |          |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68212**  
 GENERATOR Logos  
 POINT OF ORIGIN Sic 119 N 5A  
 TRANSPORTER Kelley oil Field  
 DATE 03-08-21 JOB # 12035-0155

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |            |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|------------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL   | GRID | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LF II-5                          | Con't 30il | C20  | 20         | -    | -     | -                    | 508S | 0912 | <i>[Signature]</i> |
| 2        | " "                              | " "        | C20  | 20         | -    | -     | -                    | 510S | 0915 | <i>[Signature]</i> |
| 3        | " "                              | " "        | B20  | 20         | -    | -     | -                    | 508S | 1313 | <i>[Signature]</i> |
| 4        | " "                              | " "        | B20  | 20         | -    | -     | -                    | 510S | 1313 | <i>[Signature]</i> |
| 5        | " "                              | " "        | B20  | 20         | -    | -     | -                    | 508S | 1705 | <i>[Signature]</i> |
| 6        | " "                              | " "        | B20  | 20         | -    | -     | -                    | 510S | 1706 | <i>[Signature]</i> |
|          |                                  |            |      | <u>120</u> |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |

|             |                   |                   |  |       |
|-------------|-------------------|-------------------|--|-------|
| RESULTS     |                   | LANDFARM EMPLOYEE | <i>GWR</i><br><i>Gary Robinson</i><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receival <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. | NOTES |
| <i>L299</i> | CHLORIDE TEST     | <i>2</i>          |  |       |
|             | CHLORIDE TEST     |                   |  |       |
| <i>PASS</i> | PAINT FILTER TEST | <i>2</i>          |  |       |

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## Bill of Lading

MANIFEST # **68205**  
 GENERATOR Logos  
 POINT OF ORIGIN Jic 119 N 5A  
 TRANSPORTER Kelley oil Field  
 DATE 03-05-21 JOB # 12035-0155

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFII.5                           | Con't sal | C21  | 20         | —    | —     | —                    | 5105 | 0845 | <i>[Signature]</i> |
| 2        | "                                | " "       | C21  | 20         | —    | —     | —                    | 5085 | 0904 | <i>[Signature]</i> |
| 3        | "                                | " "       | C21  | 20         | —    | —     | —                    | 5105 | 1230 | <i>[Signature]</i> |
| 4        | "                                | " "       | C21  | 20         | —    | —     | —                    | 5085 | 1245 | <i>[Signature]</i> |
| 5        | "                                | " "       | C21  | 20         | —    | —     | —                    | 5105 | 1620 | <i>[Signature]</i> |
| 6        | "                                | " "       | C21  | 20         | —    | —     | —                    | 5085 | 1630 | <i>[Signature]</i> |
|          |                                  |           |      | <u>120</u> |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |

|             |                   |                   |  |       |
|-------------|-------------------|-------------------|--|-------|
| RESULTS     |                   | LANDFARM EMPLOYEE | <i>Gary Robinson</i><br><input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. | NOTES |
| <b>L299</b> | CHLORIDE TEST     | <b>2</b>          |  |       |
|             | CHLORIDE TEST     |                   |  |       |
| <b>PASS</b> | PAINT FILTER TEST |                   |  |       |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68199**  
 GENERATOR 10905  
 POINT OF ORIGIN Jic 119, N. 5A  
 TRANSPORTER Kelley O'Field  
 DATE 03.04.21 JOB # 12035-0155

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |           |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|-----------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL  | GRID | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LFTI-5                           | Cont Soil |      | 20         | -    | -     | -                    | 5085 | 0930 | <i>[Signature]</i> |
| 2        | "                                | " "       |      | 20         | -    | -     | -                    | 5105 | 0943 | <i>[Signature]</i> |
| 3        | "                                | " "       |      | 20         | -    | -     | -                    | 5085 | 1345 | <i>[Signature]</i> |
| 4        | "                                | " "       |      | 20         | -    | -     | -                    | 5105 | 1355 | <i>[Signature]</i> |
| 5        | "                                | " "       |      | 20         | -    | -     | -                    | 5085 | 1735 | <i>[Signature]</i> |
|          |                                  |           |      | <u>100</u> |      |       |                      | 5105 | 1740 | <i>[Signature]</i> |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |
|          |                                  |           |      |            |      |       |                      |      |      |                    |

|                   |               |   |       |   |
|-------------------|---------------|---|-------|---|
| RESULTS           |               | LANDFARM EMPLOYEE<br><i>[Signature]</i><br>GW   | NOTES |   |
| 2299              | CHLORIDE TEST |   |       | 2 |
|                   | CHLORIDE TEST |   |       |   |
|                   | CHLORIDE TEST |   |       |   |
| PAINT FILTER TEST |               | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |   |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

MANIFEST # **68192**  
 GENERATOR **Logos**  
 POINT OF ORIGIN **Jic 119 N 5A**  
 TRANSPORTER **Kelley oilfield**  
 DATE **03-03-21** JOB # **12035-0155**

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |            |      |            |      |       | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|------------|------|------------|------|-------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL   | GRID | YDS        | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | LF II. 5                         | Con't Soil | C23  | 20         | -    | -     | -                    | 5105 | 0930 | <i>[Signature]</i> |
| 2        | "                                | " "        | C23  | 20         | -    | -     | -                    | 511  | 0946 | <i>[Signature]</i> |
| 3        | "                                | " "        | C23  | 20         | -    | -     | -                    | 5105 | 1315 | <i>[Signature]</i> |
| 4        | "                                | " "        | C23  | 20         | -    | -     | -                    | 511  | 1350 | <i>[Signature]</i> |
| 5        | "                                | " "        | C23  | 20         | -    | -     | -                    | 5105 | 1655 | <i>[Signature]</i> |
|          |                                  |            |      | <b>100</b> |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |
|          |                                  |            |      |            |      |       |                      |      |      |                    |

|             |                   |          |  |  |
|-------------|-------------------|----------|--|--|
| RESULTS     |                   |          | LANDFARM EMPLOYEE<br><i>[Signature: Gary Robinson]</i> <b>GW</b> | NOTES<br>By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |
| <b>C299</b> | CHLORIDE TEST     | <b>2</b> |  |  |
|             | CHLORIDE TEST     |          |  |  |
|             | CHLORIDE TEST     |          |  |  |
| <b>P455</b> | PAINT FILTER TEST | <b>2</b> |  |  |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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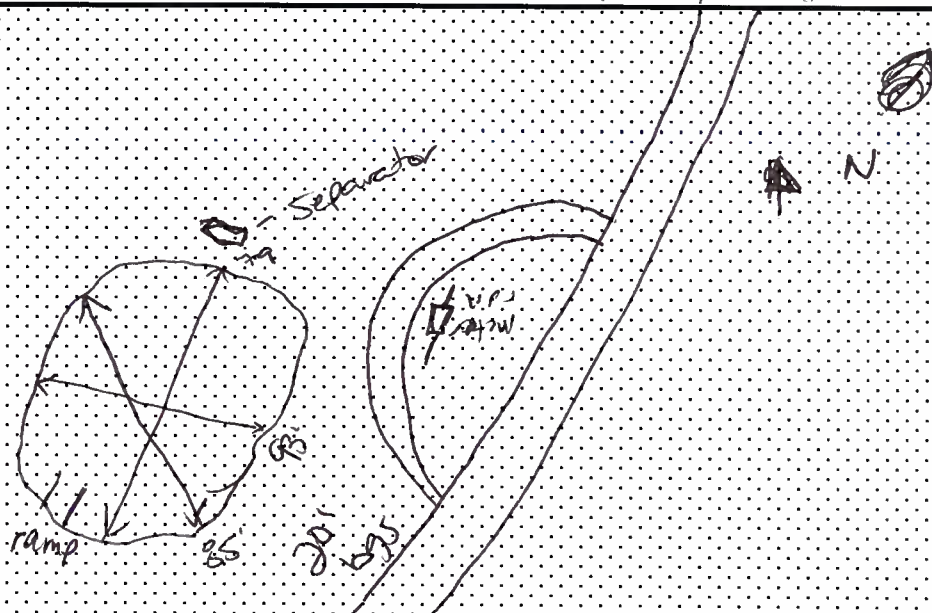
# Appendix C

## *Field Notes*



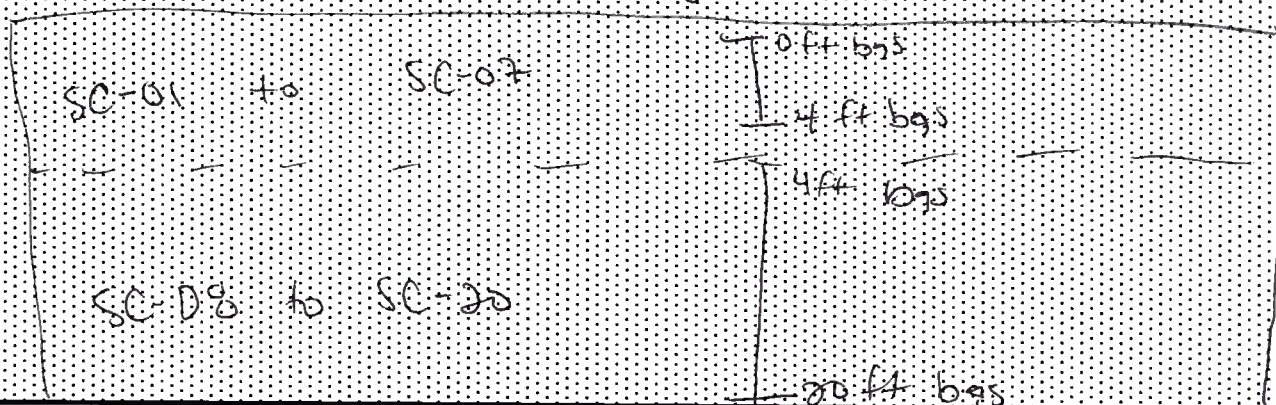
Practical Solutions for a Better Tomorrow



**SPILL PERIMETER:** Draw a schematic of the spill site. Attach photos and other diagrams as needed.**EXCAVATION PROFILE:**

SC-01 to SC-07 = upper 4 ft of excavation  
 SC-08 to SC-20 = 4 ft to 20 ft of excavation

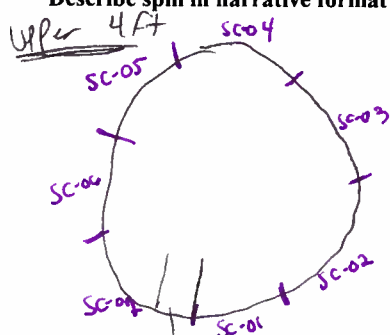
Excavation wall

**NOTES:**

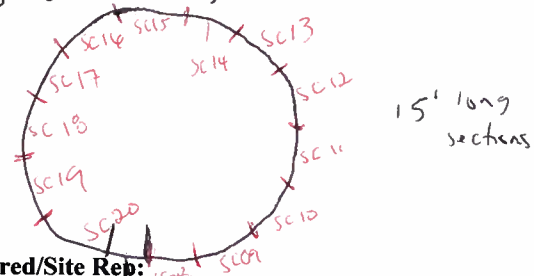
Include number of samples and borings taken, and screening types completed.

Describe spill in narrative format including amount, source and type of product.

Walls:  
 4' x 35' 6"



4 ft bgs to 20 ft bgs (walls)

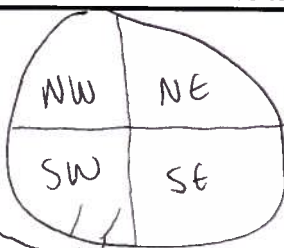


WO #:

Who Ordered/Site Rep:

ramp

base:



ramp



# Appendix D



## *Laboratory Analytical Report*



Practical Solutions for a Better Tomorrow

Report to:  
Felipe Aragon



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Logos Operating, LLC

Project Name: Jicarilla 119 N5A Confirmation  
Sampling

Work Order: E104001

Job Number: 12035-0163

Received: 4/1/2021

Revision: 2

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/9/21

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/9/21

Felipe Aragon  
2010 Afton Place  
Farmington, NM 87401



Project Name: Jicarilla 119 N5A Confirmation Sampling  
Workorder: E104001  
Date Received: 4/1/2021 9:52:00AM

Felipe Aragon,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2021 9:52:00AM, under the Project Name: Jicarilla 119 N5A Confirmation Sampling.

The analytical test results summarized in this report with the Project Name: Jicarilla 119 N5A Confirmation Sampling apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
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[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
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Field Office:

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Technical Representative/Client Services  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[lestes@envirotech-inc.com](mailto:lestes@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

|                      |                  |   |                |
|----------------------|------------------|---|----------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | Reported:      |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 04/09/21 09:07 |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| SC-1             | E104001-01A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-01B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-2             | E104001-02A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-02B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-3             | E104001-03A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-03B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-4             | E104001-04A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-04B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-5             | E104001-05A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-05B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-6             | E104001-06A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-06B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-7             | E104001-07A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-07B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-8             | E104001-08A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-08B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-9             | E104001-09A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-09B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-10            | E104001-10A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-10B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-11            | E104001-11A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-11B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-12            | E104001-12A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-12B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-13            | E104001-13A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-13B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-14            | E104001-14A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-14B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-15            | E104001-15A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-15B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-16            | E104001-16A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-16B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-17            | E104001-17A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-17B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-18            | E104001-18A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-18B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-19            | E104001-19A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-19B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SC-20            | E104001-20A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-20B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| NE Base          | E104001-21A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-21B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |



## Sample Summary

|                      |                  |   |                                    |
|----------------------|------------------|---|------------------------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b><br>04/09/21 09:07 |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           |                                    |

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| NW Base          | E104001-22A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-22B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SE Base          | E104001-23A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-23B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
| SW Base          | E104001-24A   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |
|                  | E104001-24B   | Soil   | 03/31/21 | 04/01/21 | Glass Jar, 4 oz. |





## Sample Data

|  |   |  |
|--|---|--|
| Logos Operating, LLC<br>2010 Afton Place<br>Farmington NM, 87401 | Project Name: Jicarilla 119 N5A Confirmation Sampling<br>Project Number: 12035-0163<br>Project Manager: Felipe Aragon | <b>Reported:</b><br>4/9/2021 9:07:35AM |
|--|---|--|

## SC-1

## E104001-01

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 96.5 % | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 103 %  | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/08/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/08/21       |       |
| <i>Surrogate: n-Nonane</i>                            | 130 %  | 50-200          |              | 04/05/21 | 04/08/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/05/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-2

## E104001-02

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 99.3 % | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 105 %  | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/08/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/08/21       |       |
| <i>Surrogate: n-Nonane</i>                            | 128 %  | 50-200          |              | 04/05/21 | 04/08/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/05/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-3

## E104001-03

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 95.5 % | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 104 %  | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/08/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/08/21       |       |
| <i>Surrogate: n-Nonane</i>                            | 131 %  | 50-200          |              | 04/05/21 | 04/08/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/05/21       |       |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-4

## E104001-04

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/07/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   | 96.6 % | 70-130          |          | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   | 104 %  | 70-130          |          | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   | 129 %  | 50-200          |          | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/06/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-5

## E104001-05

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            | 99.4 % | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        | 104 %  | 70-130          |              | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/08/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/08/21       |       |
| <i>Surrogate: n-Nonane</i>                            | 130 %  | 50-200          |              | 04/05/21 | 04/08/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-6

## E104001-06

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/07/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   |        | 100 %           | 70-130   | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   |        | 105 %           | 70-130   | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/07/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/07/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   |        | 134 %           | 50-200   | 04/05/21     | 04/07/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/06/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

SC-7

E104001-07

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 100 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 104 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 133 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/06/21       |       |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-8

## E104001-08

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 101 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 104 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 135 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-9

## E104001-09

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 101 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 104 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 135 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-10

## E104001-10

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/07/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   |        | 100 %           | 70-130   | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/07/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   |        | 103 %           | 70-130   | 04/06/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/07/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/07/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   |        | 135 %           | 50-200   | 04/05/21     | 04/07/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/06/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-11

## E104001-11

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/07/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 100 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/07/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 102 %           | 70-130       | 04/06/21 | 04/07/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 133 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | ND     | 20.0            | 1            | 04/05/21 | 04/06/21       |       |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-12

## E104001-12

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 101 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 103 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 131 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 33.2   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-13

## E104001-13

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/08/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   |        | 101 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   |        | 104 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/07/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/07/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   |        | 138 %           | 50-200   | 04/05/21     | 04/07/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | 34.8   | 20.0            | 1        | 04/05/21     | 04/06/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-14

## E104001-14

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 105 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 103 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | 56.6   | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 138 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 46.2   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-15

## E104001-15

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 101 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 103 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 137 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 21.6   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-16

## E104001-16

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 102 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 105 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 138 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 59.9   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-17

## E104001-17

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |              |          |                |       |
|   |        | 101 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |              |          |                |       |
|   |        | 104 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/07/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/07/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        |                 |              |          |                |       |
|   |        | 138 %           | 50-200       | 04/05/21 | 04/07/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 51.2   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-18

## E104001-18

| Analyte   | Result | Reporting Limit | Dilution     | Prepared | Analyzed       | Notes |
|---|--------|-----------------|--------------|----------|----------------|-------|
| <b>Volatile Organics by EPA 8021B</b>                 | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Benzene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Ethylbenzene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| Toluene   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| o-Xylene  | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| p,m-Xylene  | ND     | 0.0500          | 1            | 04/06/21 | 04/08/21       |       |
| Total Xylenes   | ND     | 0.0250          | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        | 103 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     | mg/kg  | mg/kg           | Analyst: RKS |          | Batch: 2115013 |       |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1            | 04/06/21 | 04/08/21       |       |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        | 104 %           | 70-130       | 04/06/21 | 04/08/21       |       |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> | mg/kg  | mg/kg           | Analyst: HT  |          | Batch: 2115005 |       |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1            | 04/05/21 | 04/08/21       |       |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1            | 04/05/21 | 04/08/21       |       |
| <i>Surrogate: n-Nonane</i>                            |        | 138 %           | 50-200       | 04/05/21 | 04/08/21       |       |
| <b>Anions by EPA 300.0/9056A</b>                      | mg/kg  | mg/kg           | Analyst: RAS |          | Batch: 2115001 |       |
| Chloride  | 64.3   | 20.0            | 1            | 04/05/21 | 04/06/21       |       |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-19

## E104001-19

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/08/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   |        | 100 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   |        | 103 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   |        | 136 %           | 50-200   | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/06/21 |                |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SC-20

## E104001-20

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organics by EPA 8021B</b>                 |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Benzene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/06/21     | 04/08/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 4-Bromochlorobenzene-PID</i>            |        |                 |          |              |          |                |
|   |        | 102 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2115013 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/06/21     | 04/08/21 |                |
| <i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>        |        |                 |          |              |          |                |
|   |        | 104 %           | 70-130   | 04/06/21     | 04/08/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115005 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| <i>Surrogate: n-Nonane</i>                            |        |                 |          |              |          |                |
|   |        | 142 %           | 50-200   | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115001 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/06/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## NE Base

## E104001-21

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Benzene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/02/21     | 04/03/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         | 96.5 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 94.7 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 | 93.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         | 96.5 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 94.7 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 | 93.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115006 |
| Diesel Range Organics (C10-C28)                       | 37.8   | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| Surrogate: n-Nonane                                   | 142 %  | 50-200          |          | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115002 |
| Chloride  | 24.3   | 20.0            | 1        | 04/05/21     | 04/05/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## NW Base

## E104001-22

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Benzene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/02/21     | 04/03/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         | 96.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.2 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 | 99.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         | 96.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 98.2 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 | 99.8 % | 70-130          |          | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115006 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| Surrogate: n-Nonane                                   | 140 %  | 50-200          |          | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115002 |
| Chloride  | 23.1   | 20.0            | 1        | 04/05/21     | 04/05/21 |                |



## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

**SE Base**  
**E104001-23**

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Benzene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/02/21     | 04/03/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         |        | 112 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/02/21     | 04/03/21 |                |
| Surrogate: Bromofluorobenzene                         |        | 112 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      |        | 101 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| Surrogate: Toluene-d8                                 |        | 105 %           | 70-130   | 04/02/21     | 04/03/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115006 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| Surrogate: n-Nonane                                   |        | 158 %           | 50-200   | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115002 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/05/21 |                |





## Sample Data

Logos Operating, LLC  
2010 Afton Place  
Farmington NM, 87401

Project Name: Jicarilla 119 N5A Confirmation Sampling  
Project Number: 12035-0163  
Project Manager: Felipe Aragon

**Reported:**  
4/9/2021 9:07:35AM

## SW Base

## E104001-24

| Analyte   | Result | Reporting Limit | Dilution | Prepared     | Analyzed | Notes          |
|---|--------|-----------------|----------|--------------|----------|----------------|
| <b>Volatile Organic Compounds by EPA 8260B</b>        |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Benzene   | ND     | 0.0250          | 1        | 04/02/21     | 04/07/21 |                |
| Ethylbenzene  | ND     | 0.0250          | 1        | 04/02/21     | 04/07/21 |                |
| Toluene   | ND     | 0.0250          | 1        | 04/02/21     | 04/07/21 |                |
| o-Xylene  | ND     | 0.0250          | 1        | 04/02/21     | 04/07/21 |                |
| p,m-Xylene  | ND     | 0.0500          | 1        | 04/02/21     | 04/07/21 |                |
| Total Xylenes   | ND     | 0.0250          | 1        | 04/02/21     | 04/07/21 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 04/02/21     | 04/07/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 96.6 % | 70-130          |          | 04/02/21     | 04/07/21 |                |
| Surrogate: Toluene-d8                                 | 102 %  | 70-130          |          | 04/02/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - GRO</b>     |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RKS |          | Batch: 2114035 |
| Gasoline Range Organics (C6-C10)                      | ND     | 20.0            | 1        | 04/02/21     | 04/07/21 |                |
| Surrogate: Bromofluorobenzene                         | 98.3 % | 70-130          |          | 04/02/21     | 04/07/21 |                |
| Surrogate: 1,2-Dichloroethane-d4                      | 96.6 % | 70-130          |          | 04/02/21     | 04/07/21 |                |
| Surrogate: Toluene-d8                                 | 102 %  | 70-130          |          | 04/02/21     | 04/07/21 |                |
| <b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b> |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: HT  |          | Batch: 2115006 |
| Diesel Range Organics (C10-C28)                       | ND     | 25.0            | 1        | 04/05/21     | 04/08/21 |                |
| Oil Range Organics (C28-C35)                          | ND     | 50.0            | 1        | 04/05/21     | 04/08/21 |                |
| Surrogate: n-Nonane                                   | 152 %  | 50-200          |          | 04/05/21     | 04/08/21 |                |
| <b>Anions by EPA 300.0/9056A</b>                      |        |                 |          |              |          |                |
|   | mg/kg  | mg/kg           |          | Analyst: RAS |          | Batch: 2115002 |
| Chloride  | ND     | 20.0            | 1        | 04/05/21     | 04/05/21 |                |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | Reported:          |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Volatile Organic Compounds by EPA 8260B

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2114035-BLK1)

Prepared: 04/02/21 Analyzed: 04/07/21

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | ND    | 0.0250 |       |  |      |        |  |  |  |
| Ethylbenzene                     | ND    | 0.0250 |       |  |      |        |  |  |  |
| Toluene                          | ND    | 0.0250 |       |  |      |        |  |  |  |
| o-Xylene                         | ND    | 0.0250 |       |  |      |        |  |  |  |
| p,m-Xylene                       | ND    | 0.0500 |       |  |      |        |  |  |  |
| Total Xylenes                    | ND    | 0.0250 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.410 |        | 0.500 |  | 81.9 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.381 |        | 0.500 |  | 76.1 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.592 |        | 0.500 |  | 118  | 70-130 |  |  |  |

## LCS (2114035-BS1)

Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |        |       |  |      |        |  |  |  |
|----------------------------------|-------|--------|-------|--|------|--------|--|--|--|
| Benzene                          | 2.87  | 0.0250 | 2.50  |  | 115  | 70-130 |  |  |  |
| Ethylbenzene                     | 2.94  | 0.0250 | 2.50  |  | 118  | 70-130 |  |  |  |
| Toluene                          | 2.93  | 0.0250 | 2.50  |  | 117  | 70-130 |  |  |  |
| o-Xylene                         | 2.88  | 0.0250 | 2.50  |  | 115  | 70-130 |  |  |  |
| p,m-Xylene                       | 5.69  | 0.0500 | 5.00  |  | 114  | 70-130 |  |  |  |
| Total Xylenes                    | 8.56  | 0.0250 | 7.50  |  | 114  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.491 |        | 0.500 |  | 98.2 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.501 |        | 0.500 |  | 100  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.512 |        | 0.500 |  | 102  | 70-130 |  |  |  |

## Matrix Spike (2114035-MS1)

Source: E103086-01 Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |        |       |    |     |        |  |  |  |
|----------------------------------|-------|--------|-------|----|-----|--------|--|--|--|
| Benzene                          | 2.66  | 0.0250 | 2.50  | ND | 107 | 48-131 |  |  |  |
| Ethylbenzene                     | 2.74  | 0.0250 | 2.50  | ND | 109 | 45-135 |  |  |  |
| Toluene                          | 2.73  | 0.0250 | 2.50  | ND | 109 | 48-130 |  |  |  |
| o-Xylene                         | 2.68  | 0.0250 | 2.50  | ND | 107 | 43-135 |  |  |  |
| p,m-Xylene                       | 5.31  | 0.0500 | 5.00  | ND | 106 | 43-135 |  |  |  |
| Total Xylenes                    | 7.98  | 0.0250 | 7.50  | ND | 106 | 43-135 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.502 |        | 0.500 |    | 100 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.507 |        | 0.500 |    | 101 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.517 |        | 0.500 |    | 103 | 70-130 |  |  |  |

## Matrix Spike Dup (2114035-MSD1)

Source: E103086-01 Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |        |       |    |      |        |      |    |  |
|----------------------------------|-------|--------|-------|----|------|--------|------|----|--|
| Benzene                          | 2.61  | 0.0250 | 2.50  | ND | 104  | 48-131 | 1.95 | 23 |  |
| Ethylbenzene                     | 2.68  | 0.0250 | 2.50  | ND | 107  | 45-135 | 2.14 | 27 |  |
| Toluene                          | 2.70  | 0.0250 | 2.50  | ND | 108  | 48-130 | 1.42 | 24 |  |
| o-Xylene                         | 2.62  | 0.0250 | 2.50  | ND | 105  | 43-135 | 2.02 | 27 |  |
| p,m-Xylene                       | 5.22  | 0.0500 | 5.00  | ND | 104  | 43-135 | 1.73 | 27 |  |
| Total Xylenes                    | 7.84  | 0.0250 | 7.50  | ND | 105  | 43-135 | 1.83 | 27 |  |
| Surrogate: Bromofluorobenzene    | 0.497 |        | 0.500 |    | 99.3 | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.499 |        | 0.500 |    | 99.8 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.514 |        | 0.500 |    | 103  | 70-130 |      |    |  |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Volatile Organics by EPA 8021B

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115013-BLK1)

Prepared: 04/06/21 Analyzed: 04/07/21

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| Ethylbenzene                        | ND   | 0.0250 |      |  |      |        |  |  |  |
| Toluene                             | ND   | 0.0250 |      |  |      |        |  |  |  |
| o-Xylene                            | ND   | 0.0250 |      |  |      |        |  |  |  |
| p,m-Xylene                          | ND   | 0.0500 |      |  |      |        |  |  |  |
| Total Xylenes                       | ND   | 0.0250 |      |  |      |        |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.86 |        | 8.00 |  | 98.3 | 70-130 |  |  |  |

## LCS (2115013-BS1)

Prepared: 04/06/21 Analyzed: 04/07/21

|                                     |      |        |      |  |      |        |  |  |  |
|-------------------------------------|------|--------|------|--|------|--------|--|--|--|
| Benzene                             | 4.67 | 0.0250 | 5.00 |  | 93.4 | 70-130 |  |  |  |
| Ethylbenzene                        | 4.60 | 0.0250 | 5.00 |  | 92.1 | 70-130 |  |  |  |
| Toluene                             | 4.74 | 0.0250 | 5.00 |  | 94.8 | 70-130 |  |  |  |
| o-Xylene                            | 4.70 | 0.0250 | 5.00 |  | 94.0 | 70-130 |  |  |  |
| p,m-Xylene                          | 9.32 | 0.0500 | 10.0 |  | 93.2 | 70-130 |  |  |  |
| Total Xylenes                       | 14.0 | 0.0250 | 15.0 |  | 93.4 | 70-130 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.93 |        | 8.00 |  | 99.2 | 70-130 |  |  |  |

## Matrix Spike (2115013-MS1)

Source: E104001-01 Prepared: 04/06/21 Analyzed: 04/07/21

|                                     |      |        |      |    |      |        |  |  |  |
|-------------------------------------|------|--------|------|----|------|--------|--|--|--|
| Benzene                             | 5.16 | 0.0250 | 5.00 | ND | 103  | 54-133 |  |  |  |
| Ethylbenzene                        | 5.12 | 0.0250 | 5.00 | ND | 102  | 61-133 |  |  |  |
| Toluene                             | 5.26 | 0.0250 | 5.00 | ND | 105  | 61-130 |  |  |  |
| o-Xylene                            | 5.22 | 0.0250 | 5.00 | ND | 104  | 63-131 |  |  |  |
| p,m-Xylene                          | 10.3 | 0.0500 | 10.0 | ND | 103  | 63-131 |  |  |  |
| Total Xylenes                       | 15.5 | 0.0250 | 15.0 | ND | 104  | 63-131 |  |  |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.97 |        | 8.00 |    | 99.6 | 70-130 |  |  |  |

## Matrix Spike Dup (2115013-MSD1)

Source: E104001-01 Prepared: 04/06/21 Analyzed: 04/07/21

|                                     |      |        |      |    |      |        |      |    |  |
|-------------------------------------|------|--------|------|----|------|--------|------|----|--|
| Benzene                             | 4.49 | 0.0250 | 5.00 | ND | 89.9 | 54-133 | 13.8 | 20 |  |
| Ethylbenzene                        | 4.41 | 0.0250 | 5.00 | ND | 88.2 | 61-133 | 14.8 | 20 |  |
| Toluene                             | 4.57 | 0.0250 | 5.00 | ND | 91.3 | 61-130 | 14.1 | 20 |  |
| o-Xylene                            | 4.50 | 0.0250 | 5.00 | ND | 89.9 | 63-131 | 14.9 | 20 |  |
| p,m-Xylene                          | 8.90 | 0.0500 | 10.0 | ND | 89.0 | 63-131 | 14.7 | 20 |  |
| Total Xylenes                       | 13.4 | 0.0250 | 15.0 | ND | 89.3 | 63-131 | 14.8 | 20 |  |
| Surrogate: 4-Bromochlorobenzene-PID | 7.84 |        | 8.00 |    | 98.0 | 70-130 |      |    |  |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2114035-BLK1)

Prepared: 04/02/21 Analyzed: 04/07/21

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND    | 20.0 |       |  |      |        |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.410 |      | 0.500 |  | 81.9 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.381 |      | 0.500 |  | 76.1 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.592 |      | 0.500 |  | 118  | 70-130 |  |  |  |

## LCS (2114035-BS2)

Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |      |       |  |      |        |  |  |  |
|----------------------------------|-------|------|-------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 60.5  | 20.0 | 50.0  |  | 121  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.492 |      | 0.500 |  | 98.4 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.499 |      | 0.500 |  | 99.8 | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.517 |      | 0.500 |  | 103  | 70-130 |  |  |  |

## Matrix Spike (2114035-MS2)

Source: E103086-01 Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |      |       |    |      |        |  |  |  |
|----------------------------------|-------|------|-------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 56.9  | 20.0 | 50.0  | ND | 114  | 70-130 |  |  |  |
| Surrogate: Bromofluorobenzene    | 0.493 |      | 0.500 |    | 98.6 | 70-130 |  |  |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.512 |      | 0.500 |    | 102  | 70-130 |  |  |  |
| Surrogate: Toluene-d8            | 0.514 |      | 0.500 |    | 103  | 70-130 |  |  |  |

## Matrix Spike Dup (2114035-MSD2)

Source: E103086-01 Prepared: 04/02/21 Analyzed: 04/02/21

|                                  |       |      |       |    |      |        |      |    |  |
|----------------------------------|-------|------|-------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 60.3  | 20.0 | 50.0  | ND | 121  | 70-130 | 5.87 | 20 |  |
| Surrogate: Bromofluorobenzene    | 0.498 |      | 0.500 |    | 99.5 | 70-130 |      |    |  |
| Surrogate: 1,2-Dichloroethane-d4 | 0.487 |      | 0.500 |    | 97.4 | 70-130 |      |    |  |
| Surrogate: Toluene-d8            | 0.507 |      | 0.500 |    | 101  | 70-130 |      |    |  |





## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115013-BLK1)

Prepared: 04/06/21 Analyzed: 04/07/21

|   |      |      |      |  |     |        |  |  |  |
|---|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | ND   | 20.0 |      |  |     |        |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.20 |      | 8.00 |  | 102 | 70-130 |  |  |  |

## LCS (2115013-BS2)

Prepared: 04/06/21 Analyzed: 04/07/21

|   |      |      |      |  |     |        |  |  |  |
|---|------|------|------|--|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 54.0 | 20.0 | 50.0 |  | 108 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.26 |      | 8.00 |  | 103 | 70-130 |  |  |  |

## Matrix Spike (2115013-MS2)

Source: E104001-01 Prepared: 04/06/21 Analyzed: 04/07/21

|   |      |      |      |    |     |        |  |  |  |
|---|------|------|------|----|-----|--------|--|--|--|
| Gasoline Range Organics (C6-C10)        | 53.1 | 20.0 | 50.0 | ND | 106 | 70-130 |  |  |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.25 |      | 8.00 |    | 103 | 70-130 |  |  |  |

## Matrix Spike Dup (2115013-MSD2)

Source: E104001-01 Prepared: 04/06/21 Analyzed: 04/07/21

|   |      |      |      |    |     |        |       |    |  |
|---|------|------|------|----|-----|--------|-------|----|--|
| Gasoline Range Organics (C6-C10)        | 53.5 | 20.0 | 50.0 | ND | 107 | 70-130 | 0.786 | 20 |  |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 8.29 |      | 8.00 |    | 104 | 70-130 |       |    |  |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HT

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115005-BLK1)

Prepared: 04/05/21 Analyzed: 04/07/21

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C35)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: <i>n</i> -Nonane     | 76.4 |      | 50.0 |  | 153 | 50-200 |  |  |  |

## LCS (2115005-BS1)

Prepared: 04/05/21 Analyzed: 04/07/21

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 546  | 25.0 | 500  |  | 109 | 38-132 |  |  |  |
| Surrogate: <i>n</i> -Nonane     | 63.4 |      | 50.0 |  | 127 | 50-200 |  |  |  |

## Matrix Spike (2115005-MS1)

Source: E104001-13 Prepared: 04/05/21 Analyzed: 04/07/21

|                                 |      |      |      |    |     |        |  |  |  |
|---------------------------------|------|------|------|----|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 531  | 25.0 | 500  | ND | 106 | 38-132 |  |  |  |
| Surrogate: <i>n</i> -Nonane     | 63.8 |      | 50.0 |    | 128 | 50-200 |  |  |  |

## Matrix Spike Dup (2115005-MSD1)

Source: E104001-13 Prepared: 04/05/21 Analyzed: 04/07/21

|                                 |      |      |      |    |     |        |      |    |  |
|---------------------------------|------|------|------|----|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 523  | 25.0 | 500  | ND | 105 | 38-132 | 1.59 | 20 |  |
| Surrogate: <i>n</i> -Nonane     | 64.3 |      | 50.0 |    | 129 | 50-200 |      |    |  |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: HT

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115006-BLK1)

Prepared: 04/05/21 Analyzed: 04/05/21

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | ND   | 25.0 |      |  |     |        |  |  |  |
| Oil Range Organics (C28-C35)    | ND   | 50.0 |      |  |     |        |  |  |  |
| Surrogate: n-Nonane             | 61.0 |      | 50.0 |  | 122 | 50-200 |  |  |  |

## LCS (2115006-BS1)

Prepared: 04/05/21 Analyzed: 04/05/21

|                                 |      |      |      |  |     |        |  |  |  |
|---------------------------------|------|------|------|--|-----|--------|--|--|--|
| Diesel Range Organics (C10-C28) | 517  | 25.0 | 500  |  | 103 | 38-132 |  |  |  |
| Surrogate: n-Nonane             | 60.2 |      | 50.0 |  | 120 | 50-200 |  |  |  |

## Matrix Spike (2115006-MS1)

Source: E103086-01 Prepared: 04/05/21 Analyzed: 04/05/21

|                                 |      |     |      |     |     |        |  |  |    |
|---------------------------------|------|-----|------|-----|-----|--------|--|--|----|
| Diesel Range Organics (C10-C28) | 1410 | 250 | 500  | 612 | 159 | 38-132 |  |  | M2 |
| Surrogate: n-Nonane             | 76.1 |     | 50.0 |     | 152 | 50-200 |  |  |    |

## Matrix Spike Dup (2115006-MSD1)

Source: E103086-01 Prepared: 04/05/21 Analyzed: 04/05/21

|                                 |      |     |      |     |     |        |      |    |  |
|---------------------------------|------|-----|------|-----|-----|--------|------|----|--|
| Diesel Range Organics (C10-C28) | 1270 | 125 | 500  | 612 | 132 | 38-132 | 10.2 | 20 |  |
| Surrogate: n-Nonane             | 75.5 |     | 50.0 |     | 151 | 50-200 |      |    |  |



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115001-BLK1)

Prepared: 04/05/21 Analyzed: 04/05/21

Chloride ND 20.0

## LCS (2115001-BS1)

Prepared: 04/05/21 Analyzed: 04/05/21

Chloride 252 20.0 250 101 90-110

## Matrix Spike (2115001-MS1)

Source: E104001-01 Prepared: 04/05/21 Analyzed: 04/05/21

Chloride 256 20.0 250 ND 102 80-120

## Matrix Spike Dup (2115001-MSD1)

Source: E104001-01 Prepared: 04/05/21 Analyzed: 04/05/21

Chloride 255 20.0 250 ND 102 80-120 0.631 20



## QC Summary Data

|                      |                  |   |                    |
|----------------------|------------------|---|--------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling | <b>Reported:</b>   |
| 2010 Afton Place     | Project Number:  | 12035-0163                              |                    |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 4/9/2021 9:07:35AM |

## Anions by EPA 300.0/9056A

Analyst: RAS

| Analyte | Result<br>mg/kg | Reporting<br>Limit<br>mg/kg | Spike<br>Level<br>mg/kg | Source<br>Result<br>mg/kg | Rec<br>% | Rec<br>Limits<br>% | RPD<br>% | RPD<br>Limit<br>% | Notes |
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|
|---------|-----------------|-----------------------------|-------------------------|---------------------------|----------|--------------------|----------|-------------------|-------|

## Blank (2115002-BLK1)

Prepared: 04/05/21 Analyzed: 04/05/21

|          |    |      |
|----------|----|------|
| Chloride | ND | 20.0 |
|----------|----|------|

## LCS (2115002-BS1)

Prepared: 04/05/21 Analyzed: 04/05/21

|          |     |      |     |      |        |
|----------|-----|------|-----|------|--------|
| Chloride | 245 | 20.0 | 250 | 97.9 | 90-110 |
|----------|-----|------|-----|------|--------|

## Matrix Spike (2115002-MS1)

Source: E104001-21 Prepared: 04/05/21 Analyzed: 04/05/21

|          |     |      |     |      |     |        |
|----------|-----|------|-----|------|-----|--------|
| Chloride | 276 | 20.0 | 250 | 24.3 | 101 | 80-120 |
|----------|-----|------|-----|------|-----|--------|

## Matrix Spike Dup (2115002-MSD1)

Source: E104001-21 Prepared: 04/05/21 Analyzed: 04/05/21

|          |     |      |     |      |      |        |      |    |
|----------|-----|------|-----|------|------|--------|------|----|
| Chloride | 271 | 20.0 | 250 | 24.3 | 98.8 | 80-120 | 1.86 | 20 |
|----------|-----|------|-----|------|------|--------|------|----|

## QC Summary Report Comment:

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





## Definitions and Notes

|                      |                  |   |                  |
|----------------------|------------------|---|------------------|
| Logos Operating, LLC | Project Name:    | Jicarilla 119 N5A Confirmation Sampling |                  |
| 2010 Afton Place     | Project Number:  | 12035-0163                              | <b>Reported:</b> |
| Farmington NM, 87401 | Project Manager: | Felipe Aragon                           | 04/09/21 09:07   |

M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



|  |  |                  |  |                        |  |                              |  |             |    |    |          |     |      |
|--|--|------------------|--|------------------------|--|------------------------------|--|-------------|----|----|----------|-----|------|
| Client: <u>Logos Operating</u>                           |  | Bill To          |  | Lab Use Only           |  | TAT                          |  | EPA Program |    |    |          |     |      |
| Project: <u>J. Carilla 119 NSA Confirmation Sampling</u> |  | Attention:       |  | Lab WO# <u>E104001</u> |  | Job Number <u>12035-0143</u> |  | 1D          | 2D | 3D | Standard | CWA | SDWA |
| Project Manager: <u>Felipe Aragon</u>                    |  | Address:         |  | Analysis and Method    |  |                              |  |             |    |    |          |     |      |
| Address:   |  | City, State, Zip |  |                        |  |                              |  |             |    |    |          |     | RCRA |
| City, State, Zip   |  | Phone:           |  |                        |  |                              |  |             |    |    |          |     |      |
| Phone:   |  | Email:           |  |                        |  |                              |  |             |    |    |          |     |      |
| Email: <u>Faragon Tknight Gcrabtree Bhall Igarcia</u>    |  |                  |  |                        |  |                              |  |             |    |    |          |     |      |
| Mflores Fitt Darter                                      |  |                  |  |                        |  |                              |  |             |    |    |          |     |      |
| Report due by:   |  |                  |  |                        |  |                              |  |             |    |    |          |     |      |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID               | Lab Number | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | CO 910.1 Table | TDS | Remarks              |
|--------------|--------------|--------|-------------------|-------------------------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------------|-----|----------------------|
| 3/31/21      | 1415         | 5      | 2                 | SC-1                    | 1          | X               | X               | X            |             | X           |                |                |     | 2-40 (see note) cool |
| 1425         | 3/31/21      | 1      | 1                 | SC-2                    | 2          |                 |                 |              |             |             |                |                |     |                      |
| 1437         |              |        |                   | SC-3                    | 3          |                 |                 |              |             |             |                |                |     |                      |
| 1440         |              |        |                   | SC-4                    | 4          |                 |                 |              |             |             |                |                |     |                      |
| 1527         |              |        |                   | SC-5                    | 5          |                 |                 |              |             |             |                |                |     |                      |
| 1509         |              |        |                   | SC-6                    | 6          |                 |                 |              |             |             |                |                |     |                      |
| 1454         |              |        |                   | BH <del>SC-6</del> SC-7 | 7          |                 |                 |              |             |             |                |                |     |                      |
| 1543         |              |        |                   | SC-8                    | 8          |                 |                 |              |             |             |                |                |     |                      |
| 1548         |              |        |                   | SC-9                    | 9          |                 |                 |              |             |             |                |                |     |                      |
| 1554         | +            |        |                   | SC-10                   | 10         |                 |                 |              |             |             |                |                |     |                      |

## Additional Instructions:

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

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

|                              |        |      |                          |        |       |  |
|------------------------------|--------|------|--------------------------|--------|-------|--|
| Relinquished by: (Signature) | Date   | Time | Received by: (Signature) | Date   | Time  | Lab Use Only<br>Received on ice: <u>Y</u> / N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C _____ |
| <u>[Signature]</u>           | 4/1/21 | 09:2 | <u>[Signature]</u>       | 4-1-21 | 09:42 |  |
| Relinquished by: (Signature) | Date   | Time | Received by: (Signature) | Date   | Time  |  |
| 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.

|   |              |        |                   |           |  |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
|---|--------------|--------|-------------------|-----------|--|-----------------|-----------------|--------------|-------------|---|----------------|----------------|-----|--|-----------------------------------|--|--|--|---------------------------------|--|
| Client: <u>Logos</u><br>Project: <u>Jicarilla 119N 6A - Confirmation</u><br>Project Manager: <u>Felipe Aragon</u><br>Address: _____<br>City, State, Zip: _____<br>Phone: _____<br>Email: <u>Faragon Tknight Gcrabtree Bhall Igarcia</u><br><u>Mflores Fitt Darter</u><br>Report due by: _____ |              |        |                   |           | Bill To<br>Attention: _____<br>Address: _____<br>City, State, Zip: _____<br>Phone: _____<br>Email: _____ |                 |                 |              |             | Lab Use Only<br>Lab WO# <u>E104001</u> Job Number <u>2035-0103</u><br>Analysis and Method |                |                |     |  | TAT<br>1D 2D 3D Standard <u>X</u> |  |  |  | EPA Program<br>CWA SDWA<br>RCRA |  |
|   |              |        |                   |           |  |                 |                 |              |             | State<br>NM CO UT AZ TX   |                |                |     |  |                                   |  |  |  |                                 |  |
|   |              |        |                   |           |  |                 |                 |              |             | Remarks<br><u>2-4oz jars</u><br><u>500 ml poly cool</u><br><u>Cool</u>                    |                |                |     |  |                                   |  |  |  |                                 |  |
| Time Sampled  | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number   | DRO/ORO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010   | Chloride 300.0 | CO 910.1 Table | TDS |  |                                   |  |  |  |                                 |  |
| 1559  | 3/31/21      | S      | 2                 | SC-11     | 11   | X               | X               | X            |             | X   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1619  |              |        |                   | SC-12     | 12   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1633  |              |        |                   | SC-13     | 13   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1631  |              |        |                   | SC-14     | 14   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1626  |              |        |                   | SC-15     | 15   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1621  |              |        |                   | SC-16     | 16   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1617  |              |        |                   | SC-17     | 17   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1610  |              |        |                   | SC-18     | 18   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1607  |              |        |                   | SC-19     | 19   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |
| 1603  |              |        |                   | SC-20     | 20   |                 |                 |              |             |   |                |                |     |  |                                   |  |  |  |                                 |  |

## Additional Instructions:

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

Sampled by: BHall

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)<br><u>Burt Hall</u> | Date<br><u>4/1/21</u> | Time<br><u>9:52</u> | Received by: (Signature)<br><u>[Signature]</u> | Date<br><u>4-1-21</u> | Time<br><u>09:52</u> | Lab Use Only<br>Received on ice: <u>Y</u> / N<br>T1 _____ T2 _____ T3 _____<br>AVG Temp °C _____ |
| Relinquished by: (Signature)                     | Date                  | Time                | Received by: (Signature)                       | Date                  | Time                 |  |
| 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.



|  |  |                  |  |                     |                   |              |             |             |                |
|--|--|------------------|--|---------------------|-------------------|--------------|-------------|-------------|----------------|
| Client: <u>10705</u>                                     |  | Bill To          |  | Lab Use Only        |                   | TAT          |             | EPA Program |                |
| Project: <u>Sanilla 119 W SA - Confirmation Sampling</u> |  | Attention:       |  | Lab WO#             | Job Number        | 1D           | 2D          | 3D          | Standard       |
| Project Manager: <u>Felipe Aragon</u>                    |  | Address:         |  | <u>E 104001</u>     | <u>12035-0163</u> |              |             |             | <u>X</u>       |
| Address:   |  | City, State, Zip |  | Analysis and Method |                   |              |             |             |                |
| City, State, Zip   |  | Phone:           |  | DRO/DRO by 8015     | GRO/DRO by 8015   | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 |
| Phone:   |  | Email:           |  | CO 910.1 Table      | TDS               |              |             |             |                |
| Email: <u>Faragon Tknight Gcrabtree Bhall Igarcia</u>    |  |                  |  | State               |                   |              |             |             |                |
| <u>Green Dcarter M. Flores - Att</u>                     |  |                  |  | NM                  | CO                | UT           | AZ          | TX          |                |
| Report due by:   |  |                  |  | Remarks             |                   |              |             |             |                |

| Time Sampled | Date Sampled | Matrix | No. of Containers | Sample ID | Lab Number | DRO/DRO by 8015 | GRO/DRO by 8015 | BTEX by 8021 | VOC by 8260 | Metals 6010 | Chloride 300.0 | CO 910.1 Table | TDS | Remarks                              |
|--------------|--------------|--------|-------------------|-----------|------------|-----------------|-----------------|--------------|-------------|-------------|----------------|----------------|-----|--------------------------------------|
| 1041         | 3/31/21      | S      | 2                 | NE Base   | 21         | X               | X               | X            | X           | X           |                |                |     | 500 ml poly cool<br>2-4 oz furs cool |
| 1035         |              |        |                   | NW Base   | 22         |                 |                 |              |             |             |                |                |     |                                      |
| 1040         |              |        |                   | SE Base   | 23         |                 |                 |              |             |             |                |                |     |                                      |
| 1030         |              |        |                   | SW Base   | 24         |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |
|              |              |        |                   |           |            |                 |                 |              |             |             |                |                |     |                                      |

## Additional Instructions:

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

Sampled by: BHall

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)<br><u>B. Hall</u> | Date<br><u>4/1/21</u> | Time<br><u>9:52</u> | Received by: (Signature)<br><u>[Signature]</u> | Date<br><u>4-1-21</u> | Time<br><u>09:52</u> | Lab Use Only<br>Received on ice: <u>Y</u> / N |
| Relinquished by: (Signature)                   | Date                  | Time                | Received by: (Signature)                       | Date                  | Time                 | T1 _____ T2 _____ T3 _____                    |
| Relinquished by: (Signature)                   | Date                  | Time                | Received by: (Signature)                       | Date                  | Time                 | AVG Temp °C _____                             |

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

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

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

## Envirotech Analytical Laboratory

Printed: 4/1/2021 12:44:51PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

|         |                      |                 |                            |                |                |
|---------|----------------------|-----------------|----------------------------|----------------|----------------|
| Client: | Logos Operating, LLC | Date Received:  | 04/01/21 09:42             | Work Order ID: | E104001        |
| Phone:  | (505)215-8215        | Date Logged In: | 04/01/21 11:57             | Logged In By:  | Alexa Michaels |
| Email:  |                      | Due Date:       | 04/08/21 17:00 (5 day TAT) |                |                |

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Brittany Hall**Comments/Resolution****Sample Turn Around Time (TAT)**

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

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

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

**Field Label**

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

**Sample Preservation**

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

**Multiphase Sample Matrix**

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

**Subcontract Laboratory**

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

**Client Instruction**

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

Date



envirotech Inc.



# Appendix E



## *Site Photography*



**Practical Solutions for a Better Tomorrow**

## Site Photo Release Closure Jicarilla 119 N 5A

### Site Area:



### Spill: Discovered February 9, 2021



Site Photography  
Logos Operating, LLC.  
Release Closure Report  
Jicarilla 119N-5A Well Site  
Rio Arriba County, New Mexico  
Project #12053-0163  
March 31, 2021



Picture 1: View of Well Site Sign



Picture 2: View of West Wall



Site Photography  
Logos Operating, LLC.  
Release Closure Report  
Jicarilla 119N-5A Well Site  
Rio Arriba County, New Mexico  
Project #12053-0163  
March 31, 2021



Picture 3: View of North Wall



Picture 4: View of South Wall



Site Photography  
Logos Operating, LLC.  
Release Closure Report  
Jicarilla 119N-5A Well Site  
Rio Arriba County, New Mexico  
Project #12053-0163  
March 31, 2021



Picture 5: View of East Wall



Picture 6: View of Base



Site Photography  
Logos Operating, LLC.  
Release Closure Report  
Jicarilla 119N-5A Well Site  
Rio Arriba County, New Mexico  
Project #12053-0163  
March 31, 2021



Picture 7: View of Sampling Activities of 4 feet bgs to 20 feet bgs



Picture 8: View of Sampling Activities of 0 feet bgs to 4 feet bgs



Site Photography  
Logos Operating, LLC.  
Release Closure Report  
Jicarilla 119N-5A Well Site  
Rio Arriba County, New Mexico  
Project #12053-0163  
March 31, 2021



Picture 7: View of Flags Identifying Sections



Picture 8: View of Backfilled Area

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 34120

CONDITIONS

|   |   |
|---|---|
| Operator:<br>LOGOS OPERATING, LLC<br>2010 Afton Place<br>Farmington, NM 87401 | OGRID:<br>289408  |
|   | Action Number:<br>34120                                   |
|   | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| nvelez     | None      | 1/20/2022      |