

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

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

Form C-144
Revised April 3, 2017

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

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

Type of action: ☐ Below grade tank registration
☐ Permit of a pit or proposed alternative method
BGT1 ☒ Closure of a pit, below-grade tank, or proposed alternative method
☐ Modification to an existing permit/or registration
☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

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

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

1.
Operator: Morning Star Operating LLC OGRID #: 330132
Address: 400 West 7th Street, Fort Worth, TX 76102
Facility or well name: Jicarilla 98 #11
API Number: 30-039-25307 OCD Permit Number: _____
U/L or Qtr/Qtr B Section 18 Township 26N Range 03W County: Rio Arriba
Center of Proposed Design: Latitude 36.49056 Longitude -107.18233 NAD83
Surface Owner: ☐ Federal ☐ State ☐ Private ☒ Tribal Trust or Indian Allotment

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

3.
☒ Below-grade tank: Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl Type of fluid: _____
Tank Construction material: _____
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☒ Visible sidewalls only ☐ Other _____
Liner type: Thickness _____ mil ☐ HDPE ☐ PVC ☐ Other _____

4.
☐ Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
☐ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution, or church)
☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet
☒ Alternate. Please specify _____

6.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)☐ Screen ☐ Netting ☐ Other _____☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers☒ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

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

Please check a box if one or more of the following is requested, if not leave blank:☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC***Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.*****General siting****Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.**☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells☐ Yes ☒ No
☐ NA**Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.**

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No
☐ NAWithin incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (**Does not apply to below grade tanks**)☐ Written confirmation or verification from the municipality; Written approval obtained from the municipality☐ Yes ☐ NoWithin the area overlying a subsurface mine. (**Does not apply to below grade tanks**)☐ Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division☐ Yes ☐ NoWithin an unstable area. (**Does not apply to below grade tanks**)☐ Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map☐ Yes ☐ NoWithin a 100-year floodplain. (**Does not apply to below grade tanks**)☐ FEMA map☐ Yes ☐ No**Below Grade Tanks**

Within 100 feet of a continuously flowing watercourse, significant watercourse, lakebed, sinkhole, wetland, or playa lake (measured from the ordinary high-water mark).

☐ Topographic map; Visual inspection (certification) of the proposed site☐ Yes ☐ No

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption.

☐ NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site☐ Yes ☐ No**Temporary Pit using Low Chloride Drilling Fluid** (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

☐ Topographic map; Visual inspection (certification) of the proposed site☐ Yes ☐ No

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Visual inspection (certification) of the proposed site; Aerial photo; Satellite image☐ Yes ☐ No

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300 feet of any other fresh water well or spring, in existence at the time of the initial application.

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 100 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Temporary Pit Non-low chloride drilling fluid

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Permanent Pit or Multi-Well Fluid Management Pit

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

10.

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

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

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

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

11.

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

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

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

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

12. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC

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

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H₂S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

13. **Proposed Closure:** 19.15.17.13 NMAC

Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

- Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fluid Management Pit
- ☐ Alternative
- Proposed Closure Method: ☐ Waste Excavation and Removal
- ☐ Waste Removal (Closed-loop systems only)
- ☐ On-site Closure Method (Only for temporary pits and closed-loop systems)
- ☐ In-place Burial ☐ On-site Trench Burial
- ☐ Alternative Closure Method

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

- ☒ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☒ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC
- ☒ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
- ☐ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15. **Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC

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

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

adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

☐ Yes ☐ No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

☐ Yes ☐ No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

16.

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

- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC
- ☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC
- ☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
- ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
- ☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

Operator Application Certification:

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

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

18.

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

OCD Representative Signature: Jaclyn Burdine Approval Date: 01/03/2023

Title: Environmental Specialist-A OCD Permit Number: BGT1

19.

Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.

☐ Closure Completion Date: _____

20.

Closure Method:

- ☒ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-loop systems only)
- ☐ If different from approved plan, please explain.

21.

Closure Report Attachment Checklist: *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

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

On-site Closure Location: Latitude 36.49056 Longitude -107.18233 NAD: ☐ 1927 ☒ 1983

22.

Operator Closure Certification:

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

Name (Print): Shawna Martinez Title: Regulatory Specialist

Signature: Shawna Martinez Date: 12/21/2022

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

Shawna Martinez

From: Shawna Martinez
Sent: Tuesday, November 15, 2022 3:01 PM
To: Burdine, Jaclyn, EMNRD; Venegas, Victoria, EMNRD
Cc: Arleen Smith; Vern Andrews; Michael Dean; 'Jason Peace'
Subject: RE: [EXTERNAL] BGT Removal Jicarilla 98 #11 30-039-25307

Good Afternoon,

Walsh Engineering on behalf of MorningStar Operating, LLC has **rescheduled the removal of BGT to tentatively November 30, 2022 @ 9:00 am**. If there are questions, please let me know.



Shawna Martinez
Regulatory Specialist
Walsh Engineering | Epic Energy, LLC
O:505-327-4892 | C:505-635-9042
shawna@walsheng.net

From: Burdine, Jaclyn, EMNRD <Jaclyn.Burdine1@emnrd.nm.gov>
Sent: Tuesday, November 15, 2022 2:53 PM
To: Shawna Martinez <shawna@walsheng.net>; Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>
Cc: Arleen Smith <arleen@walsheng.net>; Vern Andrews <vern@walsheng.net>; Michael Dean <michael.dean@walsheng.net>; 'Jason Peace' <JPEACE@CTFIELDVCS.COM>
Subject: RE: [EXTERNAL] BGT Removal Jicarilla 98 #11 30-039-25307

Thank you for the notice, it has been received and noted.

Jackie Burdine • Environmental Specialist-Advanced – Administrative Permitting Program
EMNRD - Oil Conservation Division
1220 S. St. Francis Drive | Santa Fe, NM 87505
505.469.6769 Jaclyn.Burdine1@emnrd.nm.gov
<http://www.emnrd.nm.gov/ocd>

From: Shawna Martinez <shawna@walsheng.net>
Sent: Tuesday, November 15, 2022 11:13 AM
To: Venegas, Victoria, EMNRD <Victoria.Venegas@emnrd.nm.gov>; Burdine, Jaclyn, EMNRD <Jaclyn.Burdine1@emnrd.nm.gov>
Cc: Arleen Smith <arleen@walsheng.net>; Vern Andrews <vern@walsheng.net>; Michael Dean <michael.dean@walsheng.net>; 'Jason Peace' <JPEACE@CTFIELDVCS.COM>
Subject: [EXTERNAL] BGT Removal Jicarilla 98 #11 30-039-25307

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

Walsh Engineering on behalf of MorningStar Operating LLC is providing 72-hour notification for the removal of BGT on the Jicarilla 98 #11, API # 30-039-25307. This is scheduled for Friday, November 18, 2022 @ 8:00am.

Thank You,



Shawna Martinez

Regulatory Specialist

Walsh Engineering | Epic Energy, LLC

O:505-327-4892 | C:505-635-9042

shawna@walsheng.net

30-039-25307 JICARILLA 98 #011 [329173]

General Well Information

Operator:	[330132] MorningStar Operating LLC
Status:	Plugged, Site Released
Well Type:	Gas
Work Type:	New
Surface Location:	B-18-26N-03W 1165 FNL 1450 FEL
Lat/Long:	36.49056,-107.18233 NAD83
GL Elevation:	7078
KB Elevation:	
DF Elevation:	

Thank You,



Shawna Martinez
Regulatory Specialist
Walsh Engineering | Epic Energy, LLC
O:505-327-4892 | C:505-635-9042
shawna@walsheng.net

Shawna Martinez

From: Shawna Martinez
Sent: Tuesday, November 15, 2022 11:17 AM
To: Deedra.Vicenti@bia.gov
Cc: 'Cc: Todd Osmera'; 'Cascindra Harrison'; 'Jason Sandoval'; 'Alfred Vigil Jr.'; 'Kurt Sandoval'; 'Marlena Martinez'; 'donnamontoya@jicarillaoga.com'; Arleen Smith; Vern Andrews; Michael Dean
Subject: FW: Request to perform work - Jicarilla 98 #11 30-039-25307
Attachments: Notice of Work Request Jicarilla 98 #11.pdf

Attached is the work request.



Shawna Martinez
Regulatory Specialist
Walsh Engineering | Epic Energy, LLC
O:505-327-4892 | C:505-635-9042
shawna@walsheng.net

From: Shawna Martinez
Sent: Tuesday, November 15, 2022 11:02 AM
To: Deedra.Vicenti@bia.gov
Subject: Request to perform work - Jicarilla 98 #11 30-039-25307

Good Morning,

Walsh Engineering on behalf of MorningStar Operating, LLC will be removing the BGT on Friday, November 15th, 2022. If there are questions, please let me know.



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS
JICARILLA AGENCY
P.O. BOX 167
DULCE, NEW MEXICO 87528

IN REPLY REFER TO:

Branch of Real Estate Services

Notice of Work Request

Company: **Walsh Engineering-MorningStar Operating LLC**
332 Rd 3100
Aztec, NM 87410

Lease No.: **Jicarilla Lease #98**
Location Name: **Jicarilla 98 #11**
API / ROW No.: **30-039-25307**
Legal Description: B 18, T 26N, R03W
Scope of Work: Removal of BGT
Expiration Date:

Walsh Engineering – MorningStar Operating LLC and its contractors hereby confirm completion of the above indicated BIA Approved Permission to Perform Work.

Completion Date:	
Point of Contact:	Shawna Martinez
Position Title:	Regulatory Specialist
Phone No.:	505-635-9042
Email Address:	shawna@walsheng.net

I certify that the completion of the above indicated scope of work is true and correct.

Shawna Martinez
Signature

11/15/2022
Date

Shawna Martinez

From: Martinez, Marlena <Marlena.Martinez@bia.gov>
Sent: Tuesday, November 15, 2022 11:26 AM
To: Shawna Martinez
Cc: Cc: Todd Osmera; Cascindra Harrison; Jason Sandoval; Sandoval, Kurt; donnamontoya@jicarillaoga.com; Arleen Smith; Vern Andrews; Michael Dean
Subject: Re: [EXTERNAL] Request to perform work - Jicarilla 98 #11 30-039-25307

For Your Information: Let this serve as Approval to your request for Permission to Perform Work (PTPW) on the following location, which is on Tribal Surface:

?	
Lease / IMDA No.:	98
Location Name:	Jicarilla 98 #11
API / ROW No.:	30-039-25307
Legal Description:	SEC 18, T26N, R3W
Scope of Work:	Remove BGT
Tentative Start Date:	11-15-2022
Expiration Date:	12-15-2022

Attached is BIA Notice of Completion for your submittal following completed work. You and your contractors are hereby granted permission to perform work that will expire 30 days from the date of this approval. You may submit a request for extension following expiration. Please advise should you need additional information or have any questions or concerns. Thank you.

Marlena Martinez, Realty Specialist

BIA, Jicarilla Agency
 Branch of Real Estate Services
 P.O. Box 167/120 Seneca Drive
 Dulce, New Mexico 87528
 (575) 759-3983

From: Shawna Martinez <shawna@walsheng.net>
Sent: Tuesday, November 15, 2022 11:01 AM
To: Vicenti, Deedra <Deedra.Vicenti@bia.gov>
Cc: Cc: Todd Osmera <toddosmera@jicarillaoga.com>; Cascindra Harrison <cascindrawillie@jicarillaoga.com>; Jason Sandoval <jasonsandoval@jicarillaoga.com>; Alfred Vigil Jr. <alfredvigiljr@jicarillaoga.com>; Sandoval, Kurt <Kurt.Sandoval@bia.gov>; Martinez, Marlena <Marlena.Martinez@bia.gov>; donnamontoya@jicarillaoga.com <donnamontoya@jicarillaoga.com>; Arleen Smith <arleen@walsheng.net>; Vern Andrews <vern@walsheng.net>; Michael Dean <michael.dean@walsheng.net>
Subject: [EXTERNAL] Request to perform work - Jicarilla 98 #11 30-039-25307

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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 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	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Morning Star Operating LLC	OGRID 330132
Contact Name Shawna Martinez	Contact Telephone 505-327-4892
Contact email Shawna@walsheng.net	Incident # (assigned by OCD)
Contact mailing address 332 Road 3100, Aztec, NM 87410	

Location of Release Source

Latitude 36.49056 Longitude -107.18233
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jicarilla 98 #11	Site Type Gas
Date Release Discovered N/A	API# (if applicable) 30-039-25307

Unit Letter	Section	Township	Range	County
B	18	26N	03W	Rio Arriba

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

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 type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<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: No release occurred. Analytical results from BGT removal were below regulatory standard.

Page 2

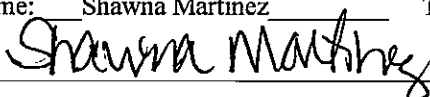
State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
<input 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:
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>Shawna Martinez</u> Title: <u>Regulatory Specialist</u>
Signature: <u></u> Date: <u>12/21/2022</u>
email: <u>Shawna@walsheng.net</u> Telephone: <u>505-327-4892</u>
<u>OCD Only</u>
Received by: _____ Date: _____

Report to:

Shawna Martinez



5796 U.S. Hwy 64
Farmington, NM 87401

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



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Morningstar Operating LLC.

Project Name: Jicarilla 98-11 P&A

Work Order: E212025

Job Number: 20100-0001

Received: 12/2/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
12/8/22

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

Date Reported: 12/8/22

Shawna Martinez
811 S. Main Ave.
Aztec, NM 87410



Project Name: Jicarilla 98-11 P&A
Workorder: E212025
Date Received: 12/2/2022 4:22:00PM

Shawna Martinez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/2/2022 4:22:00PM, under the Project Name: Jicarilla 98-11 P&A.

The analytical test results summarized in this report with the Project Name: Jicarilla 98-11 P&A 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Alexa Michaels
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Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

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Technical Representative/Client Services
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Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/08/22 14:32
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SEPARATOR	E212025-01A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
TANK	E212025-02A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
BOTTOM	E212025-03A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
EAST	E212025-04A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
NORTH	E212025-05A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
WEST	E212025-06A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
SOUTH	E212025-07A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.
WATER PIT	E212025-08A	Soil	12/02/22	12/02/22	Glass Jar, 2 oz.



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Jicarilla 98-11 P&A
Project Number: 20100-0001
Project Manager: Shawna Martinez

Reported:
12/8/2022 2:32:16PM

SEPARATOR

E212025-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250018	
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
Surrogate: n-Nonane	125 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Jicarilla 98-11 P&A
Project Number: 20100-0001
Project Manager: Shawna Martinez

Reported:
12/8/2022 2:32:16PM

TANK

E212025-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	173	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	202	50.0	1	12/07/22	12/08/22	
Surrogate: n-Nonane		125 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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BOTTOM

E212025-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250018
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID	97.8 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.1 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250052
Diesel Range Organics (C10-C28)	48.0	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	53.8	50.0	1	12/07/22	12/08/22	
Surrogate: n-Nonane	121 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Jicarilla 98-11 P&A
Project Number: 20100-0001
Project Manager: Shawna Martinez

Reported:
12/8/2022 2:32:16PM

EAST

E212025-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.2 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		122 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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NORTH

E212025-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250018	
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.5 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2250018	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2250052	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>						
	124 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2250049	
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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WEST

E212025-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2250018
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID	97.4 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.0 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
Surrogate: n-Nonane	124 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC.
811 S. Main Ave.
Aztec NM, 87410

Project Name: Jicarilla 98-11 P&A
Project Number: 20100-0001
Project Manager: Shawna Martinez

Reported:
12/8/2022 2:32:16PM

SOUTH

E212025-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Benzene	ND	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	ND	0.0250	1	12/05/22	12/06/22	
o-Xylene	ND	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	ND	0.0500	1	12/05/22	12/06/22	
Total Xylenes	ND	0.0250	1	12/05/22	12/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		97.8 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.9 %	70-130	12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	ND	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
<i>Surrogate: n-Nonane</i>		125 %	50-200	12/07/22	12/08/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: RAS		Batch: 2250049
Chloride	ND	20.0	1	12/07/22	12/07/22	



Sample Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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WATER PIT

E212025-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250018
Benzene	0.121	0.0250	1	12/05/22	12/06/22	
Ethylbenzene	ND	0.0250	1	12/05/22	12/06/22	
Toluene	0.399	0.0250	1	12/05/22	12/06/22	
o-Xylene	0.0798	0.0250	1	12/05/22	12/06/22	
p,m-Xylene	0.239	0.0500	1	12/05/22	12/06/22	
Total Xylenes	0.318	0.0250	1	12/05/22	12/06/22	
Surrogate: 4-Bromochlorobenzene-PID	99.3 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2250018
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/05/22	12/06/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		12/05/22	12/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2250052
Diesel Range Organics (C10-C28)	29.5	25.0	1	12/07/22	12/08/22	
Oil Range Organics (C28-C36)	ND	50.0	1	12/07/22	12/08/22	
Surrogate: n-Nonane	121 %	50-200		12/07/22	12/08/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2250049
Chloride	283	20.0	1	12/07/22	12/07/22	



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250018-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

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 7.79 8.00 97.4 70-130

LCS (2250018-BS1)

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.74	0.0250	5.00		94.7	70-130			
Toluene	4.84	0.0250	5.00		96.7	70-130			
o-Xylene	4.86	0.0250	5.00		97.3	70-130			
p,m-Xylene	9.60	0.0500	10.0		96.0	70-130			
Total Xylenes	14.5	0.0250	15.0		96.4	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.95 8.00 99.4 70-130

Matrix Spike (2250018-MS1)

Source: E212025-01

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.40	0.0250	5.00	ND	88.1	54-133			
Ethylbenzene	4.52	0.0250	5.00	ND	90.4	61-133			
Toluene	4.62	0.0250	5.00	ND	92.4	61-130			
o-Xylene	4.65	0.0250	5.00	ND	92.9	63-131			
p,m-Xylene	9.18	0.0500	10.0	ND	91.8	63-131			
Total Xylenes	13.8	0.0250	15.0	ND	92.1	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.94 8.00 99.3 70-130

Matrix Spike Dup (2250018-MSD1)

Source: E212025-01

Prepared: 12/05/22 Analyzed: 12/06/22

Benzene	4.30	0.0250	5.00	ND	86.1	54-133	2.29	20	
Ethylbenzene	4.41	0.0250	5.00	ND	88.2	61-133	2.44	20	
Toluene	4.51	0.0250	5.00	ND	90.2	61-130	2.33	20	
o-Xylene	4.54	0.0250	5.00	ND	90.8	63-131	2.28	20	
p,m-Xylene	8.93	0.0500	10.0	ND	89.3	63-131	2.68	20	
Total Xylenes	13.5	0.0250	15.0	ND	89.8	63-131	2.55	20	

Surrogate: 4-Bromochlorobenzene-PID 7.78 8.00 97.3 70-130



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250018-BLK1)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			

LCS (2250018-BS2)

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	49.4	20.0	50.0		98.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.23		8.00		90.4	70-130			

Matrix Spike (2250018-MS2)

Source: E212025-01

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0	ND	98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.32		8.00		91.6	70-130			

Matrix Spike Dup (2250018-MSD2)

Source: E212025-01

Prepared: 12/05/22 Analyzed: 12/06/22

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130	0.203	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130			



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250052-BLK1)

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	66.7		50.0		133	50-200			

LCS (2250052-BS1)

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	225	25.0	250		90.2	38-132			
Surrogate: n-Nonane	61.7		50.0		123	50-200			

Matrix Spike (2250052-MS1)

Source: E212025-02

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	393	25.0	250	173	88.1	38-132			
Surrogate: n-Nonane	63.7		50.0		127	50-200			

Matrix Spike Dup (2250052-MSD1)

Source: E212025-02

Prepared: 12/07/22 Analyzed: 12/08/22

Diesel Range Organics (C10-C28)	412	25.0	250	173	95.8	38-132	4.79	20	
Surrogate: n-Nonane	63.2		50.0		126	50-200			



QC Summary Data

Morningstar Operating LLC. 811 S. Main Ave. Aztec NM, 87410	Project Name: Jicarilla 98-11 P&A Project Number: 20100-0001 Project Manager: Shawna Martinez	Reported: 12/8/2022 2:32:16PM
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Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2250049-BLK1)

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride ND 20.0

LCS (2250049-BS1)

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 255 20.0 250 102 90-110

Matrix Spike (2250049-MS1)

Source: E212025-01

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 256 20.0 250 ND 102 80-120

Matrix Spike Dup (2250049-MSD1)

Source: E212025-01

Prepared: 12/07/22 Analyzed: 12/07/22

Chloride 254 20.0 250 ND 102 80-120 0.687 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

Morningstar Operating LLC.	Project Name:	Jicarilla 98-11 P&A	
811 S. Main Ave.	Project Number:	20100-0001	Reported:
Aztec NM, 87410	Project Manager:	Shawna Martinez	12/08/22 14:32

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.



Chain of Custody

Page 1 of 1



Envirotech Analytical Laboratory

Printed: 12/5/2022 12:23:40PM

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:	Morningstar Operating LLC.	Date Received:	12/02/22 16:22	Work Order ID:	E212025
Phone:	(505) 419-6055	Date Logged In:	12/05/22 09:17	Logged In By:	Caitlin Christian
Email:	shawna@walsheng.net	Due Date:	12/09/22 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

Carrier: Michael Dean

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

Comments/ResolutionSample 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? Yes
11. If yes, were custody/security seals intact? Yes
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?	No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab 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

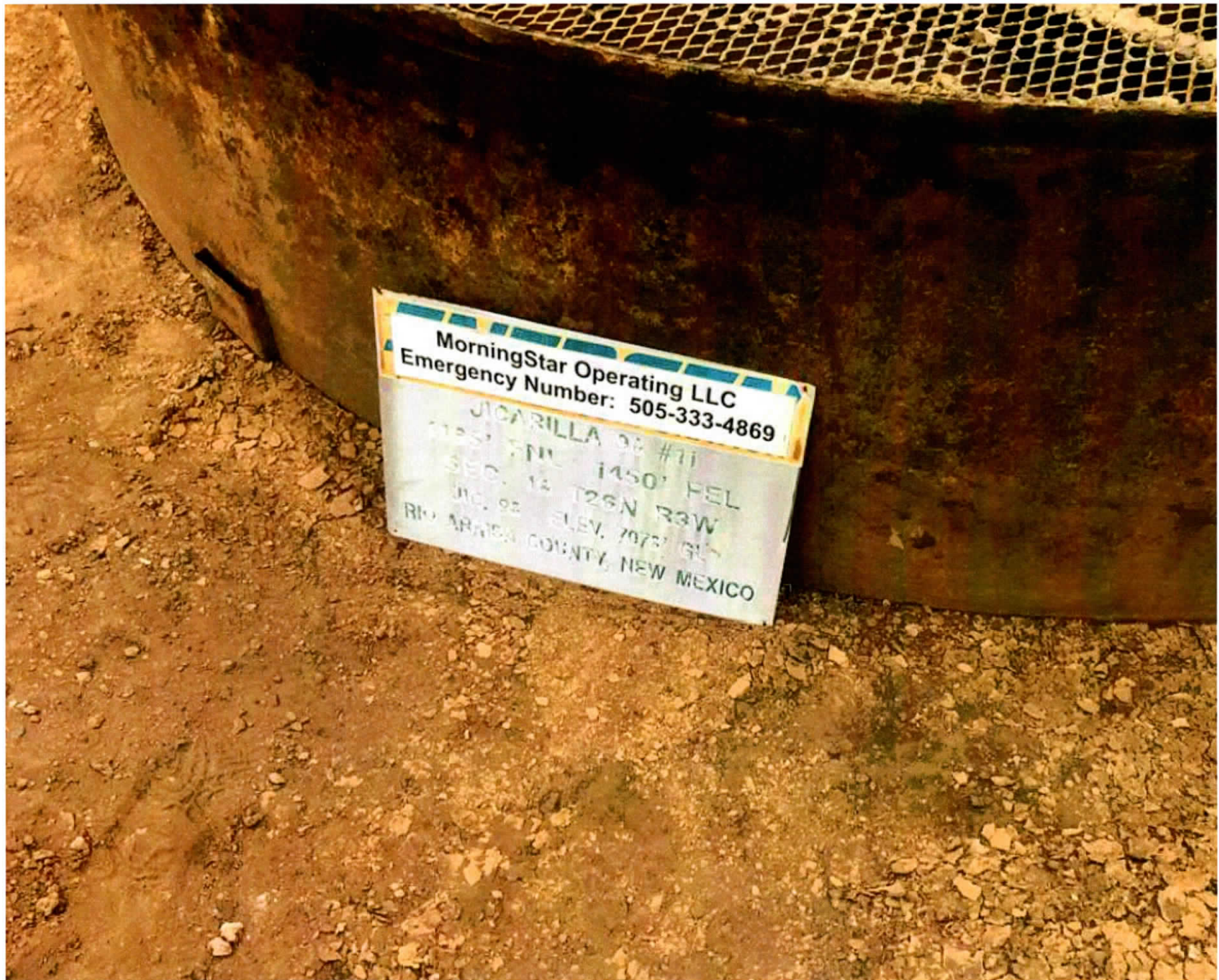
Client Instruction

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

Date



envirotech Inc.





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 171950

CONDITIONS

Operator: MorningStar Operating LLC 400 W 7th St Fort Worth, TX 76102	OGRID: 330132
	Action Number: 171950
	Action Type: [C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By	Condition	Condition Date
jburdine	None	1/3/2023