

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
 Closure of a pit, below-grade tank, or proposed alternative method
BGT1 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: Harvest Four Corners, LLC OGRID #: 37388
Address: 1755 Arroyo Dr., Bloomfield, NM 87413
Facility or well name: Richardson 11
API Number: 30-045-12178 Richardson #011 – Hilcorp (318679) OCD Permit Number: _____
U/L or Qtr/Qtr NW/NW (D) Section 22 Township 31N Range 12W County: San Juan
Center of Proposed Design: Latitude 36.888632 Longitude -108.089858 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: 45 bbl Type of fluid: Produced water
Tank Construction material: Metal
 Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
 Visible sidewalls and liner Visible sidewalls only Other no liner
Liner type: Thickness _____ mil HDPE PVC Other _____

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

5.

Fencing: Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

- Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)
- Four foot height, four strands of barbed wire evenly spaced between one and four feet
- Alternate. Please specify **Four ft high welded fence (hog wire) which may include top rebar rail or barbed wire or combination**

6.

Netting: Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

- Screen Netting Other Expanded metal
- 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 **No sign – tank scheduled for removal**

8.

Variations and Exceptions:

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

Please check a box if one or more of the following is requested, if not leave blank:

- Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.
- Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

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

- Yes No
- NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.

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

- Yes No
- NA

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)**

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

- Yes No

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**

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

- Yes No

Within an unstable area. **(Does not apply to below grade tanks)**

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

- Yes No

Within a 100-year floodplain. **(Does not apply to below grade tanks)**

- FEMA map

- Yes No

Below Grade Tanks

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

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

- Yes No

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

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

- Yes No

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

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

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

- Yes No

- Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. Yes No
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image
- 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. Yes No
 NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site
- Within 100 feet of a wetland. Yes No
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

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). Yes No
 - Topographic map; Visual inspection (certification) of the proposed site
- Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Yes No
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image
- 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; Yes No
 - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site
- Within 300 feet of a wetland. Yes No
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

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). Yes No
 - Topographic map; Visual inspection (certification) of the proposed site
- Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Yes No
 - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image
- 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. Yes No
 - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site
- Within 500 feet of a wetland. Yes No
 - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

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 | <input type="checkbox"/> Yes <input type="checkbox"/> No |

| | |
|---|--|
| adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within a 100-year floodplain. - FEMA map | <input type="checkbox"/> Yes <input type="checkbox"/> No |

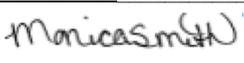
16. **On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- 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): Monica Smith Title: Environmental Specialist

Signature:  Date: 2/8/2022

e-mail address: msmith@harvestmidstream.com Telephone: (505) 632-4625

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

OCD Representative Signature: Victoria Venegas **Approval Date:** 03/11/2022

Title: Environmental Specialist **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 _____ Longitude _____ 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): Monica Smith Title: Environmental Specialist

Signature: *Monica Smith* Date: 5/23/2022

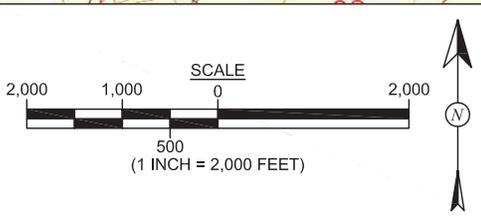
e-mail address: msmith@hravestmidstream.com Telephone: 505-632-4625

OCD Closure Report Approval: *Jaclyn Burdine* Jaclyn Burdine, Environmental Specialist-A; 7/26/2022; BGT1

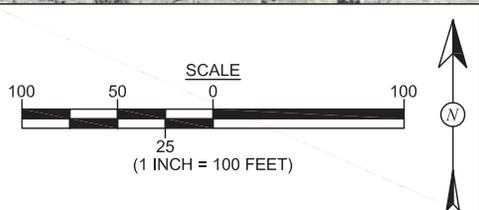
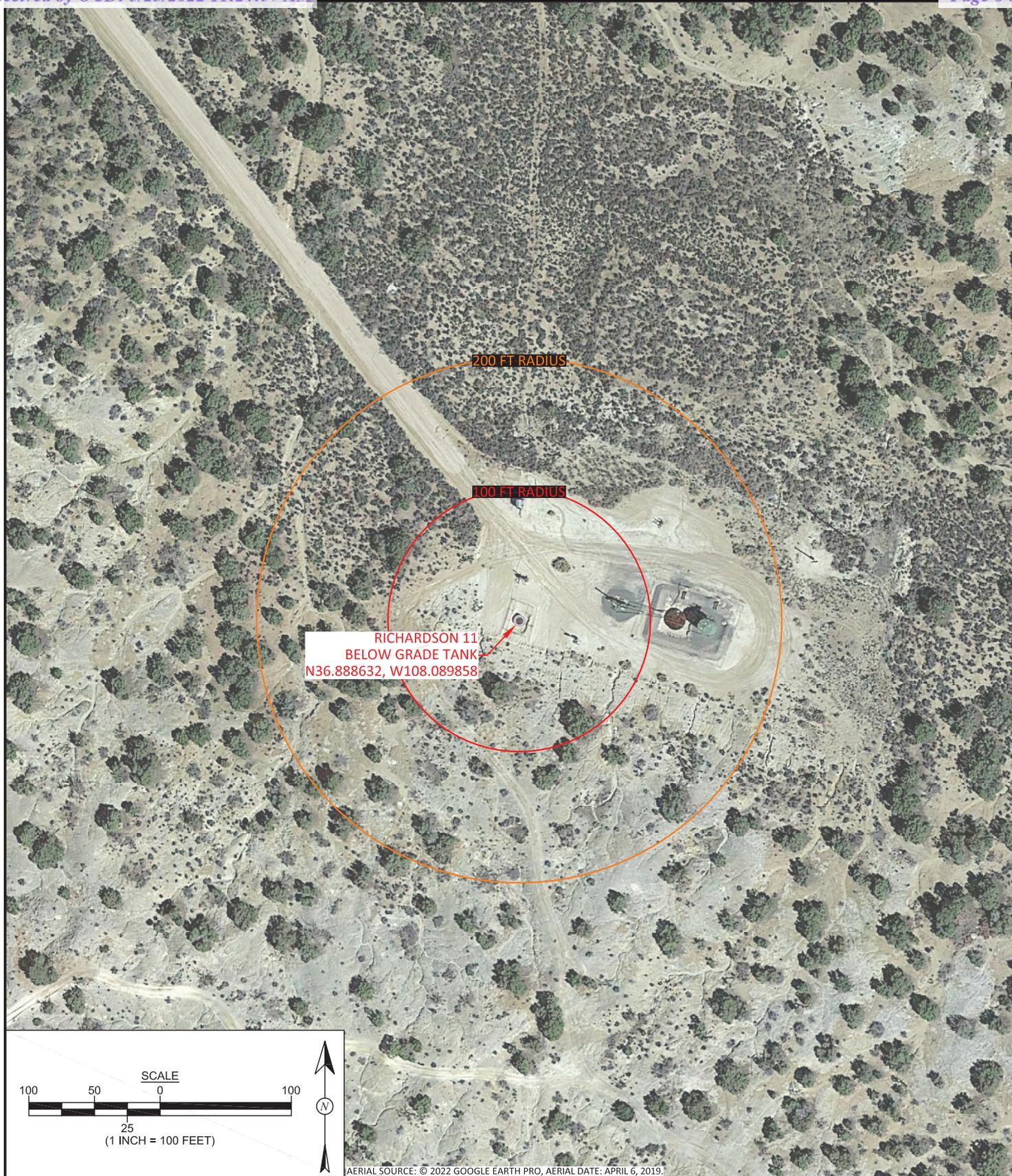


ADOBE DOWNS RANCH QUADRANGLE
 NEW MEXICO - SAN JUAN COUNTY
 1963 PHOTOREVISED 1979

FLORA VISTA QUADRANGLE
 NEW MEXICO - SAN JUAN COUNTY
 1963 PHOTOREVISED 1979



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|  <p>animas environmental services Farmington, NM • Durango, CO animasenvironmental.com</p> | <p>DRAWN BY: C. Lameman</p> | <p>DATE DRAWN: January 24, 2022</p> | <p>FIGURE 1</p> <p>TOPOGRAPHIC SITE LOCATION MAP HARVEST MIDSTREAM RICHARDSON 11 API: 30-045-12178 NW¼ NW¼, SECTION 22, T31N, R12W SAN JUAN COUNTY, NEW MEXICO N36.888632, W108.089858</p> |
| | <p>REVISIONS BY: C. Lameman</p> | <p>DATE REVISED: January 24, 2022</p> | |
| | <p>CHECKED BY: L. Cupps</p> | <p>DATE CHECKED: January 24, 2022</p> | |
| | <p>APPROVED BY: E. McNally</p> | <p>DATE APPROVED: January 24, 2022</p> | |



AERIAL SOURCE: © 2022 GOOGLE EARTH PRO, AERIAL DATE: APRIL 6, 2019.

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|  <p>animas environmental services Farmington, NM • Durango, CO animasenvironmental.com</p> | <p>DRAWN BY: C. Lameman</p> | <p>DATE DRAWN: January 24, 2022</p> | <p>FIGURE 2</p> <p>AERIAL SITE LOCATION MAP HARVEST MIDSTREAM RICHARDSON 11 API: 30-045-12178 NW¼ NW¼, SECTION 22, T31N, R12W SAN JUAN COUNTY, NEW MEXICO N36.888632, W108.089858</p> |
| | <p>REVISIONS BY: C. Lameman</p> | <p>DATE REVISED: January 24, 2022</p> | |
| | <p>CHECKED BY: L. Cupps</p> | <p>DATE CHECKED: January 24, 2022</p> | |
| | <p>APPROVED BY: E. McNally</p> | <p>DATE APPROVED: January 24, 2022</p> | |

RICHARDSON 11

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'RICHARDSON 11', which is located at 36.88880 degree, North latitude and 108.08949 degree, West longitude. This location is located on the Abode Downs Ranch 7.5' USGS topographic quadrangle. This location is in Section 22 of Township 31 North Range 12 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is La Plata, located 6.4 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 12.5 miles to the southwest (National Atlas). The nearest highway is State Highway 574, located 0.9 miles to the northeast. The location is on BLM land. This location is in the Middle San Juan Arizona, Colorado, New Mexico, Subbasin. This location is located 1908 meters or 6258 feet above sea level and receives 13 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Semi-Desert Grassland as per the Southwest Regional Gap Analysis Project.

The estimated depth to ground water at this point is 298 feet. This estimation is based on the data published on the New Mexico Engineer's NMWRSS Database website and water depth data from ConocoPhillips' Cathodic wells. The nearest stream is eleven hundred feet to the north and is classified by the USGS as an intermittent stream. The nearest perennial stream is 3,227 feet to the southwest. The nearest water body is 3,219 feet to the southwest. It is classified by the USGS as an intermittent lake and is 2.2 acres in size. The nearest spring is 34,818 feet to the east. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 8,019 feet to the northwest. The slope at this location is 4 degrees, to the north as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION—Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Blancot-Notal association, gently sloping' and is well drained and not hydric with moderate erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008.

Regional Geological context:

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it conformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett 1974 p.2.29). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett 1974 p. 34); thus, in this area, the two formations occupy the same stratigraphic interval.

Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone et al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones.

Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3,500 feet.

Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conducive to runoff than retention of precipitation.

References:

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, east-central San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

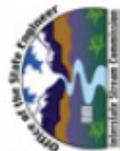
Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p.

Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

Site Specific Hydrogeology Addendum

Harvest does not have access to the referenced depth to water data from the ConocoPhillips' cathodic wells. Since there are three water wells located approximately 0.85 miles from the Richardson 11 site with depths to water ranging from 64 to 88 feet bgs, Harvest will utilize the closure standards for depths to water between 51-100 feet as noted in the attached Table 1 for the Richardson 11 BGT.



New Mexico Office of the State Engineer
Active & Inactive Points of Diversion
(with Ownership Information)

No PODs found.

PLSS Search:

Section(s): 22

Township: 31N

Range: 12W

The data is furnished by the NM/OSE/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.

10/6/21 9:21 PM

ACTIVE & INACTIVE POINTS OF DIVERSION



BGT Siting Criteria - Summary Information Sheet
19.15.17.10(A.8) NMAC

| | |
|---------------------------------|--|
| Site Name: | Richardson 11 |
| Pit Identifier: | BGT |
| API #: | 30-045-12178 |
| Lat/Long: | 36.888632, -108.089858 |
| Qtr/Qtr-Section-Township-Range: | NW/NW (D)-22-31N-12W |
| Land Jurisdiction: | Federal |
| County: | San Juan |
| Determination made by: | Lany Cupps (Environmental Coordinator) |
| Date: | 2/8/2022 |

Depth to Groundwater Determination

Is groundwater less than 25 feet below the bottom of below grade tank? Yes No

Cathodic Report/Site Specific Hydrogeology H.G. report indicates depth to groundwater is about 298' bgs

Elevation Differential --

Water Wells none in section - 3 wells located within 1 mile of site DTW 64-88 ft

Cathodic Report Nearby Wells --

Distance to Waterbodies

Is the BGT within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake? Yes No

Nearest continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark):

An unnamed significant watercourse that drains to Farmington Glade is 1100 ft to the NNW

Distance to Water Sources

Is the BGT within 200 horizontal feet of a spring or fresh water well used for public or livestock consumption? Yes No

Springs or wells within 200 feet: No springs or registered wells within 200 feet

**Harvest Four Corners LLC
Closure Plan - Below Grade Tanks**

In accordance with Rule 19.15.17.13 NMAC of the New Mexico Administrative Code (NMAC), the information within this document describes the closure requirements to be used by Harvest Four Corners LLC (Harvest) when closing Below Grade Tanks (BGTs). This is Harvest's standard procedure for all BGTs. A separate closure plan will be submitted for any BGT closure which does not conform to this plan.

| Pit Rule Citation (NMAC) | Rule Requirement | Operator Requirements |
|--------------------------|------------------|--|
| 19.15.17.13.A | Closure Plan | This plan describes Harvest proposed closure methods and the proposed procedures and protocols to implement and complete BGT closure. |
| 19.15.17.13.C(1) | | Prior to commencing BGT closure, Harvest will obtain a NMOCD approved closure plan before any closure activities start. Harvest understands that the NMOCD considers the start of closure for a BGT is when the BGT is being removed from the ground. |
| 19.15.17.13.C(2) | | Harvest will remove liquids and sludge from a BGT prior to commencing closure actions and will dispose the material in a NMOCD approved facility. |
| 19.15.17.13.C.3(a) | | Following removal of the tank and any liner material, Harvest will test the soils beneath the BGT in accordance with 19.15.17.13.C.3(a) NMAC. Samples will be collected from beneath the liner and/or BGT for obvious stained or wet soils, or any other evidence of contamination. |
| 19.15.17.13.C.3(b) | | If any contaminant concentration is higher than the parameters listed in Table I of 19.15.17.13 NMAC, the NMOCD may require additional delineation upon review of the results and Harvest must receive approval before proceeding with closure. |
| 19.15.17.13.C.3(c) | | Upon completion of BGT removal, if all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, the excavation will be backfilled with non-waste contained, uncontaminated, earthen material. |
| 19.15.17.13.E(1) | Notification | Notice of closure will be given to the surface owner at least 72 hours, but not more than one week, prior to any closure operation via Certified mail. As a variance (if approved with the closure plan), surface owners which are public entities (State, BLM, or Tribal) will be notified by email or phone. The notification of closure will include the following: operators name, well name and API number (if applicable), and location (ULSTR). |
| 19.15.17.13.E(2) | | Notice of Closure will be given to the NMOCD office at least 72 hours, but not more than one week, prior to any closure operation via Certified mail. As a variance (if approved with the closure plan), the NMOCD district office will be notified by email or phone. The notification of closure will include the following: operators name, well name and API number (if applicable), and location (ULSTR). |
| 19.15.17.13.F(1) | Reporting | Operator will send the NMOCD a closure report in accordance with 19.15.17.F(1) NMAC within 60 days of closure including the following items: Proof of closure notice, analytical results, backfill information, revegetation, and photo documentation of reclamation. Harvest understands that the NMOCD considers the closure date the day in which the BGT is backfilled and re-contoured. Revegetation is still required but, may be addressed in closure report. |
| 19.15.17.13.G.4(a) | Timing | Within 60 days of cessation of operations, Harvest will remove liquids and sludge from a BGT prior to implementing a closure method and will dispose of the material in a NMOCD approved facility. Disposal facilities to be used by Harvest are listed below based on the listed waste types. |
| 19.15.17.13.G.4(b) | | Within 6 months of cessation of operations, Harvest will dispose, recycle, reuse, or reclaim the BGT in a NMOCD approved manner. If required, Harvest will provide documentation of the disposition of the BGT to the NMOCD. Liner materials will be cleaned to remove soils or contaminated material for disposal as solid waste. Disposal facilities to be used by Harvest are listed below based on the listed waste types. |
| 19.15.17.13.H.1(a) | Reclamation | Harvest will reclaim the area by substantially restoring the impacted surface area to the condition that existed prior to oil and gas operations by placement of soil cover as described below for 19.15.17.13.H.2 NMAC. The location and associated areas will be recontoured that approximates the original contour and blends with the surrounding topography and revegetate as described below for 19.15.17.13.H.5 NMAC. |
| 19.15.17.13.H.1(b) | | Harvest will submit an alternative plan to be approved by the NMOCD and written approval from the surface owner before submitting the C-144 application. |
| 19.15.17.13.H.1(c) | | If a BGT is removed from an area where production operations will continue, the area will be reclaimed in such a way to minimize dust and erosion to the extent practicable. |
| 19.15.17.13.H.2 | | Cover will include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. |
| 19.15.17.13.H.4 | | Harvest will construct the soil cover to the existing grade to prevent ponding of water and erosion of the cover material. |

**Harvest Four Corners LLC
Closure Plan - Below Grade Tanks**

| Pit Rule Citation (NMAC) | Rule Requirement | Operator Requirements |
|--|------------------|---|
| 19.15.17.13.H.5(a) 19.15.17.13.H.5(b) 19.15.17.13.H.5(c) 19.15.17.13.H.5(d) 19.15.17.13.H.5(e) | Reclamation | For those portions of the former BGT area no longer in use with the exception where production operations will continue, the area will be reclaimed as nearly as practicable to their original condition or their final land use. Reclamation will begin as early as practical. The areas will be maintained to minimize dust and topsoils placed and contoured to limit erosion control, maintain stability, and preserve surface-water flow patterns. Harvest will seed the disturbed areas the first favorable growing season following closure of the BGT. Harvest will comply with obligations imposed by other applicable federal or tribal agencies in which their re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment. Harvest will notify the NMOCD when reclamation and re-vegetation is complete. |

| Summary of Waste Materials and Disposal Facilities | |
|--|--|
| Waste Types | Disposal Facility |
| Steel Tank | San Juan County Landfill; Steel Recycling |
| Fiberglass Tank | San Juan County Landfill; Bondad Landfill; Re-use |
| Liner (cleaned – absent soil / sludge) | San Juan County Landfill; Bondad Landfill |
| Sludge | Envirotech; Industrial Ecosystems Inc.; T-N-T; Bondad Landfill |
| Liquids (Water / Hydrocarbons) | Basin Disposal; Key Energy; T-N-T |
| Contaminated Soil | Envirotech; Industrial Ecosystems Inc.; T-N-T; Bondad Landfill |
| Fencing / Miscellaneous | Re-use or Scrap |

| Table 1 Closure Criteria for Soils Beneath Below Grade Tanks, Drying Pads Associated with Closed Loop Systems and Pits where contents are Removed | | | |
|--|-------------|---------------------------|--------------|
| Depth Below Bottom of pit to groundwater less than 10,000 mg/l | Constituent | Method | Limit** |
| ≤50 feet | Chloride | EPA 300.0 | 600 mg/kg |
| | TPH | EPA SW-846 Method 418.1 | 100 mg/kg |
| | BTEX | EPA SW-846 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 8021B or 8260B | 10 mg/kg |
| 51 feet - 100 feet | Chloride | EPA 300.0 | 10,000 mg/kg |
| | TPH | EPA SW-846 Method 418.1 | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 8021B or 8260B | 10 mg/kg |
| >100 feet | Chloride | EPA 300.0 | 20,000 mg/kg |
| | TPH | EPA SW-846 Method 418.1 | 2,500 mg/kg |
| | GRO+DRO | EPA SW-846 Method 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 8021B or 8260B | 10 mg/kg |

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 79779

CONDITIONS

| | |
|---|--|
| Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002 | OGRID: 373888 |
| | Action Number: 79779 |
| | Action Type: [C-144] Below Grade Tank Plan (C-144B) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| vvenegas | None | 3/11/2022 |

Lany Cupps

From: Auto-Receipt <noreply@mail.authorize.net>
Sent: Tuesday, February 08, 2022 2:25 PM
To: Lany Cupps
Subject: Transaction Receipt from EMNRD OCD for \$150.00 (USD)

Order Information

Description: Goods or Services
 PO Number S9TRY-220208-C-144B

Billing Information

Karen Lupton
 PO Box 8
 Farmington, NM 87499
 US
 lcupps@animasenvironmental.com
 5055642281

Shipping Information

Total: \$150.00 (USD)

Payment Information

Date/Time: 8-Feb-2022 14:25:25 MST
 Transaction ID: 43208291958
 Payment Method: Visa xxxx5169
 Transaction Type: Purchase
 Auth Code: 005615

Merchant Contact Information

EMNRD OCD
 Santa Fe, NM 87505
 US
 ocdfees@state.nm.us

Monica Smith

From: Monica Smith
Sent: Thursday, March 24, 2022 11:43 AM
To: Joyner, Ryan N; Victoria.Venegas@state.nm.us; OCD.Enviro@state.nm.us
Cc: Powell, Brandon, EMNRD
Subject: RE: Harvest Four Corners, LLC - Notice of Scheduled BGT Removal - Richardson 11

Harvest Four Corners, LLC hereby provides notice of intent to remove the following below grade tank (BGT) located on Federal Land:

Location Name: Richardson 11
API Number: 30-045-12178
Tank Description: 45 BBL Produced Water BGT
Legal Description: Qtr/Qtr NWNW (D) Section 22, Township 31N, Range 12W
GPS Coordinates: 36.888632, -108.089858
Closure plan Approved: March 11, 2022
Landowner: Federal
Scheduled Start Date/Time: Monday March 28, 2022 between 10:00 am – 11:00 am

Please let me know if there you need any additional information.

Thank You,
Monica Smith
Harvest Four Corners, LLC
msmith@harvestmidstream.com
(505) 632-4625 - office
(505) 947-1852 - cell



 **Hilcorp Energy Company**

RICHARDSON 11

LAT: 36.8887 LONG: -108.08882

UL: D, SEC: 22, T031N, R012W

990' FNL & 990' FWL

API NO. 30-045-12178

LEASE # NMSF077651 ELEV 6229

SAN JUAN COUNTY, NM

EMERGENCY NUMBER: 505-324-5170

NO SMOKING NO TRESPASSING









Remediation Excavation and Sampling Form

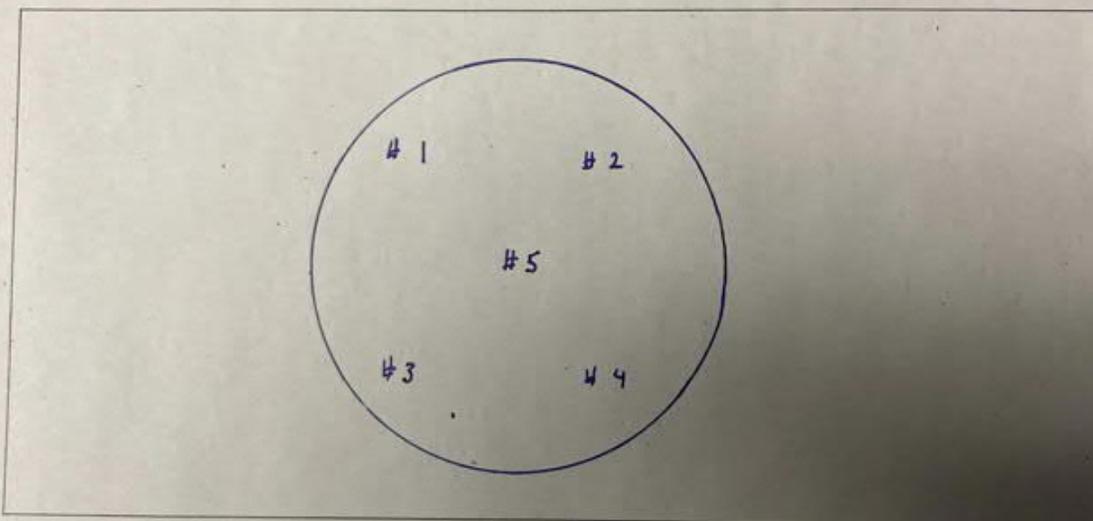
Site Name Richardson # 11

Excavation Dimensions (feet)

9'0" Length 9'0" Width 4'0" Depth

Excavation Diagram and Sample Locations

(Depict notable site features, excavation extents, visual observations, sample locations, north arrow, etc.)



Sample Information

OCD Witness Sampling Yes or No

Agency(s) Representative(s) _____

| Sample ID | Sample Date | Type (Composite, Grab) | Location (Floor, Sidewall) | Comments |
|-----------------------|----------------|---------------------------|-------------------------------|----------|
| <u>#1, 2, 3, 4, 5</u> | <u>3-28-22</u> | <u>Composite</u> | <u>Floor</u> | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 14, 2022

Stanley Dean

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Richardson 11

OrderNo.: 2203F63

Dear Stanley Dean:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/30/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2203F63**

Date Reported: **4/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest

Client Sample ID: Bottom

Project: Richardson 11

Collection Date: 3/28/2022 11:00:00 AM

Lab ID: 2203F63-001

Matrix: SOIL

Received Date: 3/30/2022 7:55:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LRN |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/2/2022 6:23:24 AM | 66584 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: SB |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 4/1/2022 1:04:33 AM | 66507 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/1/2022 1:04:33 AM | 66507 |
| Surr: DNOP | 95.6 | 51.1-141 | | %Rec | 1 | 4/1/2022 1:04:33 AM | 66507 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: BRM |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 3/31/2022 1:39:29 PM | 66501 |
| Surr: BFB | 93.0 | 37.7-212 | | %Rec | 1 | 3/31/2022 1:39:29 PM | 66501 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: BRM |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 3/31/2022 1:39:29 PM | 66501 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 3/31/2022 1:39:29 PM | 66501 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 3/31/2022 1:39:29 PM | 66501 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 3/31/2022 1:39:29 PM | 66501 |
| Surr: 4-Bromofluorobenzene | 95.8 | 70-130 | | %Rec | 1 | 3/31/2022 1:39:29 PM | 66501 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|--|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Estimated value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of range due to dilution or matrix interference | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203F63

14-Apr-22

Client: Harvest
Project: Richardson 11

| Sample ID: MB-66584 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 66584 | RunNo: 86923 | | | | | | | | |
| Prep Date: 4/1/2022 | Analysis Date: 4/2/2022 | SeqNo: 3072196 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-66584 | SampType: lcs | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 66584 | RunNo: 86923 | | | | | | | | |
| Prep Date: 4/1/2022 | Analysis Date: 4/2/2022 | SeqNo: 3072197 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.2 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203F63

14-Apr-22

Client: Harvest
Project: Richardson 11

| Sample ID: LCS-66507 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 66507 | | RunNo: 86887 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | | SeqNo: 3069715 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 45 | 10 | 50.00 | 0 | 90.1 | 68.9 | 135 | | | |
| Surr: DNOP | 3.8 | | 5.000 | | 75.1 | 51.1 | 141 | | | |

| Sample ID: MB-66507 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 66507 | | RunNo: 86887 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | | SeqNo: 3069718 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 8.9 | | 10.00 | | 88.8 | 51.1 | 141 | | | |

| Sample ID: 2203F63-001AMS | SampType: MS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Bottom | Batch ID: 66507 | | RunNo: 86887 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 4/1/2022 | | SeqNo: 3070122 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 48 | 9.9 | 49.46 | 5.049 | 87.1 | 36.1 | 154 | | | |
| Surr: DNOP | 4.1 | | 4.946 | | 82.3 | 51.1 | 141 | | | |

| Sample ID: 2203F63-001AMSD | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Bottom | Batch ID: 66507 | | RunNo: 86887 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 4/1/2022 | | SeqNo: 3070123 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 63 | 10 | 50.30 | 5.049 | 114 | 36.1 | 154 | 26.0 | 33.9 | |
| Surr: DNOP | 4.5 | | 5.030 | | 89.1 | 51.1 | 141 | 0 | 0 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203F63

14-Apr-22

Client: Harvest
Project: Richardson 11

| Sample ID: 2203f63-001ams | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: Bottom | Batch ID: 66501 | RunNo: 86898 | | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | SeqNo: 3070009 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 29 | 4.9 | 24.70 | 0 | 118 | 70 | 130 | | | |
| Surr: BFB | 2200 | | 988.1 | | 222 | 37.7 | 212 | | | S |

| Sample ID: 2203f63-001amsd | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: Bottom | Batch ID: 66501 | RunNo: 86898 | | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | SeqNo: 3070010 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 31 | 4.8 | 24.22 | 0 | 128 | 70 | 130 | 6.10 | 20 | |
| Surr: BFB | 2300 | | 969.0 | | 232 | 37.7 | 212 | 0 | 0 | S |

| Sample ID: ics-66501 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 66501 | RunNo: 86898 | | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | SeqNo: 3070030 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 27 | 5.0 | 25.00 | 0 | 107 | 72.3 | 137 | | | |
| Surr: BFB | 2100 | | 1000 | | 212 | 37.7 | 212 | | | |

| Sample ID: mb-66501 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 66501 | RunNo: 86898 | | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | SeqNo: 3070031 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 970 | | 1000 | | 97.1 | 37.7 | 212 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203F63

14-Apr-22

Client: Harvest
Project: Richardson 11

| Sample ID: LCS-66501 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 66501 | | RunNo: 86898 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | | SeqNo: 3070054 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.88 | 0.025 | 1.000 | 0 | 88.4 | 80 | 120 | | | |
| Toluene | 0.90 | 0.050 | 1.000 | 0 | 90.4 | 80 | 120 | | | |
| Ethylbenzene | 0.90 | 0.050 | 1.000 | 0 | 90.1 | 80 | 120 | | | |
| Xylenes, Total | 2.7 | 0.10 | 3.000 | 0 | 91.5 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 101 | 70 | 130 | | | |

| Sample ID: mb-66501 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|-----------------------------|---------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 66501 | | RunNo: 86898 | | | | | | | |
| Prep Date: 3/30/2022 | Analysis Date: 3/31/2022 | | SeqNo: 3070055 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.97 | | 1.000 | | 97.0 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: Harvest

Work Order Number: 2203F63

RcptNo: 1

Received By: Tracy Casarrubias 3/30/2022 7:55:00 AM

Completed By: Tracy Casarrubias 3/30/2022 8:52:00 AM

Reviewed By: DAD 3/30/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: 223/30/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.9 | Good | Yes | | | |

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 109294

CONDITIONS

| | |
|---|--|
| Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002 | OGRID: 373888 |
| | Action Number: 109294 |
| | Action Type: [C-144] Below Grade Tank Plan (C-144B) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| jburdine | None | 7/26/2022 |