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
- ☐ 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 OGRID # 373888
Address: 1755 Arroyo Dr., Bloomfield, NM 87413
Facility or well name: Whitley #7E
API Number: 30-045-26463 OCD Permit Number: _____
U/L or Qtr/Qtr F Section 9 Township 27N Range 9N County: San Juan
Center of Proposed Design: Latitude 36.59234 Longitude -107.79759 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 _____
Liner type: Thickness _____mil ☐ HDPE ☐ PVC ☒ Other unspecified

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 foot height

6.

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

☒ Screen ☐ Netting ☐ Other_____

☐ Monthly inspections (If netting or screening is not physically feasible)

7.

Signs: Subsection C of 19.15.17.11 NMAC

☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

☒ Signed in compliance with 19.15.16.8 NMAC

8.

Variances and Exceptions:

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

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

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9.

Siting Criteria (regarding permitting): 19.15.17.10 NMAC

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

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - ☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☒ Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit . NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. **(Does not apply to below grade tanks)** - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)** - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. **(Does not apply to below grade tanks)** - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. **(Does not apply to below grade tanks)** - FEMA map	☐ Yes ☐ No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit Non-low chloride drilling fluid	
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

10.

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

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

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

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

11.

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

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

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

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

12.
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
- ☐ Climatological Factors Assessment
- ☐ Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Quality Control/Quality Assurance Construction and Installation Plan
- ☐ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
- ☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
- ☐ Nuisance or Hazardous Odors, including H_2S, 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ 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	☐ Yes ☐ No ☐ 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	☐ 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 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	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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
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): Monica Smith Title: Environmental Specialist

Signature: MonicaSmith Date: 9/9/2020

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: _____ **Approval Date:** _____

Title: _____ **OCD Permit Number:** _____

19.
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC

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

☒ **Closure Completion Date:** July 10, 2020

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 *Not Applicable - no soil disposal*
- ☒ Soil Backfilling and Cover Installation
- ☐ Re-vegetation Application Rates and Seeding Technique *Not Applicable - area reasonably needed for operations*
- ☐ Site Reclamation (Photo Documentation) *Not Applicable - area reasonably needed for operations*

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: MonicaSmith Date: 9/9/2020

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

September 1, 2020

Monica Smith
Environmental Specialist
Harvest Four Corners, LLC
1755 Arroyo Dr.
Bloomfield, New Mexico 87413

Sent via electronic mail to:
msmith@Harvestmidstream.com

RE: Below Grade Tank Closure Report
Whitley #7E
API #3004526463
San Juan County, New Mexico

Dear Ms. Smith:

Animas Environmental Services, LLC (AES) is pleased to provide the final closure report for the 45-bbl below grade tank (BGT) under operational control of Harvest Four Corners (Harvest) at the Hilcorp Whitley #7E (API #3004526463), located in San Juan County, New Mexico. Tank removal and closure sampling was completed by Harvest.

1.0 Site Information

1.1 Location

Site Name – Whitley #7E
API# – 3004526463
Legal Description – SE¼ NW¼, Section 9, T27N, R9W, San Juan County, New Mexico
Well Latitude/Longitude – N36.59232 and W107.79729, respectively
BGT Latitude/Longitude – N36.59234 and W107.79759, respectively
Land Jurisdiction – Bureau of Land Management (BLM)
Figure 1. Topographic Site Location Map
Figure 2. Aerial Site Map

624 E. Comanche St. Farmington NM 87401
PO Box 8, Farmington NM 87499
505-564-2281
www.animasenvironmental.com

1.2 Depth to Groundwater Determination (NMAC 19.15.17.13 Table I)

In accordance with New Mexico Administrative Code (NMAC) 19.15.17.13 Table I (2013), BGT closure criteria in the absence of a release are based on the depth to groundwater from the bottom of the BGT:

- **Depth to Groundwater:** Prior to site work, the New Mexico Oil Conservation Division (NMOCD) database was reviewed, and well depth to water information could not be located. A site-specific hydrogeology report for the Whitley #7, located 0.38 miles south and 85 feet lower than the location, reported a depth to groundwater of 229 feet below ground surface (bgs). AES personnel concluded that depth to groundwater at the site was greater than 100 feet bgs.

Action levels are:

- 10 mg/kg benzene and 50 mg/kg total benzene, toluene, ethylbenzene, and xylene (BTEX);
- 1,000 mg/kg total petroleum hydrocarbons (TPH) as gasoline range organics (GRO) and diesel range organics (DRO);
- 2,500 mg/kg TPH as GRO, DRO, and motor oil range organics (MRO); and
- 20,000 mg/kg chloride.

2.0 Soil Sampling

On July 10, 2020, in accordance with NMAC 19.15.17.13.C(3)(a), Harvest personnel collected one 5-point soil sample (Bottom) composited from four perimeter samples and one center sample of the BGT footprint from below the BGT liner. In addition, one sample (Sides) was collected from soil adjacent to the sides of the former BGT.

2.1 Laboratory Analyses

Soil samples Bottom and Sides were laboratory analyzed for:

- BTEX per USEPA Method 8021B;
- TPH for GRO, DRO, MRO per USEPA Method 8015M/D; and
- Chloride per USEPA Method 300.0.

2.2 Laboratory Analytical Results

Laboratory analytical results are summarized in Table 1 and presented on Figure 2. The laboratory analytical report is attached.

Table 1. Soil Laboratory Analytical Results
Whitley #7E Harvest BGT Closure, July 2020

Sample ID	Date Sampled	Depth (ft)	Benzene (8021) (mg/kg)	Total BTEX (8021) (mg/kg)	TPH-GRO (8015) (mg/kg)	TPH – DRO (8015) (mg/kg)	TPH – MRO (8015) (mg/kg	Chloride (300.0) (mg/kg)
NMOCD Action Level (NMAC 19.15.17.13 Table 1)			*10*	*50*		*1,000/2,500**		*20,000*
Bottom	7/10/20	--	<0.024	<0.219	<4.9	<9.6	<48	<60
Sides	7/10/20	--	<0.024	<0.220	<4.9	320	580	<60

**Note – USEPA Method 8015 (TPH) utilized in lieu of USEPA Method 418.1.*

3.0 Conclusions and Recommendations

3.1 Confirmation Sampling

NMOCD action levels for BGT closures are specified in NMAC 19.15.17.13 Table 1 (2013). Laboratory analytical results for benzene and total BTEX concentrations were below the NMOCD action levels of 10 mg/kg and 50 mg/kg, respectively. Laboratory analytical results (per USEPA Method 8015) reported GRO and DRO below the NMOCD action level of 1,000 mg/kg for depths to groundwater greater than 100 feet. Chloride concentrations in Bottom and Sides were below the NMOCD action level of 20,000 mg/kg.

3.2 Revegetation and Site Reclamation

Because the well remains in active service, revegetation and site reclamation will not be initiated at this time. When the pipeline is taken out of service, Harvest will submit a C-144 with revegetation and site reclamation details.

Based on BGT laboratory analytical results for benzene, total BTEX, TPH, and chloride for the BGT removed from the location, the site was backfilled with clean soil. No further work is recommended at Whitley #7E for the Harvest BGT Closure.

If you have any questions about this report or site conditions, please do not hesitate to contact myself or Karen Lupton at (505) 564-2281.

Sincerely,

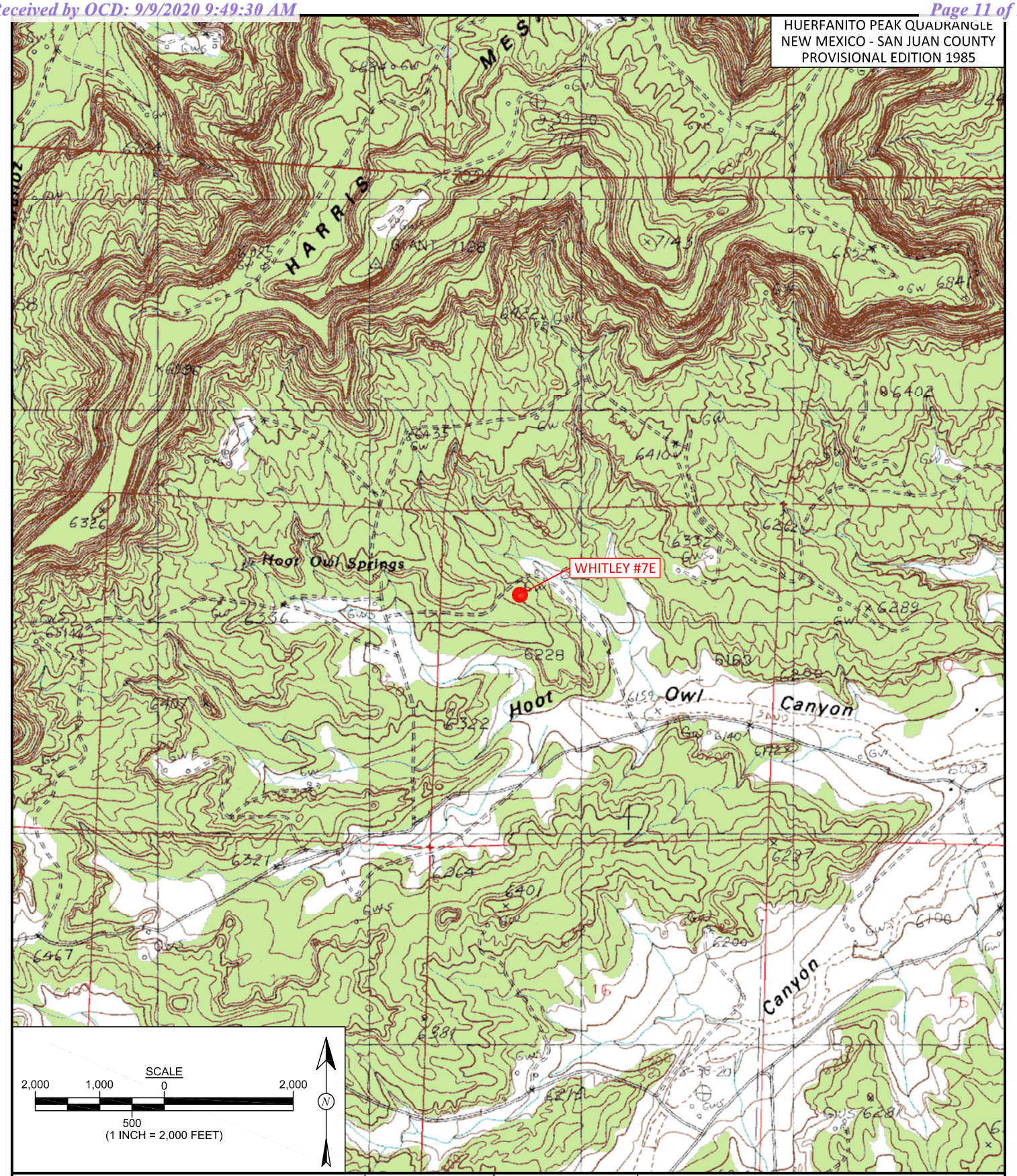
David J. Reese
Environmental Scientist

Elizabeth McNally, P.E.

Attachments:

- Figure 1. Topographic Site Location Map
- Figure 2. Aerial Site Map
- Photograph Log
- Proof of Closure Notice
- Hall Analytical Report 2007551

HarvestMidstream/Shared Documents/Whitley 7E Tank Removal/Closure Report for C-144/Whitley #7E BGT Closure Report 073020.docx



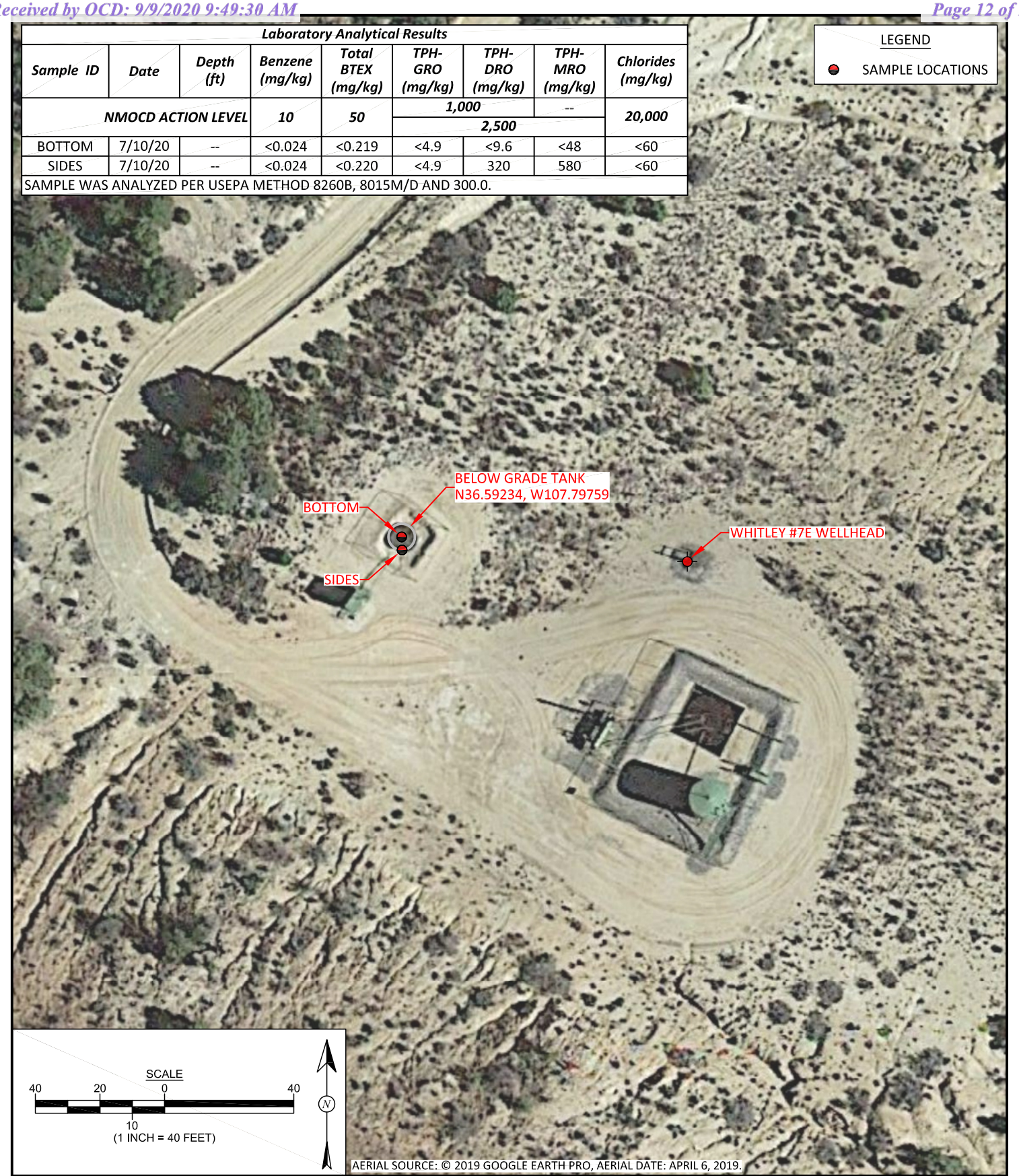
DRAWN BY: C. Lameman	**DATE DRAWN:** August 3, 2020	**FIGURE 1**
REVISIONS BY: C. Lameman	**DATE REVISED:** August 3, 2020	**TOPOGRAPHIC SITE LOCATION MAP**
CHECKED BY: E. McNally	**DATE CHECKED:** August 3, 2020	HARVEST FOUR CORNERS, LLC WHITLEY #7E API: 3004526463
APPROVED BY: E. McNally	**DATE APPROVED:** August 3, 2020	SE¼ NW¼, SECTION 9, T27N, R9W SAN JUAN COUNTY, NEW MEXICO N36.59232, W107.79729

animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

Laboratory Analytical Results

Sample ID	Date	Depth (ft)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-MRO (mg/kg)	Chlorides (mg/kg)
NMOCD ACTION LEVEL			10	50	1,000 / 2,500		--	20,000
BOTTOM	7/10/20	--	<0.024	<0.219	<4.9	<9.6	<48	<60
SIDES	7/10/20	--	<0.024	<0.220	<4.9	320	580	<60

SAMPLE WAS ANALYZED PER USEPA METHOD 8260B, 8015M/D AND 300.0.



animas environmental services
Farmington, NM • Durango, CO
animasenvironmental.com

DRAWN BY: C. Lameman	DATE DRAWN: August 3, 2020
REVISIONS BY: C. Lameman	DATE REVISED: August 3, 2020
CHECKED BY: E. McNally	DATE CHECKED: August 3, 2020
APPROVED BY: E. McNally	DATE APPROVED: August 3, 2020

FIGURE 2

AERIAL SITE MAP
BELOW GRADE TANK CLOSURE, JULY 2020
HARVEST FOUR CORNERS, LLC
WHITLEY #7E
API: 3004526463
SE¼ NW¼, SECTION 9, T27N, R9W
SAN JUAN COUNTY, NEW MEXICO
N36.59232, W107.79729

Photo 1: Whitley #7E – Removed Harvest BGT.

Photo 2: Whitley #7E after BGT removal backfill. View is toward Hilcorp well.

Photo 3: Whitley #7E signage

From: Monica Smith
To: Smith, Cory, EMNRD
Subject: Notice of Harvest Four Corners, Whitley #007E BGT Removal
Attachments: New Mexico OCD Application Submission was Approved by the OCD - 062620.pdf

---

Cory,

Operations would like to proceed with BGT removal for Whitley #007E on Friday July 10th at 9:00am.

Whitley #007E
API#30-045-26463
Lat/ Long: 36.59223, -107.79759
Section 9, Township 27N Range 9W Otr/Otr F, San Juan County, NM

Please let me know if the short notice is not acceptable as I have been out of the office this week, and am just now getting to the notification or if you have any questions regarding the proposed BGT removal and/or schedule.

Thank you,

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 21, 2020

Jesse Graham

Harvest
1755 Arroyo Dr.
Bloomfield, NM 87413
TEL: (505) 632-4475
FAX:

RE: Whitley 7E pit OrderNo.: 2007551

Dear Jesse Graham:

Hall Environmental Analysis Laboratory received 2 sample(s) on 7/11/2020 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,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2007551**
Date Reported: **7/21/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Bottom
Project: Whitley 7E pit
Collection Date: 7/10/2020 10:10:00 AM
Lab ID: 2007551-001 **Matrix:** SOIL **Received Date:** 7/11/2020 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst: **CJS**	
Chloride	ND	60		mg/Kg	20	7/17/2020 12:56:46 AM	53769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **BRM**	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/16/2020 5:55:01 PM	53735
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2020 5:55:01 PM	53735
Surr: DNOP	104	55.1-146		%Rec	1	7/16/2020 5:55:01 PM	53735
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2020 8:00:54 PM	53699
Surr: BFB	87.9	66.6-105		%Rec	1	7/15/2020 8:00:54 PM	53699
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	0.024		mg/Kg	1	7/15/2020 8:00:54 PM	53699
Toluene	ND	0.049		mg/Kg	1	7/15/2020 8:00:54 PM	53699
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2020 8:00:54 PM	53699
Xylenes, Total	ND	0.097		mg/Kg	1	7/15/2020 8:00:54 PM	53699
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	7/15/2020 8:00:54 PM	53699

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	Value above quantitation range
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2007551**
Date Reported: **7/21/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Harvest
Client Sample ID: Sides
Project: Whitley 7E pit
Collection Date: 7/10/2020 10:11:00 AM
Lab ID: 2007551-002 **Matrix:** SOIL **Received Date:** 7/11/2020 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	**CJS**
Chloride	ND	60		mg/Kg	20	7/17/2020 1:34:00 AM	53769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**BRM**
Diesel Range Organics (DRO)	320	9.0		mg/Kg	1	7/17/2020 7:18:12 PM	53735
Motor Oil Range Organics (MRO)	580	45		mg/Kg	1	7/17/2020 7:18:12 PM	53735
Surr: DNOP	147	55.1-146	S	%Rec	1	7/17/2020 7:18:12 PM	53735
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**NSB**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/15/2020 9:11:14 PM	53699
Surr: BFB	83.8	66.6-105		%Rec	1	7/15/2020 9:11:14 PM	53699
EPA METHOD 8021B: VOLATILES						Analyst:	**NSB**
Benzene	ND	0.024		mg/Kg	1	7/15/2020 9:11:14 PM	53699
Toluene	ND	0.049		mg/Kg	1	7/15/2020 9:11:14 PM	53699
Ethylbenzene	ND	0.049		mg/Kg	1	7/15/2020 9:11:14 PM	53699
Xylenes, Total	ND	0.098		mg/Kg	1	7/15/2020 9:11:14 PM	53699
Surr: 4-Bromofluorobenzene	106	80-120		%Rec	1	7/15/2020 9:11:14 PM	53699

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	Value above quantitation range
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007551**

21-Jul-20

Client: Harvest

Project: Whitley 7E pit

Sample ID: **MB-53769**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **53769**	RunNo: **70388**							
Prep Date: **7/16/2020**	Analysis Date: **7/17/2020**	SeqNo: **2447766**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-53769**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **53769**	RunNo: **70388**							
Prep Date: **7/16/2020**	Analysis Date: **7/17/2020**	SeqNo: **2447767**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007551**

21-Jul-20

Client: Harvest

Project: Whitley 7E pit

Sample ID: **LCS-53718**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **53718**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448151**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.6		5.000		71.7	55.1	146			

Sample ID: **LCS-53735**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **53735**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448152**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	105	70	130			
Surr: DNOP	4.5		5.000		90.1	55.1	146			

Sample ID: **MB-53718**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **53718**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448153**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.2		10.00		72.3	55.1	146			

Sample ID: **MB-53735**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **53735**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448154**	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	8.5		10.00		85.3	55.1	146			

Sample ID: **2007551-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **Bottom**	Batch ID: **53735**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448155**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.7	48.69	6.092	97.9	47.4	136			
Surr: DNOP	4.5		4.869		92.6	55.1	146			

Sample ID: **2007551-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **Bottom**	Batch ID: **53735**	RunNo: **70424**							
Prep Date: **7/15/2020**	Analysis Date: **7/16/2020**	SeqNo: **2448156**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	9.5	47.39	6.092	111	47.4	136	8.71	43.4	

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2007551**
21-Jul-20

Client: Harvest
Project: Whitley 7E pit

Sample ID: **2007551-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **Bottom** Batch ID: **53735** RunNo: **70424**
Prep Date: **7/15/2020** Analysis Date: **7/16/2020** SeqNo: **2448156** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.4		4.739		135	55.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
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 Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2007551**
21-Jul-20

Client: Harvest
Project: Whitley 7E pit

Sample ID: **mb-53699**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/16/2020**	SeqNo: **2445995** 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	920		1000		92.4	66.6	105			

Sample ID: **lcs-53699**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2445996** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.1	80	120			
Surr: BFB	960		1000		96.4	66.6	105			

Sample ID: **2007551-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Sides**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2445999** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.7	23.61	0	87.0	80	120			
Surr: BFB	920		944.3		97.3	66.6	105			

Sample ID: **2007551-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **Sides**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2446000** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.56	0	83.2	80	120	0.520	20	
Surr: BFB	950		982.3		96.8	66.6	105	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2007551**

21-Jul-20

Client: Harvest

Project: Whitley 7E pit

Sample ID: **mb-53699**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/16/2020**	SeqNo: **2446043** 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	1.1		1.000		109	80	120			

Sample ID: **LCS-53699**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2446044** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	99.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		110	80	120			

Sample ID: **2007551-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Bottom**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2446046** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9425	0	105	78.5	119			
Toluene	1.0	0.047	0.9425	0	107	75.7	123			
Ethylbenzene	1.0	0.047	0.9425	0	107	74.3	126			
Xylenes, Total	3.1	0.094	2.828	0	108	72.9	130			
Surr: 4-Bromofluorobenzene	1.0		0.9425		108	80	120			

Sample ID: **2007551-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **Bottom**	Batch ID: **53699**	RunNo: **70352**
Prep Date: **7/14/2020**	Analysis Date: **7/15/2020**	SeqNo: **2446047** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9470	0	98.5	78.5	119	5.65	20	
Toluene	0.94	0.047	0.9470	0	99.4	75.7	123	6.42	20	
Ethylbenzene	0.96	0.047	0.9470	0	102	74.3	126	4.45	20	
Xylenes, Total	2.9	0.095	2.841	0	103	72.9	130	4.68	20	
Surr: 4-Bromofluorobenzene	1.0		0.9470		106	80	120	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **Harvest** Work Order Number: **2007551** RcptNo: 1

Received By: **Isaiah Ortiz** **7/11/2020 7:05:00 AM** I-Ox

Completed By: **Isaiah Ortiz** **7/11/2020 7:57:41 AM** I-Ox

Reviewed By: Tom 7/11/2020

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 ☑

    # of preserved bottles checked for pH: 7/11/20 (<2 or >12 unless noted) — IO

    Adjusted?

    Checked by:
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 ☐

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	3.1	Good	Not Present			

Chain-of-Custody Record

Client: Harvest Midstream

Mailing Address: 1755 Arroyo Dr. Bloomfield Nm.

Phone #: 505-634-4953

email or Fax#: Monica Sandoval, Kijan Hong

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: ~~Central~~ whitley 7E pit

Project #:

Project Manager: Jesse Graham

Sampler: Jesse Graham

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.1-0 ff) 3.1°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 2007551	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F^-,Cl^-,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
7-10-20	10:10	Soil	Bottom	4 oz	Cool	001	X		X					X								
7-10-20	10:11	Soil	Sides	4oz	cool	002	X		X					X								

Date	Time	Relinquished by:	Received by:	Date	Time
7/10/2020	1210			7/10/2020	1210
7/10/2020	1721	Christine Walters		7/11/20	0705

Remarks:
cc jegraham@harvestmidstream.com
Sdean@harrestmidstream.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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 10085

CONDITIONS

Operator: Harvest Four Corners, LLC 1111 Travis Street Houston, TX 77002	OGRID: 373888
	Action Number: 10085
	Action Type: [C-144] PIT Generic Plan (C-144)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	11/3/2021