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.

# Proposed Alternative Method Permit or Closure Plan Application

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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	tted pit, below-grade tank,
or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank of	<del>-</del>
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of nvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental a	
ı.  Operator:Harvest Four Corners, LLCOGRID #:3738	38
Address: _1755 Arroyo Dr, Bloomfield, NM 87413	
Facility or well name:Florance P CDP	
API Number:30-045-21811OCD Permit Number:	
U/L or Qtr/QtrI Section35 Township30N Range8W	
Center of Proposed Design: Latitude	
Surface Owner: 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: Thicknessmil LLDPE HDPE PVC Other	•
☐ String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimension	s: L x W x D
3. Subsection I of 19.15.17.11 NMAC	
Volume:45bbl Type of fluid: Produced Water	
Tank Construction material:Steel tank with expanded metal top	
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: Thicknessmil	
4.	
Alternative Method:	.66: 6
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau of	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 permane institution or church)	nt residence, school, hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet	
Alternate. Please specifyHog wire fence with T-posts and top rail	

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	
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. <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC <i>Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptate are provided below.</i> Siting criteria does not apply to drying pads or above-grade tanks.	otable source
<b>General siting</b>	
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. ( <b>Does not apply to below grade tanks</b> )  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within the area overlying a subsurface mine. ( <b>Does not apply to below grade tanks</b> ) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain. ( <b>Does not apply to below grade tanks</b> ) - 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
<u>Temporary Pit using Low Chloride Drilling Fluid</u> (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 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
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the docattached.    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 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. and 19.15.17.13 NMAC   Previously Approved Design (attach copy of design)   API Number: or Permit Number: or Permit Number:	NMAC 15.17.9 NMAC
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 docattached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Design 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 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:	

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 definition is a check mark in the box, that the definition is a check mark in the box.	ocuments 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 <sub>2</sub> S, 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	
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 Flu	ud Management Pit
☐ Alternative  Proposed Closure Method: ☐ Waste Excavation and Removal	na management i it
☐ 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	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be at 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	ttached to the
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 provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Plants. 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	<ul><li>✓ Yes ☐ No</li><li>☐ NA</li></ul>
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	
Within a 100-year floodplain.	☐ Yes ⊠ No
- FEMA map	☐ Yes ⊠ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure p 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  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 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 can 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	7.11 NMAC 1.15.17.11 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 be	lief.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) 区 Closure 内はかくかがソ □ OCD Conditions (see attachment)	
OCD Representative Signature: Victoria Venegas Approval Date: 12/2	18/2023
Title: Environmental Specialist OCD Permit Number: BGT1	
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 is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.    Closure Completion Date:9/11/2023_	
20. Closure Method:  ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-I	loop systems only)
If different from approved plan, please explain.	

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closu belief. I also certify that the closure complies with all applicable closure requi	
Name (Print): Oakley Hayes	Title: _ Environmental Specialist
Signature:_ Oally Hayp	Date: 12/15/2023
e-mail address:oakley.hayes@harvestmidstream.com	_Telephone: 505-632-4421



October 20, 2023

New Mexico Oil Conservation Division - District III 1000 Rio Brazos Road Aztec, New Mexico 87410

Re: BGT Closure

Florance P CDP API: 30-045-21811

Harvest Four Corners, LLC

#### To Whom It May Concern:

Ensolum, LLC (Ensolum) on behalf of Harvest Four Corners, LLC (Harvest), is submitting this letter requesting closure for the below grade tank (BGT) at the Florance P CDP (API: 30-045-21811) located in Section 35 of Township 30 North, Range 8 West, San Juan County, New Mexico. Harvest followed the closure plan for the BGT approved by the New Mexico Oil Conservation Commision (NMOCD) on February 16, 2023. The approved closure plan is included in Appendix A.

Harvest sent an email on September 6, 2023, to the NMOCD and the surface owner, the Bureau of Land Management (BLM), providing a 72-hour notification for BGT removal and closure sampling (Appendix B). Harvest removed the BGT according to the closure plan in Appendix A. On September 11, 2023, Harvest collected two five-point composite soil sample from the floor and side wall of the excavation and submitted it to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico. No wet or stained soil or odor was observed. A diagram showing the composite soil sample location is included in Appendix C. A photograph of the BGT footprint following removal is included in Appendix D.

The soil sample was analyzed for benzene, toluene, ethylbenzene, total xylene (BTEX) by Environmental Protection Agency (EPA) Method 8021B, Diesel Range Organics (DRO), motor oil range organics (MRO), and gasoline range organics (GRO) by EPA Method 8015M, and chloride by EPA Method 300.0. The analytical results for the floor soil sample indicate no analytes were detected above laboratory reporting limits and the wall soil sample indicated a TPH concentration of 153 mg/kg. Soil samples meet the Table 1 Closure Criteria for Soils Beneath Below-Grade Tanks, Drying Pads Associated with Closed-Loop Systems and Pits where Contents are Removed (19.15.17.13 of the New Mexico Administrative Code). Soil sample analytical results are presented in the attached Table 1 and the laboratory analytical report is included in Appendix E.

Harvest has backfilled the former BGT area to match the grade of the existing pad. Photographic documentation is included in Appendix D. When the facility is no longer being used, the area will be reclaimed according to the closure plan.

Ensolum appreciates the opportunity to submit this report to the NMOCD on behalf of Harvest. If there are any questions or comments regarding this report, please contact Brooke Herb or Oakley Hayes.

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 776 East 2<sup>nd</sup> Ave | Durango, CO 81301 | ensolum.com



#### Sincerely,

#### **Ensolum, LLC**



Brooke Herb Senior Geologist bherb@ensolum.com

cc: Oakley Hayes, Harvest Four Corners, LLC

#### Attachments:

Table 1 Soil Analytical Results

Appendix A NMOCD Approved Closure Plan
Appendix B Notification of Closure Sampling
Appendix C Soil Sample Collection Field Forms

Appendix D Photographic Log

Appendix E Laboratory Analytical Report



Table

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# TABLE 1 SOIL SAMPLE ANALYTICAL RESULTS Florance P CDP BGT 1

# Harvest Four Corners, LLC San Juan County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (GRO+DRO+MRO) (mg/kg)	Chloride (mg/kg)
		for Soils Beneath water >100 feet)	10	NE	NE	NE	50	GRO +DF	RO: 1,000	NE	2,500	20,000
Floor	9/11/2023	6	<0.025	<0.050	<0.050	<0.10	<0.225	<5.0	<9.6	<48	<62.6	<60
Side	9/11/2023	0 - 6	<0.024	<0.048	<0.048	<0.096	<0.216	<4.8	43	110	153	<60

#### Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NE: Not Established

NMOCD: New Mexico Oil Conservation Division

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

MRO: Motor Oil/Lube Oil Range Organics

TPH: Total Petroleum Hydrocarbon

<0.037: indicates result less than the stated laboratory reporting limit (RL)

Ensolum 1 of 1



**APPENDIX A** 

NMOCD Approved Closure Plan

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.

## <u>Pit, Below-Grade Tank, or</u> Proposed Alternative Method Permit or Closure Plan Application

Proposed Alternative Method Perm	<u>it or Closure Plan Application</u>	<u>on</u>
Type of action:  Below grade tank registration  Permit of a pit or proposed alternative  BGT1  Closure of a pit, below-grade tank, of Modification to an existing permit/of Closure plan only submitted for an expression of proposed alternative method	or proposed alternative method	below-grade tank,
Instructions: Please submit one application (Form C-144) per	· individual pit, below-grade tank or alterna	ıtive request
lease be advised that approval of this request does not relieve the operator of liability shavironment. Nor does approval relieve the operator of its responsibility to comply with		
ı. Operator:Harvest Four Corners, LLC	OGRID #:373888	
Address: _1755 Arroyo Dr, Bloomfield, NM 87413		
Facility or well name:Florance P CDP		
API Number:30-045-21811	OCD Permit Number:	
U/L or Qtr/QtrISection35 Township30N_	Range 8W	
Center of Proposed Design: Latitude36.7657		_ NAD83
Surface Owner: ⊠ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotme	nt	
1		
□ Pit:       Subsection F, G or J of 19.15.17.11 NMAC         Temporary:       □ Drilling       □ Workover         □ Permanent       □ Emergency       □ Cavitation       □ P&A       □ Multi-Well Fluid Mana         □ Lined       □ Unlined       Liner type:       Thickness      mil       □ LLDPE       □ F         □ String-Reinforced       Liner Seams:       □ Welded       □ Factory       □ Other	HDPE PVC Otherbbl Dimensions: L	x W x D
Volume: 45bbl Type of fluid: Produced Wate	r	
Tank Construction material:Steel tank with expanded metal top		
☐ Secondary containment with leak detection ☐ Visible sidewalls, liner, 6-inc		
☐ Visible sidewalls and liner ☒ Visible sidewalls only ☐ Other		
Liner type: Thicknessmil  HDPE PVC Othe	r	
4.  Alternative Method:  Submittal of an exception request is required. Exceptions must be submitted to th	e Santa Fe Environmental Bureau office for	consideration of approval.
5.		
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, tempor  ☐ Chain link, six feet in height, two strands of barbed wire at top (Required if locinstitution or church)  ☐ Four foot height, four strands of barbed wire evenly spaced between one and for  ☐ Alternate. Please specify Hog wire fence with T-posts and top rail	ated within 1000 feet of a permanent resider	rce, school, hospital,

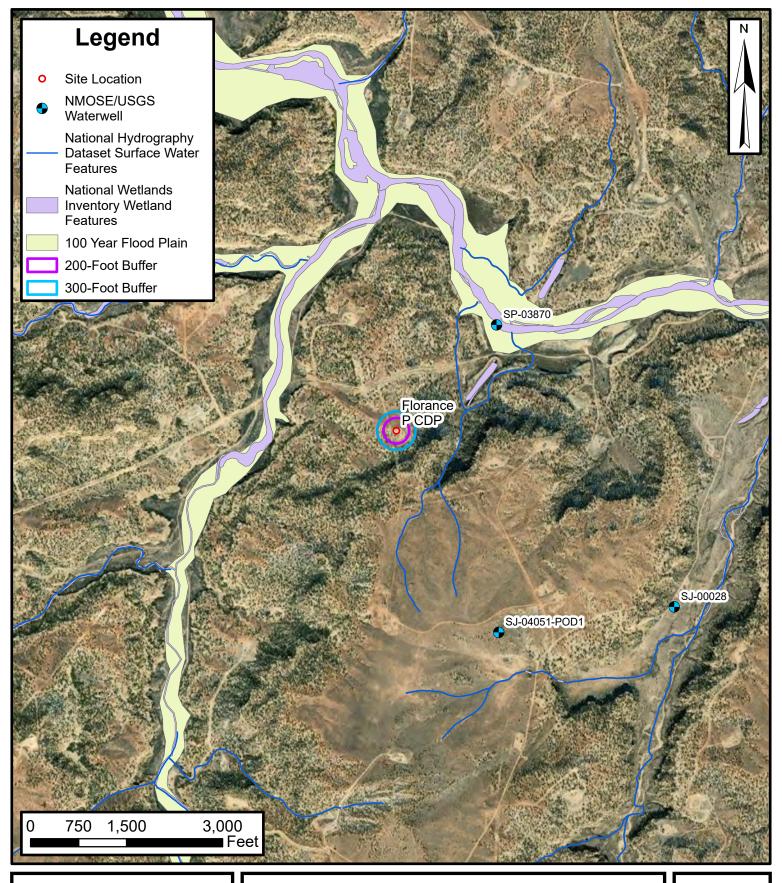
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)  Screen □ Netting □ Other □ Monthly inspections (If netting or screening is not physically feasible)	
5. Signs: Subsection C of 19.15.17.11 NMAC  □ 12"x 24", 2" lettering, providing Operator's name, site 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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
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. ( <b>Does not apply to below grade tanks</b> )  - 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. ( <b>Does not apply to below grade tanks</b> )  - 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. ( <b>Does not apply to below grade tanks</b> ) - 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 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
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 N  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc 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 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:  or Permit Number:	NMAC 15.17.9 NMAC
11.  Mult: Wall Fluid Management Dit Charklist. Subsection P of 10 15 17 0 NMAC	
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 doc 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 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	

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 attached.	documents are
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 19.15.17.12 NMAC	
Nuisance or Hazardous Odors, including H <sub>2</sub> S, 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	
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 F.	luid 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	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a 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 sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F 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.	☐ Yes ⊠ No
- NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	
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 app		
	roval obtained from the municipality	☐ Yes ⊠ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Min	ning and Mineral Division	☐ Yes ⊠ No
Within an unstable area.		
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geo Society; Topographic map</li> </ul>	logy & Mineral Resources; USGS; NM Geological	☐ Yes ⊠ No
Within a 100-year floodplain.		
- FEMA map		☐ Yes ⊠ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirement Construction/Design Plan of Burial Trench (if applicable) based upon the Construction/Design Plan of Temporary Pit (for in-place burial of a dryin Protocols and Procedures - based upon the appropriate requirements of 1 Confirmation Sampling Plan (if applicable) - based upon the appropriate Waste Material Sampling Plan - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids at Soil Cover Design - based upon the appropriate requirements of Subsecti Re-vegetation Plan - based upon the appropriate requirements of Subsect	requirements of 19.15.17.10 NMAC s of Subsection E of 19.15.17.13 NMAC e appropriate requirements of Subsection K of 19.15.17. g pad) - based upon the appropriate requirements of 19. 10.15.17.13 NMAC requirements of 19.15.17.13 NMAC s of 19.15.17.13 NMAC ad drill cuttings or in case on-site closure standards cann on H of 19.15.17.13 NMAC ion H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:		
I hereby certify that the information submitted with this application is true, acc	arate and complete to the best of my knowledge and beli	ief.
Name (Print):Oakley Hayes	Title:Environmental Specialist	
Signature: Sally Hayp		
e-mail address:oakley.hayes@harvestmidstream.com		
18.  OCD Approval: Permit Application (including closure plan) X Closure	Plan (only)	
18.  OCD Approval: ☐ Permit Application (including closure plan) ☒ Closure	Plan (only) OCD Conditions (see attachment)  Approval Date: _02/16/	2023
18.	•	2023
18.  OCD Approval:  ☐ Permit Application (including closure plan)  ☐ Closure  OCD Representative Signature:   Jaclyn Burdine	Approval Date: _02/16/ OCD Permit Number: _BGT1  3 NMAC r to implementing any closure activities and submitting fithe completion of the closure activities. Please do not	the closure report.
18.  OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Jaclyn Burdine  Title: Environmental Specialist-A  19.  Closure Report (required within 60 days of closure completion): 19.15.17.1  Instructions: Operators are required to obtain an approved closure plan prior.  The closure report is required to be submitted to the division within 60 days of section of the form until an approved closure plan has been obtained and the  20.  Closure Method:	Approval Date: _02/16/ OCD Permit Number: _BGT1  3 NMAC r to implementing any closure activities and submitting fithe completion of the closure activities. Please do not closure activities have been completed.	the closure report.

22.			
Operator Closure Certific	ation:		
		is closure report is true, accurate and complete to the re requirements and conditions specified in the approximately approximately accurate and complete to the requirements and conditions are considered in the specified in the approximately accurate and complete to the requirements and conditions are considered as a condition of the conditions are considered as a condition of the conditions are considered as a condition of the	
Name (Print):		Title:	
Signature:		Date:	
e-mail address:	Telephone:		





# **Site Location Map**

Florance P CDP Harvest Four Corners, LLC NE/SE, Sec 35, T30N, R8W San Juan County, New Mexico **FIGURE** 

1



# New Mexico Office of the State Engineer

# **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Two

 $\mathbf{X}$ 

264924

**Q64 Q16 Q4 Sec Tws Rng**2 3 1 01 29N 08W

4071161

Driller License: 1357 Driller Company: BAILEY DRILLING COMPANY

**Driller Name:** MARK BAILEY

SJ 04051 POD1

**Drill Start Date:** 07/11/2013 **Drill Finish Date:** 07/11/2013 **Plug Date:** 

Log File Date:07/26/2013PCW Rcv Date:Source:ShallowPump Type:Pipe Discharge Size:Estimated Yield:20 GPMCasing Size:5.00Depth Well:580 feetDepth Water:460 feet

Water Bearing Stratifications: Top Bottom Description

0 40 Sandstone/Gravel/Conglomerate

40 420 Other/Unknown

Casing Perforations: Top Bottom

420 580

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the data.

2/8/23 10:57 PM

POINT OF DIVERSION SUMMARY

# Harvest Four Corners, LLC San Juan Basin Below Grade Tank Closure Plan

**Facility Name: Florance P CDP** 

API No.: 30-045-21811

Description: Unit I, Section 35, Township 30N, Range 8W, San Juan County

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements for this below grade tank (BGT) for Harvest Four Corners, LLC (Harvest).

#### **General Plan**

- 1. Harvest will obtain approval of this closure plan prior to commencing closure of the BGT at this location pursuant to 19.15.17.13.C (1) NMAC.
- 2. Harvest will notify surface owners by certified mail, return receipt requested, that the operator plans closure operations at least 72 hours, but no more than 1 week, prior to any closure operations. Notice will include:
  - a) Well Name
  - b) API
  - c) Well Location
  - \*Harvest will notify government agencies by email of closure activities.
- 3. The NMOCD will be notified by email that the operator plans closure operations at least 72 hours, but no more than one week, prior to any closure operations.

Notice will include:

- a) Well Name
- b) API
- c) Well Location
- 4. Within 60 days of cessation of operations, all liquids and sludge will be removed from the BGT prior to implementing closure activities and will dispose of the liquids and sludge at an approved facility.
  - a) Soil, tank bottoms, and exempt wastes impacted by petroleum hydrocarbons will be disposed of at: *Envirotech: Permit #NM01-0011*
  - b) Produced water will be disposed of at: *Basin Disposal: Permit #NM01-005* or *Agua Moss: Permit #NM-009*
- 5. Within six months of cessation of operations, the BGT will be removed and disposed of at an appropriate division approved facility, or recycled, reused, or reclaimed in a manner that is approved by the district office. Equipment associated with the BGT will be removed unless the equipment will continue to be used for on-site operation.
- 6. Harvest will collect a closure sample of the soil beneath the location of the BGT or liner that is being closed. The closure sample will consist of a 5-point composite sample to include any obvious stained or wet soils, or other evidence of contamination. The closure sample will be analyzed for all constituents listed in Table I below, including chloride, total petroleum hydrocarbons (TPH, C-6-C36), benzene, toluene, ethylbenzene, and total xylenes (BTEX).

		Table I	
		w-Grade Tanks, Drying Pads Associ Pits where Contents are Removed	ated with
Depth below bottom of pit to groundwater less than 10,000 mg/l TDS	Constituent	Method*	Limit**
, ,	Chloride	EPA 300.0	600 mg/kg
≤50 feet	TPH	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	10,000 mg/kg
51 feet-100 feet	ТРН	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 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	20,000 mg/kg
> 100 feet	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 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

- 7. Harvest will close this BGT based on the requirements for groundwater over 100 feet. Groundwater is estimated over 100 feet due to New Mexico Office of State Engineer permitted water well, SJ 04051 approximately 0.67 miles to the southeast and 130 feet higher in elevation with a depth to water of 460 feet below ground surface; see *Figure ,1 Site Location Map*.
- 8. If any contaminant concentration is higher than the parameters listed in Table I, additional delineation may be required based on the review of the results. Harvest will receive division approval before proceeding with additional closure activities. If all contaminant concentrations are less than, or equal to, the parameters in Table I above, the operator can proceed to backfill with non-waste containing, uncontaminated earthen material.
- 9. After closure has occurred, the former BGT area will be reclaimed if it is no longer being utilized for the continued operation of the facility. The area will be reclaimed by substantially restoring the surface area to the condition that existed prior to oil and gas operations. The soil cover will be constructed to the sites existing grade and prevent ponding of water and erosion of the cover materials. The soil shall consist of the background thickness of topsoil, or one foot of suitable material to establish vegetation on the site, whichever is greater. The area will be reclaimed as early as practicable, and as close to their original condition as possible. They shall be maintained in such a way as to control dust and minimize erosion.
- 10. Reclamation will be completed in accordance with the requirements listed in NMAC 19.15.17.13.H(5).

- a) The former BGT area will be reclaimed as early and as nearly practicable to their original condition, or their final land use, and shall be maintained to control dust and minimize erosion to the extent practicable.
- b) Topsoil and subsoil will be replaced to their original relative positions and contoured as to achieve erosion control, long term stability and preservation or water flow patterns. The reclaimed area will be reseeded in the first favorable growing season following closure of the BGT.
- c) Reclamation will be considered completed when all ground disturbance activities of the site have been completed, and a uniform vegetative cover has been established that reflects plus or minus 50% of the pre-disturbance levels, and a total perfect overage of at least 70% of pre-disturbance levels, excluding noxious weeds.
- d) Re-vegetation and reclamation obligations imposed by other federal or tribal agencies managed by those agencies shall supersede these provisions and govern the obligations of any operator subject to these provisions, provided that the other requirements provide equal or better protection of fresh water, human health, and the environment.
- e) The operator shall notify the division when reclamation and re-vegetation are complete.
- 11. Within 60 days of closure of the BGT, Harvest will submit a closure report to the Aztec office of the NMOCD. Closure report will be filed on form C-144 and include the following:
  - a) Proof of closure notice to division and surface owner.
  - b) Confirmation sampling analytical results.
  - c) Photo documentation of the site reclamation.
  - d) Table I groundwater criteria request, groundwater information and required approval (if needed).

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

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 186614

#### **CONDITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	186614
	Action Type:
	[C-144] Below Grade Tank Plan (C-144B)

#### CONDITIONS

Created By		Condition Date
jburdine	None	2/16/2023



**APPENDIX B** 

Notification of Closure Sampling

#### **Oakley Hayes**

From: Oakley Hayes

**Sent:** Wednesday, September 6, 2023 5:31 PM

To: Velez, Nelson, EMNRD; Wells, Shelly, EMNRD; OCD.Enviro@emnrd.nm.gov;

L1thomas@blm.gov

**Cc:** Jesse Graham; Brandon Pearson

**Subject:** Harvest Tank Removal Notification - Florance P

Harvest hereby provides notice of intent to remove the following below grade tank (BGT) located on Federal land:

Location Name: Florance P BGT API Number: 30-045-21811

Tank Description: 45 BBL Produced Water BGT Operator: Harvest Four Corners, LLC

Legal Description: Section 35, Township 30N, Range 8W, Unit I

GPS Coordinates: N36.7657 W-107.6391

Closure plan: Submitted on 2/15/2023 by Ensolum, LLC on behalf of Harvest Four Corners, LLC and

approved by OCD on 2/16/2023

Scheduled Start Date/Time: 9/11/2023, 09:30AM

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

Thank you,

#### Oakley Hayes, CEM

Environmental Specialist Harvest Midstream Company

Office: 505-632-4421 Cell: 970-903-3203





**APPENDIX C** 

Soil Sample Collection Field Forms

	Florance	PCDP		
Excavation	Dimensions (feet)			
15	Length_	15'	Width 6	Depth
Excavation I (Depict notable	Diagram and Samp site features, excavati	ple Locations on extents, visual observation	ons, sample locations, r	
Sample Inform		K X SEA	Center Riv	ancat ng
Agancule) Por	oresentative(s)_3		Location	
Agency(s) Key	1 30 4	Type (Composite, Grab)	(Floor, Sidewall)	Comments
	Sample Date			
Sample ID	9- 11- 23	Composite	Side	
	9-11-23	Composite Composite	Side floor	No staines or
Sample ID	9-11-23	Composite		
Sample ID	9-11-23	Composite		
Sample ID	9-11-23	Composite		No steins or



APPENDIX D

Photographic Log

# Photographic Log Florance P CDP San Juan County, New Mexico Harvest Four Corners, LLC

## Photograph 1

Photograph of BGT in place. *Photo taken by Harvest.* 



## Photograph 2

Photograph of the removal of the BGT. *Photo taken by Harvest.* 



# Photographic Log Florance P CDP San Juan County, New Mexico Harvest Four Corners, LLC

## Photograph 3

Photograph of pad below BGT after Removal.

Photo taken by Harvest.



#### Photograph 4

Photograph excavation backfill. *Photo taken by Harvest.* 





**APPENDIX E** 

Laboratory Analytical Report



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

September 21, 2023

Jesse Graham

Harvest

1755 Arroyo Dr.

Bloomfield, NM 87413

TEL: (505) 632-4475

FAX:

RE: Florance P CDP OrderNo.: 2309520

Dear Jesse Graham:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/12/2023 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

Lab Order 2309520

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 9/21/2023

CLIENT: Harvest Client Sample ID: Floor

 Project:
 Florance P CDP
 Collection Date: 9/11/2023 11:08:00 AM

 Lab ID:
 2309520-001
 Matrix: SOIL
 Received Date: 9/12/2023 6:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Bat	tch
EPA METHOD 300.0: ANIONS					Analyst: <b>SN</b>	S
Chloride	ND	60	mg/Kg	20	9/18/2023 6:07:12 PM 775	593
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DG	Н
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/20/2023 11:56:20 PM 775	585
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/20/2023 11:56:20 PM 775	585
Surr: DNOP	119	69-147	%Rec	1	9/20/2023 11:56:20 PM 775	585
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>KM</b>	IN
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/14/2023 10:36:00 PM 774	160
Surr: BFB	96.8	15-244	%Rec	1	9/14/2023 10:36:00 PM 774	160
EPA METHOD 8021B: VOLATILES					Analyst: KM	IN
Benzene	ND	0.025	mg/Kg	1	9/14/2023 10:36:00 PM 774	160
Toluene	ND	0.050	mg/Kg	1	9/14/2023 10:36:00 PM 774	160
Ethylbenzene	ND	0.050	mg/Kg	1	9/14/2023 10:36:00 PM 774	160
Xylenes, Total	ND	0.10	mg/Kg	1	9/14/2023 10:36:00 PM 774	160
Surr: 4-Bromofluorobenzene	88.3	39.1-146	%Rec	1	9/14/2023 10:36:00 PM 774	160

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

- \* 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

#### **Analytical Report**

Lab Order 2309520

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 9/21/2023

CLIENT: Harvest Client Sample ID: Side

 Project:
 Florance P CDP
 Collection Date: 9/11/2023 11:05:00 AM

 Lab ID:
 2309520-002
 Matrix: SOIL
 Received Date: 9/12/2023 6:15:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Bate	ch
EPA METHOD 300.0: ANIONS					Analyst: SNS	S
Chloride	ND	60	mg/Kg	20	9/18/2023 6:44:13 PM 7759	93
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: <b>DG</b> I	н
Diesel Range Organics (DRO)	43	9.7	mg/Kg	1	9/21/2023 12:20:02 AM 7758	85
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	9/21/2023 12:20:02 AM 7758	85
Surr: DNOP	105	69-147	%Rec	1	9/21/2023 12:20:02 AM 7758	85
EPA METHOD 8015D: GASOLINE RANGE					Analyst: <b>KM</b>	Ν
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/14/2023 11:20:00 PM 7746	60
Surr: BFB	98.0	15-244	%Rec	1	9/14/2023 11:20:00 PM 7746	60
EPA METHOD 8021B: VOLATILES					Analyst: <b>KM</b>	N
Benzene	ND	0.024	mg/Kg	1	9/14/2023 11:20:00 PM 7746	60
Toluene	ND	0.048	mg/Kg	1	9/14/2023 11:20:00 PM 7746	60
Ethylbenzene	ND	0.048	mg/Kg	1	9/14/2023 11:20:00 PM 7746	60
Xylenes, Total	ND	0.096	mg/Kg	1	9/14/2023 11:20:00 PM 7746	60
Surr: 4-Bromofluorobenzene	88.9	39.1-146	%Rec	1	9/14/2023 11:20:00 PM 7746	60

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

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- ND Not Detected at the Reporting Limit
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- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

2309520 21-Sep-23

WO#:

Client: Harvest

**Project:** Florance P CDP

Sample ID: MB-77593 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 77593 RunNo: 99800

Prep Date: 9/18/2023 Analysis Date: 9/18/2023 SeqNo: 3648430 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-77593 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 77593 RunNo: 99800

Prep Date: 9/18/2023 Analysis Date: 9/18/2023 SeqNo: 3648431 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 91.7 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

2309520 21-Sep-23

WO#:

Client: Harvest

**Project:** Florance P CDP

Sample ID: LCS-77585 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 77585 RunNo: 99836 Prep Date: 9/19/2023 Analysis Date: 9/20/2023 SeqNo: 3649950 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 46 10 50.00 n 92.8 61.9 130 Surr: DNOP 5.0 5.000 99.7 69 147

Sample ID: MB-77585 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: Batch ID: 77585 PBS RunNo: 99836 Prep Date: Analysis Date: 9/20/2023 9/19/2023 SeqNo: 3649953 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 84.8 69 147

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
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- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

2309520 21-Sep-23

WO#:

Client: Harvest

Analyte

**Project:** Florance P CDP

Sample ID: Ics-77460 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 77460 RunNo: 99696 Prep Date: 9/12/2023 Analysis Date: 9/14/2023 SeqNo: 3643738 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 23 5.0 25.00 0 93.2 70 130 Surr: BFB 2200 1000 219 15 244

 Sample ID:
 mb-77460
 SampType:
 MBLK
 TestCode:
 EPA Method 8015D:
 Gasoline Range

 Client ID:
 PBS
 Batch ID:
 77460
 RunNo:
 99696

 Prep Date:
 9/12/2023
 Analysis Date:
 9/14/2023
 SeqNo:
 3643739
 Units:
 mg/Kg

LowLimit

HighLimit

%RPD

**RPDLimit** 

Qual

SPK value SPK Ref Val %REC

Gasoline Range Organics (GRO) ND 5.0

Result

Surr: BFB 990 1000 99.2 15 244

PQL

- 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
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

# Hall Environmental Analysis Laboratory, Inc.

2309520 21-Sep-23

WO#:

**Client:** Harvest

**Project:** Florance P CDP

Sample ID: Ics-77460	Samp	Гуре: <b>LC</b>	s	Tes						
Client ID: LCSS	Batcl	h ID: <b>77</b> 4	160	F	RunNo: 99	9696				
Prep Date: 9/12/2023	Analysis [	Date: <b>9/</b>	14/2023	5	SeqNo: 36	643818	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.74	0.025	1.000	0	74.0	70	130			
Toluene	0.77	0.050	1.000	0	76.6	70	130			
Ethylbenzene	0.79	0.050	1.000	0	79.2	70	130			
Xylenes, Total	2.4	0.10	3.000	0	79.4	70	130			
Surr: 4-Bromofluorobenzene	0.89 1.000				88.7	39.1	146			

Sample ID: <b>mb-77460</b>	Samp <sup>1</sup>	Гуре: МЕ	BLK	Tes								
Client ID: PBS	Batc	h ID: <b>77</b> 4	460	RunNo: 99696								
Prep Date: 9/12/2023	Analysis [	Date: <b>9/</b>	14/2023	5	SeqNo: 36	643819	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	0.88		1.000		87.7	39.1	146					

- 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
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- P Sample pH Not In Range
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

Released to Imaging: 12/18/2023 9:35:38 AM

Client Name: Harvest	Work Order N	lumber: 2309520		RcptNo	: 1
Received By: Tracy Casar	rubias 9/12/2023 6:15	:00 AM			
Completed By: Tracy Casar	rubias 9/12/2023 6:52	:25 AM			
Reviewed By: 5cm 0	1/12/23				
Chain of Custody					
1. Is Chain of Custody complet	te?	Yes 🗹	No 🗌	Not Present	
2. How was the sample deliver	ed?	Courier			
Log In  3. Was an attempt made to coo	ol the samples?	Yes 🗸	No 🗌	na 🗆	
4. Were all samples received a	t a temperature of >0° C to 6.0°C	Yes 🗸	No 🗌	na 🗆	
5. Sample(s) in proper containe	er(s)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for	indicated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA ar	nd ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to b	oottles?	Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with	headspace <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample containers	s received broken?	Yes 🗌	No 🗹	# of preserved bottles checked	
11. Does paperwork match bottle (Note discrepancies on chair		Yes 🔽	No 🗌	for pH:	or >12 unless noted)
12. Are matrices correctly identif	ied on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were	e requested?	Yes 🗹	No 🗌		, ,
14. Were all holding times able t (If no, notify customer for aut		Yes 🗹	No 🗌	Checked by:	yna/12/23
Special Handling (if apple	icable)				
15. Was client notified of all disc		Yes	No 🗌	NA 🗹	
Person Notified:		Date:			
By Whom:	A CONTRACTOR OF THE PROPERTY O		hone  Fax	☐ In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information  Cooler No Temp °C	Condition   Seal Intact   Seal I	No Seal Date	Signed By		
	Good Ves Vogi	10 Ocal Date	origined by		

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	HALL ENVIRONMENTAL	NO LANGUAGO CACOLAGO	WWW.nallenvironmental.com	٠.,	Analysis	±0		) DR(0 (1.1) 0728	OS 8/86 504 01 01 8	cide bod 310 6tal	on 5th	8081 F EDB (I PAHs 7 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8		× ×	22						Remarks: coraham@harrestmidstream.com	sdean @ harvest mid stream. com	
Turn-Around Time:	X Standard □ Rush	Project Name:	Florance P CdD	Project #:			ב המיקום מה ב	: Jesse Graham	Ves 🗆 No uogi		COOler lemp(including cF): 4 3 - 8 - 4 3 (°C)	Container Preservative 73.045.20 E	C001 001						-		Received by: Via: Date Time Re	by: Via: Coulner Date Time	
Chain-of-Custody Record	Client: Harvest Mid Stream		Mailing Address: 1755 Arrovo Dr.		Phone #: Oakley Hayes, Jennifer Deal	email or Fax#: 505 633-4421, 505-324-5128 Project Manager:	QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	mpliance				Matrix Sample Name	50il floor	9-11-22 1105 5011 5120							Relinquished by:	Relinquished by:	1871 CX

it 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

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 295242

#### **CONDITIONS**

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1755 Arroyo Dr	Action Number:
Bloomfield, NM 87413	295242
	Action Type:
	[C-144] Below Grade Tank Plan (C-144B)

#### CONDITIONS

Created By	Condition	Condition Date
vvenegas	None	12/18/2023