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

BGT 2 Closs Mod Closs	it of a pit or proposed alternative method ure of a pit, below-grade tank, or proposed alternative method ification to an existing permit/or registration ure plan only submitted for an existing permitted or non-permitted pit, below-grade tank,
or proposed alternative me	
lease be advised that approval of this request does	one application (Form C-144) per individual pit, below-grade tank or alternative request not relieve the operator of liability should operations result in pollution of surface water, ground water or the rof its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
1.	
Operator: Harvest Four Corners, LLC	OGRID #: 37388
Address: <u>1755 Arroyo Dr., Bloomfield</u>	, NM 87413
Facility or well name: Pierce SRC 1A	
API Number: _30-045-21796 Pierce SRC #	#001A - Hilcorp OCD Permit Number:
U/L or Qtr/QtrSW/SE (O)Section3	Township 31N Range 10W County: San Juan
Center of Proposed Design: Latitude3	6.865391 Longitude -107.920216 NAD83
Surface Owner: Federal State Private	☐ Tribal Trust or Indian Allotment
2.	MAC.
Temporary: Drilling Workover	IVIAC
• •	P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
- ·	mil LLDPE HDPE PVC Other
☐ String-Reinforced	
·	r 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: Produce	ed 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 side	ewalls only 🛛 OtherBuried 15% - No Liner
Liner type: Thicknessn	nil
4.	
4. Alternative Method: Submittal of an exception request is required.	Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

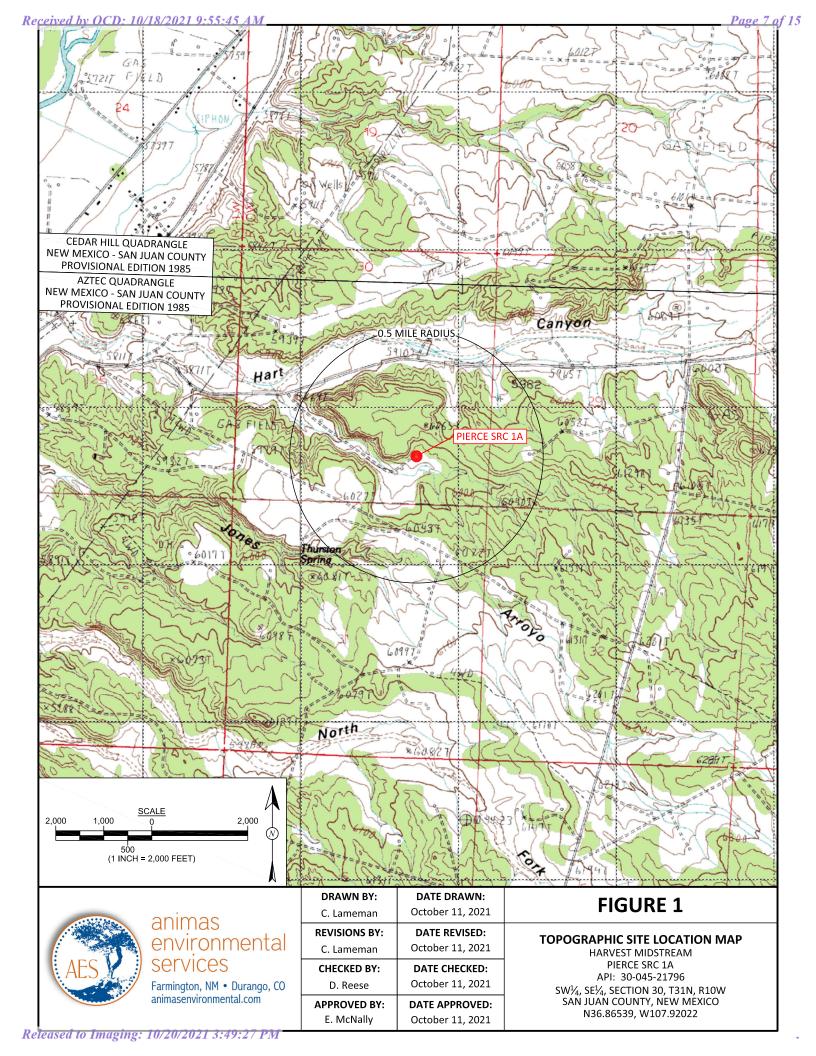
 5. Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks) □ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) □ Four foot height, four strands of barbed wire evenly spaced between one and four feet □ Alternate. Please specify Four ft high welded fence (hog wire) which may include top rebar rail or barbed wire or combination 			
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)			
Screen Netting Other_Expanded metal_			
Monthly inspections (If netting or screening is not physically feasible)			
7.			
Signs: Subsection C of 19.15.17.11 NMAC			
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers			
Signed in compliance with 19.15.16.8 NMAC No sign – tank scheduled for removal by 12/31/2021			
8.			
<u>Variances and Exceptions:</u> 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.			
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 accept	otable source		
material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.			
General siting			
General stung			
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.	☐ Yes ⊠ No		
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA		
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.	☐ Yes ☐ No		
NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	⊠ NA		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No		
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			
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)	☐ Yes ☐ No		
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division			
Within an unstable area. (Does not apply to below grade tanks)	☐ Yes ☐ No		
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map			
Within a 100-year floodplain. (Does not apply to below grade tanks)	☐ Yes ☐ No		
- FEMA map			
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			
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption.	☐ Yes ⊠ No		
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site			
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15 000 mg/liter)			
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,	☐ Yes ☐ No		
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	☐ 103 <u>☐</u> 110		

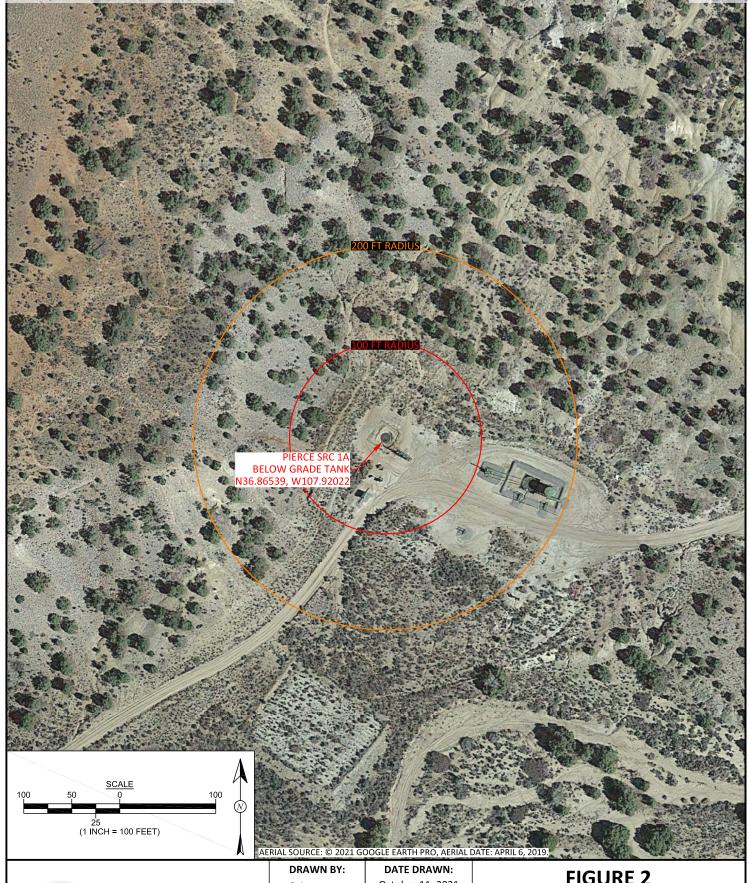
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic 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.	☐ Yes ☐ No
 NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 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 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	cuments are
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 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	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Fach of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	locuments are			
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 ₂ 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				
Closure Frant - based upon the appropriate requirements of subsection C of 17.13.17.7 MMAC and 17.13.17.13 MMAC				
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 Fl	uid Management Pit			
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 at	ttached to the			
closure plan. Please indicate, by a check mark in the box, that the documents are attached.	nacnea to the			
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC				
 ☑ Protocols and Procedures - based upon the appropriate requirements of 19.13.17.13 NMAC ☑ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC 				
☐ Commitmation Sampling Plan (II applicable) - based upon the appropriate requirements of Subsection C of 19.13.17.13 NWAC ☐ ☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)				
 ☑ Disposal Facility Name and Fermit Number (for inquites, drining rigids and driff cuttings) ☑ Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC 				
Soft Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NWAC 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				
Site Reciamation Fian - based upon the appropriate requirements of Subsection 11 of 13.13.17.13 (WIAC				
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 sources.	ce material are			
provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P.				
19.15.17.10 NMAC for guidance.				
17.11.017.11.0 July gumuneer				
Ground water is less than 25 feet below the bottom of the buried waste.	□ V□ N-			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∐ Yes ∐ No			
- Nil Office of the State Engineer - TWATERS database search, 0503, Data obtained from hearby werks	□ NA			
Ground water is between 25-50 feet below the bottom of the buried waste	☐ Yes ☐ No			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA			
Ground water is more than 100 feet below the bottom of the buried waste.	∐ Yes ∐ No			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	∐ NA			
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa	☐ Yes ☐ No			
lake (measured from the ordinary high-water mark).				
- Topographic map; Visual inspection (certification) of the proposed site				
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No			
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image				
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence	☐ Yes ☐ No			
at the time of initial application.				
- 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 3-27-2, as anaended. Writin confirmation or verification from the minespulsy Written approval obtained from the minespulsy Writin the area overfrings authorities mine. Writin an installation of verification or map from the NM EMNRD-Mining and Mineral Division Writin an installation or verification or map from the NM EMNRD-Mining and Mineral Division Writin an installation or verification or map from the NM EMNRD-Mining and Mineral Division Writin an installation or verification or map from the NM EMNRD-Mining and Mineral Division Writin a 100-year floodplain. John Sciency Topographic map Writin an installation of the deciments are anabled. John Sciency Topographic map Writin an installation of the deciments are anabled. John Sciency Topographic floodplain or purpose the state of the following items must be attached to the closure plan. Please indicate, by a close that the day, that the documents are anabled. John Sciency Topographic floodplain or purpose the purpose of the 19-15.17.11 NMAC Construction Design Plan of Burial Treach (if applicable) based upon the appropriate requirements of 19-15.17.11 NMAC Construction Design Plan of Europary Pit (for inspect burial or purpose of 19-15.17.11 NMAC Construction Design Plan of Europary Pit (for inspect burial to purpose of 19-15.17.11 NMAC Construction Design Plan of Europary Pit (for inspect burial propose) and propographic requirements of Subsection Hore 19-15.17.13 NMAC Soil Cover Design Plan of Europary Pit (for inspect burial propose) and propographic requirements of Subsection Hore 19-15.17.13 NMAC Soil Cover Design Plan of Europary Pit (for inspect burial propose) and propographic requirements of Subse		
- Written a ontentials area. Within an untestide area. Fingineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society. Thopps applie map Within a 100-year floodplain. FEMA map Wi	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
Engineering measures incorporated into the design. NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map Ves No Ves		☐ Yes ☐ No
Society: Topographic map Withins 100-yes (Boodplain. FEMA map Ves No		
PEMA map Person Proceedings (19.15.17.13.NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a Pote-Chareful in the Date, that the document are enterhol.		I
On-Nite Closure Plan Checklist (19.15.17.13 NMAC) Instructions: Rach of the following items must be attached to the closure plan. Please indicate, by a check mark in the bax, that the documents are attached. Siting Citieria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC Proof of Surface Oners Notice - based upon the appropriate requirements of Subsection K 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 Protocols and Procedures - 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 Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Uses of Part of Part of Number (of Inquids, defiling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Solid 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 Re-vegetation Plan - 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 Re-vegetation Plan - 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 Re-vegetation Plan - 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 Re-vegetation Plan - 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 Re-vegetation Application Rule - Re-vegetation Application Rule - Re-vegetation		☐ Yes ☐ No
by a check mark in the bax, that the documents are attached.		Discourse de la constantination de la consta
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	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 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 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 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	5.17.11 NMAC f 19.15.17.11 NMAC
e-mail address: msmith@harvestmidstream.com Telephone: [505] 632-4625 South	Operator Application Certification:	l belief.
e-mail address: msmith@harvestmidstream.com Telephone: [505] 632-4625 SOCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: October 20, 2021	Name (Print): Monica Smith Title: Environmental Specialist	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Clowhitcheard Approval Date: October 20, 2021 Title: Environmental Specialist OCD Permit Number: BGT 2 OCD Perm	Signature: Date: 10/15/2021	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: CRUMATERIAL Title: Environmental Specialist OCD Permit Number: BGT 2 19.	e-mail address: msmith@harvestmidstream.com Telephone: _(505) 632-4625	
Title: Environmental Specialist OCD Permit Number: BGT 2	OCD Approval: Permit Application (including closure plan) X Closure Plan (only) OCD Conditions (see attachment)
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: Closure Method:	OCD Representative Signature: CRWhitehead Approval Date:	ctober 20, 2021
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: Closure Method: Alternative Closure Method Maste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-evegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	Title: Environmental Specialist OCD Permit Number: BGT 2	
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. Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached. Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure for private land only) Plot Plan (for on-site closures and temporary pits) Confirmation Sampling Analytical Results (if applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	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 submitted closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please dissection of the form until an approved closure plan has been obtained and the closure activities have been completed.	
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This is a contract of a contract to the contract of the contra	Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please 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)	se indicate, by a check

22.	
Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closure rebelief. I also certify that the closure complies with all applicable closure requirements.	
Name (Print):	Title:
Signature:	Date:
e-mail address:	Telephone:







animas environmental services

Farmington, NM • Durango, CO animasenvironmental.com

DRAWN BY:	DATE DRAWN:	
C. Lameman	October 11, 2021	
REVISIONS BY:	DATE REVISED:	
C. Lameman	October 11, 2021	
CHECKED BY:	DATE CHECKED:	
CHECKED BY: D. Reese	DATE CHECKED: October 11, 2021	

FIGURE 2

AERIAL SITE LOCATION MAP

HARVEST MIDSTREAM PIERCE SRC 1A API: 30-045-21796 SW $\frac{1}{4}$, SE $\frac{1}{4}$, SECTION 30, T31N, R10W SAN JUAN COUNTY, NEW MEXICO N36.86539, W107.92022

PIERCE SRC 1A

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'PIERCE SRC 1A', which is located at 36.86516 degree, North latitude and 107.91988 degree, West longitude. This location is located on the Aztec 7.5' USGS topographic quadrangle. This location is in Section 30 of Township 31 North Range 1 0 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is Aztec, located 5.1 miles to the southwest. The nearest large town (population greater than 10,000) is Farmington, located 18.3 miles to the southwest (National Atlas). The nearest highway is US Highway 550, located 1.3 miles to the northwest. The location is on BLM land. This location is in the Animas, Colorado, New Mexico, Subbasin. This location is located 1825 meters or 5986 feet above sea level and receives 12.5 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinon-Juniper Woodland as per the Southwest Regional Gap Analysis Project.

The estimated depth to groundwater at this point is 96 feet. This estimation is based on the data published on the New Mexico Engineer's NMWRSS Database website and water depth data from ConocoPhillips' Cathodic wells. The nearest stream is 205 feet to the south and is classified by the USGS as an intermittent stream. The nearest perennial stream is 5,339 feet to the northeast. The nearest water body is 5,327 feet to the northeast. It is classified by the USGS as an intermittent take and is 0.2 acres in size. The nearest spring is 19,452 feet to the east. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 5,732 feet to the southeast. The slope at this location is 5 degree, to the southwest as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Haplargids-Blackston-Torriorthents complex, very steep' and is well drained and not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008.

Regional Geological context:

The Nacimiento Formation is of Paleocene age (8altz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it conformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fas et Hinds, 1971, p. 34), thus, in this area, the two formations occupy the same stratigraphic interval.

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

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

Hydraulic Properties:

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

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

References:

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

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

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

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p. Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico; Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

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

Received by OCD: 10/18/2021 9:55:45 AM

New Mexico Office of the State Engineer Active & Inactive Points of Diversion

No PODs found

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

sion

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(with Ownership Information)

50.507

Q4: NW Section(s): 30 Township: 31N Range: 10W

particular purpose of the data.

10 Released to Imaging: 10/20/2021 3:49:27 PM

PLSS Search: Q16: NE

ACTIVE & INACTIVE POINTS OF DIVERSION



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

Pit Identifier:	BGT			i
API #: 30-045-21796				
Lat/Long: 36.86539, -107.92022				
Qtr/Qtr-Section-Township-Range:	SW/SE (O)-30-31N	I-10W		
Land Jurisdiction:	Federal			
County:	San Juan			
Determination made by:	Lany Cupps (Envir	onmental Scientist)		
Date:	10/11/2021			
Depth t	o Groundwater D	etermination		•
Is groundwater less than 25 feet below the bott			Yes 🗌	No 🗸
Cathodic Report/Site Specific Hydrogeology	H.G. report indica	tes depth to ground	dwater is 96 ft bgs	
Elevation Differential				
Water Wells None in qtr/qtr				
Cathodic Report Nearby Wells				
	Distance to Water	andina		
Is the BGT within 100 feet of a continuously flow				
watercourse, lake bed, sinkhole, wetland or pla	-	significant	Yes	No 🗹
Nearest continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark): Unnamed intermittent stream 205 feet to south.				
Distance to Water Sources				
Is the BGT within 200 horizontal feet of a spring or livestock consumption?	or fresh water w	ell used for public	Yes 🗌	No 🗸
Springs or wells within 200 feet: No springs or registered wells within 200 feet.				

Site Name: Pierce SRC 1A

Harvest Four Corners LLC Closure Plan - Below Grade Tanks

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

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

Harvest Four Corners LLC Closure Plan - Below Grade Tanks

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

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

Table 1 Closure Criteria for Soils Beneath Below Grade Tanks, Drying Pads Associated with Closed Loop Systems and Pits where contents are Removed					
Depth Below Bottom of pit to groundwater less than Constituent Method Limit**					
10,000 mg/l			3.000 M.C.		
	Chloride	EPA 300.0	600 mg/kg		
	TPH	EPA SW-846	100 mg/kg		
		Method 418.1			
≤50 feet	BTEX	EPA SW-846	50 mg/kg		
		8021B or 8260B			
	Benzene	EPA SW-846	10 mg/kg		
		8021B or 8260B			
	Chloride	EPA 300.0	10,000 mg/kg		
	TPH	EPA SW-846	2,500 mg/kg		
		Method 418.1			
	GRO+DRO	EPA SW-846	1,000 mg/kg		
51 feet - 100 feet		Method 8015M			
	BTEX	EPA SW-846	50 mg/kg		
		8021B or 8260B			
	Benzene	EPA SW-846	10 mg/kg		
		8021B or 8260B			
	Chloride	EPA 300.0	20,000 mg/kg		
	TPH	EPA SW-846	2,500 mg/kg		
		Method 418.1			
	GRO+DRO	EPA SW-846	1,000 mg/kg		
>100 feet		Method 8015M			
	BTEX	EPA SW-846	50 mg/kg		
		8021B or 8260B			
	Benzene	EPA SW-846	10 mg/kg		
		8021B or 8260B			

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 56457

CONDITIONS

Operator:	OGRID:
Harvest Four Corners, LLC	373888
1111 Travis Street	Action Number:
Houston, TX 77002	56457
	Action Type:
	[C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By	Condition	Condition Date
cwhitehead	None	10/20/2021