District I 1625 N. French Dr , Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

# Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method

Instructions: Please submit one application (Form C-144) per in	ndividual pit, closed-loop system, below-grade tank or alternative request
	ability should operations result in pollution of surface water, ground water or the ply with any other applicable governmental authority's rules, regulations or ordinances.
Operator:Roddy Production	OGRID #:
Address:PO Box 2221 Farmington NM 87499	
Facility or well name:Amerada Jicarilla #4	OIL CONS. DIV.
API Number:30-039-22585	OCD Permit Number: DIST. 3
U/L or Qtr/QtrSW/NE Section11 Township23	BNRange3WCounty:Rio Arriba
Center of Proposed Design: Latitude36.23906	Longitude107.12136 NAD: ☐1927 ⊠ 1983
Surface Owner:  Federal  State Private Tribal Trust or Indian	Allotment
Pit: Subsection F or G of 19.15.17.11 NMAC	☐ Closed-loop System: Subsection H of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover	☐ Drying Pad ☐ Tanks ☐ Haul-off Bins ☐ Other
☐ Permanent ☐ Emergency ☐ Cavitation ☒ Steel Pit	☐ Lined ☐ Unlined
Lined Unlined	Liner type: Thicknessmil
Liner type: Thicknessmil	Other
Other String-Reinforced	Seams:   Welded  Factory  Other
Seams: Welded Factory Other	Volume:130bblyd <sup>3</sup>
Volume: bbl Dimensions: L x W x D	Dimensions: Length20 x Width10
Below-grade tank: Subsection I of 19.15.17.11 NMAC	Fencing: Subsection D of 19.15.17.11 NMAC
Volume:bbl	☐ Chain link, six feet in height, two strands of barbed wire at top
Type of fluid:	Four foot height, four strands of barbed wire evenly spaced between one and
Tank Construction material:	four feet
☐ Secondary containment with leak detection	Netting: Subsection E of 19.15.17.11 NMAC
☐ Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	☐ Screen ☐ Netting ☐ Other
☐ Visible sidewalls and liner	☐ Monthly inspections
☐ Visible sidewalls only	Signs: Subsection C of 19.15.17.11 NMAC
Other	12'x24', 2' lettering, providing Operator's name, site location, and
Liner type: Thicknessmil  HDPE PVC	emergency telephone numbers
Other	Signed in compliance with 19.15.3.103 NMAC
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	Administrative Approvals 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:  Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office 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 acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No
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 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applies to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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 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 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ 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
<ul> <li>Within an unstable area.</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 FEMA map	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the deattached.  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 19.15.17.1 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:  or Permit Number:	ocuments are 9 NMAC
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the definition of the statement of the	ocuments are
attached.  ☐ Geologic and Hydrogeologic Data (required for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of ☐ Siting Criteria Compliance Demonstrations (required for on-site closure) - based upon the appropriate requirements of 19.15.17.10 ☐ 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 - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC NMAC	19.15.17.9
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 doc	oumants ara
attached.	cuments 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 19.15.17.11 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	
Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ Permanent Pit ☐ Below-grade Tank ☒ Closed-loop System ☐	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 (Exceptions must be submitted to the Santa Fe Environmental Bureau for con	sideration)
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.	
Ground water is less than 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 between 50 and 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
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 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 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 private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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
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 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.  - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain.	☐ Yes ☐ No

Form C-144 Oil Conservation Division Page 3 of 4

Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NM	MAC) Instructions: Each of the following items must be attached to the
closure plan. Please indicate, by a check mark in the box, that the document	
☐ Protocols and Procedures - based upon the appropriate requirements of ☐ Confirmation Sampling Plan (if applicable) - based upon the appropria	
Disposal Facility Name and Permit Number (for liquids, drilling fluids	
Soil Backfill and Cover Design Specifications - based upon the approp	
Re-vegetation Plan - based upon the appropriate requirements of Subse	ection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Su	ubsection G of 19.15.17.13 NMAC
Waste Removal Closure For Closed-loop Systems That Utilize Haul-off I	Bins Only: (19.15.17.13.D NMAC) Instructions: Please indentify the facility
or facilities for the disposal of liquids, drilling fluids and drill cuttings.	
Disposal Facility Name:TnT Disposal	Disposal Facility Permit Number: NM-01-0008
	h of the following items must be attached to the closure plan. Please indicate,
by a check mark in the box, that the documents are attached.	, , , , , , , , , , , , , , , , , , ,
Siting Criteria Compliance Demonstrations - based upon the appropria	
Proof of Surface Owner Notice - based upon the appropriate requireme	
Construction and Design of Burial Trench (if applicable) based upon t	
☐ Protocols and Procedures - based upon the appropriate requirements of ☐ Confirmation Sampling Plan (if applicable) - based upon the appropria	
Waste Material Sampling Plan - based upon the appropriate requirement	
Disposal Facility Name and Permit Number (for liquids, drilling fluids	s and drill cuttings or in case on-site closure standards cannot be achieved)
Soil Cover Design - based upon the appropriate requirements of Subse	ection H of 19.15.17.13 NMAC
Re-vegetation Plan - based upon the appropriate requirements of Subse	
☐ Site Reclamation Plan - based upon the appropriate requirements of Su	absection G of 19.15.17.13 NMAC
Operator Application Certification:	
I hereby certify that the information submitted with this application is true, a	accurate and complete to the best of my knowledge and belief.
	, , ,
Name (Print):Luke Dunn	Title:Engineer
Signature:	
Signature:	Date:7/3/08
	· ·
e-mail address:ldunn@crownquest.com	Telephone: 505-325.5750
-	•
OCD Approval: Permit Application (including closure plan) Closure	ire Plan (only)
OCD Approval: Permit Application (including closure plan) Closure	ire Plan (only)
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Bundon Dandle	ire Plan (only)
OCD Approval: Permit Application (including closure plan) Closure	ire Plan (only)
OCD Approval: A Permit Application (including closure plan) Closure OCD Representative Signature: Bundon Dandle  Title: Enviro/Spec	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Brundon Dandle	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsection	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsections of the sundon Sund	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsection  Waste Excavation and Removal On-Site Closure Method Al	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Sundon Sundon Sundon Sundon Sundon Sundon Sundon Subsection Closure Report (required within 60 days of closure completion): Subsection Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Standard Society Closure Report (required within 60 days of closure completion): Subsect Closure Method:    Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.    Closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Attachment Checklist: Instructions: Each of the following closure Report Report Attachment Checklist: Instructions: Each of the following closure Report R	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Standard Source Closure Report (required within 60 days of closure completion): Subsect Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsection  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Standard Source Closure Report (required within 60 days of closure completion): Subsect Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice  Proof of Deed Notice (if applicable)  Plot Plan  Confirmation Sampling Analytical Results	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice  Proof of Deed Notice (if applicable)  Plot Plan  Confirmation Sampling Analytical Results  Waste Material Sampling Analytical Results	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundon Sundon  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsect  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sundan Sundan Closure Report (required within 60 days of closure completion): Subsect Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Location Location Location Latitude Location L	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure  OCD Representative Signature: Sumofor Sumofor Sumofor Subsection  Title: Enviro Spec  Closure Report (required within 60 days of closure completion): Subsection  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  Operator Closure Certification:	Approval Date:
OCD Approval: Permit Application (including closure plan) Closure Report (required within 60 days of closure completion): Subsect Closure Report (required within 60 days of closure completion): Subsect Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Loc Operator Closure Certification: I hereby certify that the information and attachments submitted with this close	Approval Date:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Sundon Sundon Subsective Signature: Subsective	Approval Date: 7/1068  OCD Permit Number:
OCD Approval: Permit Application (including closure plan) Closure Report (required within 60 days of closure completion): Subsect Closure Report (required within 60 days of closure completion): Subsect Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude Loc Operator Closure Certification: I hereby certify that the information and attachments submitted with this close	Approval Date: 7/1068  OCD Permit Number:
OCD Representative Signature: Summer Summer Summer Subsection  Closure Report (required within 60 days of closure completion): Subsection  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  Departor Closure Certification:  I hereby certify that the information and attachments submitted with this closure leaf.  Name (Print):	Approval Date:
OCD Approval: Permit Application (including closure plan) Closure OCD Representative Signature: Sundon Sundon Subsective Signature: Subsective	Approval Date:
OCD Representative Signature: Summer Summer Summer Subsection  Closure Report (required within 60 days of closure completion): Subsection  Closure Method:  Waste Excavation and Removal On-Site Closure Method All If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following mark in the box, that the documents are attached.  Proof of Closure Notice Proof of Deed Notice (if applicable) Plot Plan Confirmation Sampling Analytical Results Waste Material Sampling Analytical Results Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) On-site Closure Location: Latitude  Departor Closure Certification:  I hereby certify that the information and attachments submitted with this closure leaf.  Name (Print):	Approval Date:

### **Closed Loop Design Plan**

The closed-loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will only be an above ground tank suitable for holding the cement returns from plugging operations. The tank will be sufficient volume to maintain a safe free board.

- 1. Fencing is not required for an above ground closed loop system
- 2. The well location is currently signed in compliance with 19 15 3 103 NMAC

### **Closed-loop Operating and Maintenance Plan**

The closed-loop tank will be operated and maintained to contain liquids and solids and aid in the prevention of contamination of fresh water sources in order to protect public health and the environment. The following steps will be followed:

- Liquid will be vacuumed out and disposed of in an approved facility. Solids in the tank will be vacuumed out and disposed of at TnT Disposal (NM-01-0008). This will be done with both water and solids on a time interval that will allow enough freeboard to maintain a safe water level in the tank.
- 2. No hazardous waste or miscellaneous solid waste will be discharged into or stored in the tank.
- 3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the tank. Upon discovery of any leak, repairs will be made immediately.

### **Closed-Loop Closure Plan**

The closed-loop tank will be closed in accordance with 19 15 17 13 NMAC. This will be done by transporting any solid returns to TnT Disposal. Any remaining liquid will be vacuumed out and disposed of at an approved facility. The portable tank will then be moved as part of the plugging unit rig move. Any disturbed ground will be restored and re-vegetated when the plugging of the well is completed. A closure form will be submitted within 60 days of site closure.