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 June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

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

	Pit, Below-	-Grade Tank, or	•	
2639 Proposed A	Iternative Method		=	ion
Type of action: Be	low grade tank registration rmit of a pit or proposed al osure of a pit, below-grade odification to an existing posure plan only submitted	n Iternative method tank, or proposed alt ermit/or registration	ernative method	
or proposed alternative r	nethod	0.		
5-35566 Instructions: Please subm	nit one application (Form C-1	144) per individual pit,	below-grade tank or alterr	native request
Please be advised that approval of this request doc environment. Nor does approval relieve the opera				
Operator: Logos Operating, LLC.		OGRID #: 289408	01	L CONS. DIV DIST. 3
Address: 4001 North Butler Ave, Building	7101, Farmington, NM 8740	1		
Facility or well name: Warner-Caldwell 3B	<u> </u>	<u>.</u>		JUL 2 2 2014
API Number: <u>30-045-35506</u>		OCD Permit Number:		
U/L or Qtr/Qtr B Section 08	Township 23N	Range <u>08W</u>	County: San Ju	ıan
Center of Proposed Design: Latitude 36.24	18056°N	Longitude107.7	025°W	NAD: □1927 🛛 1983
Surface Owner: ☐ Federal ☐ State ☐ Priva	nte 🗌 Tribal Trust or Indian /	Allotment		
Temporary: ☐ Drilling ☐ Workover ☐ Permanent ☐ Emergency ☐ Cavitation ☐ Lined ☐ Unlined Liner type: Thickne ☐ String-Reinforced Liner Seams: ☐ Welded ☐ Factory ☐ Ot	essmil	PE HDPE PVC	Other	<u> </u>
3. Subsection I of 19.1 Volume: 95 bbl Type Tank Construction material: Metal	5.17.11 NMAC e of fluid: Produced Wat	ter X Occi) Conditions of	Approval Attached
☐ Secondary containment with leak detection ☐ Visible sidewalls and liner ☐ Visible s ☐ Liner type: Thickness			atic overflow shut-off	
4. Alternative Method: Submittal of an exception request is required.	Exceptions must be submitt	ted to the Santa Fe Envi	ronmental Bureau office fo	or consideration of approval.
	Ziteoptions must be subtilit	Care Gaina i o Bilvi		
Fencing: Subsection D of 19.15.17.11 NMA Chain link, six feet in height, two strands institution or church)	of barbed wire at top (Require	ed if located within 1000		ence, school, hospital,
Four foot height, four strands of barbed w	· -			
Alternate. Please specify: 4' hog wire w	tin one strang of barbed wire	on top		

Page 1 of 6

1	
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen □ Netting □ Other □ Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC □ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.16.8 NMAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accept material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	otable 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
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. (Does not apply to below grade tanks) - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☑ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Form C-144

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 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 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:	O 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 do 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 Previously Approved Design (attach copy of design) API Number: or Permit Number:	.15.17.9 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	documents are
### Attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
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 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	Fluid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be 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	
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. I 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
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
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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes No

Written confirmation or verification from the municipality; Written approval obtained from the municipality Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 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. FEMA map Within a 100-year floodplain. FEMA map Within a 100-year floodplain. FORMS that the documents are attached. Siting Griteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Cowner Notice - based upon the appropriate requirements of 19.15.17.10 NMAC Construction/Design Plan of Europara' Pit (for inplace busined of a drying pard) - based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for inplace busined of a drying pard) - based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for inplace busined of a drying pard) - based upon the appropriate requirements of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for inplace busined of a drying pard) - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Temporary Pit (for inplace busined of a drying pard) - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permi Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of 19.15.17.13 NMAC Soil Rover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC The disposal Facility Name and Permi Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Increase Application Certification:		1							
. Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division ves No No No No No No No N	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 Wishin a 100-year floodplain. FEMA map Wishin a 100-year floodplain. FEMA map ### Annual No. Penal Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Sting Criteria Compliance Demonstrations- based upon the appropriate requirements of 19.15.17.10 NMAC Contraction Design Plan of Parial Trach (If applicable) based upon the appropriate requirements of 19.15.17.13 NMAC Contraction Design Plan of Parial Trach (If applicable) based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan of applicable) and proper plan of parial plan of the property of the prope		☐ Yes ☐ No							
Society: Topographic map yithin s 1019-year floodplain. year No Year Year No Year Yea	Within an unstable area.								
FEMA map Yes No		Yes No							
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check must in the bax, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Burial Trench (if applicable) because upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Burial Trench (if applicable) - based upon the appropriate requirements of Subsection K of 19.15.17.13 NMAC Confirmation Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Subsection Marching Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Site Reclamation 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 Reclamation 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 Reclamation 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 Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Certification: Instructions: Operator application Certification: Instructions: Operator application (including closur/plan) Construction of the based on the second of the se									
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check must in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Burial Trench (if applicable) in a daying pad) - based upon the appropriate requirements of Subsection K of 19.15.17.13 NMAC Confirmation Sampling Plan of Burial Trench (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Subsection of 19.15.17.13 NMAC Subsection M of 19.1	16								
Decrator Application Certification: Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print):Tamra Sessions	On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.11 NMAC Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC								
Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief. Name (Print):									
Name (Print):		ief.							
Date: 7-22-14 Or yield 4-71-74									
COCD Approval: Permit Application (including closure plan) Cosure Plan (only) OCD Conditions (see attachment)	Name (Print): Tamra Sessions Title: Operations Technician								
OCD Approval: Permit Application (including closure plan closure plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 7/25//4 Title: Spec OCD Permit Number: 12039 12. 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 we been completed. Closure Method: Closure Completion Date:	i ———— /)								
OCD Approval: Permit Application (including closure plan) Glosure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 7/25//4 Title: Spec OCD Permit Number: 39 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:	Signature: Date: 7-22-14 (ory	id 4-17-14)							
10. 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 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 or 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)		ind 4-17-14)							
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:	e-mail address: tsessions@logosresourcesllc.com Telephone: 505-330-9333	ind 4-17-14)							
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: 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 (fi applicable) Waste Material Sampling Analytical Results (required for on-site closure) Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Revegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation)	e-mail address: tsessions@logosresourcesllc.com Telephone: 505-330-9333 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) COCD Conditions (see attachment)	25/14							
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)	e-mail address: tsessions@logosresourcesllc.com Telephone: 505-330-9333 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) COD Conditions (see attachment) OCD Representative Signature: Approval Date:	25/14							
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)	e-mail address:	25/14 g the closure report.							
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)	e-mail address:tsessions@logosresourcesllc.com	25/14 g the closure report.							
	e-mail address:	the closure report.							

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

Logos Operating, LLC San Juan Basin Variance Explanation for BGT

All requested variances provide equal or better protection of fresh water, public health and the environment.

C-144 Item #3 BGT Design

Rule 19.15.17.11 I. The BGT system is designed to be used as a drain tank only under manual and supervised operations. The BGT's are located at batteries that have primary water tanks so that the BGT is not used as a primary water pit, it is only used as a drain pit for primary tanks. Any fluid drained from the separators will be drained into the BGT manually and under constant supervision to ensure that the tank is not overflowed. Fluid will not be continuously pumped into the BGT, therefore, this design is based on 19.15.17.11.I.4.c. This design and operation is expected to offer equal or better protection to the environment because all operations that utilize the BGT are conducted manually and are supervised versus an automated system that can fail without onsite supervision to address the failure.

C-144 Item #5 Fencing

Rule 19.15.17.11 D (3) The BGT will be contained within the operating berm and Logos will build a fence with 4' hog wire fencing with one strand of barbed wire on top to deter unauthorized access.

BGT Design - Liner

Rule 19.15.17.11 I. An impermeable liner will be installed below the BGT so that any leak in the BGT will flow to a visible point on top of the impermeable liner. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as K45B. This product is four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. K45B is reinforced with 1300 denier polyester bi-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications.

BGT Closure Notification

Rule 19.15.17.13 E. If the surface owner is a public entity (BLM/State/Tribal) then an email notification will be sent, of plans to close the BGT at least 72 hours, but no more than 1 week, prior to any closure operation. The notice will include the well name, API number, and location.

DURA-SKRIM® K30B, K36B & K45B



Scrim Reinforced Polyethylene

PRO-FORMA DATA SHEET		DURA+SK	RIM K30B	DURA+SK	RIM K36B	DURA+SKRIM K45B			
PROPERTIES	TEST METHOD	Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages	Minimum Roll Averages	Typical Roll Averages		
APPEARANCE		Black	Black	Black	Black	Black	Black		
THICKNESS		27 mil	30 mil	32 mil	36 mil	40 mil	45 mil		
WEIGHT LBS/MSF, (OZ/YO ²)	1996 1997 1998	116 (16.7)	. 125 (18.0)	136 (19.6)	155 (22.3)	175 (25:2)	200 (28.8)		
CONSTRUCTION			De	nse scrim reinfo	rced polyethyle	ene .			
*PLY Adhesion - LBF/IN	ASTM D 6636	17 or FTB	20 or FTB	21 or FTB	28 or FTB	24 or FTB	32 or FTB		
Tensile Strength - LBF/in	ASTM D 7003	165 MD 159 TD	182 MD 170 TD	170 MD 166 TD	186 MD 175 TD	178 MD 170 TD	195 MD 180 TD		
Tensile Elongation at Break % (film break)	ASTM D 7003	480 MD 430 TD	540,MD 500 TD	500 MD 450 TD	575 MD 520 TD	520 MD 470 TD	590 MD 550 TD		
TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7003	32 MD 32 TD	35 MD 35 TD	32 MD 32 TD	35 MD 35 TD	32:MD 32:TD	35 MD 35 TD		
Tongue Tear Strength - LBF	ASTMID 5884	185 MD 160 TD	195 MD 185 TD	160 MD 120 TD	180 MD 140 TD	140 MD 120 TD	175 MD 145 TD		
GRAB TENSILE - LBF. (SCRIM BREAK)	ASTM D 7004	260 MD 245 TD	270 MD 255 TD	280 MD 270 TD	300 MD 290 TD	260 MD 245 TD	270 MD 255 TD		
GRAB TENSILE ELONGATION AT BREAK % (SCRIM BREAK)	ASTM D 7004	25	32	25	32	25	32		
HIGH PRESSURE OIT (HPOIT)	ASTM D 5885	1000 min	2400 min	1000 min	2400 min	1000 min	2400 min		
Puncture Resistance - LBF	ASTM D 4833	85	100	110	120	120	133		
MAXIMUM USE TEMPERATURE		180	°F'	180	°F	180° F			
MINIMUM USE TEMPERATURE		-70	°F	-70	°F	-70	°F-		

^{*}Raven modified QC procedure



The data listed in this Pro-Forma data sheet is representative of initial production runs. These values may be revised at anytime without notice as additional test data becomes available.



DURA SKRIM® K30B, K36B and K45B are linear low density polyethylene geomembranes reinforced with a heavy dense scrim reinforcement. In addition to excellent dimensional stability the K-Series reinforcement provides unmatched tear and tensile strength. DURA SKRIM® K-Series membranes are formulated with thermal and UV stabilizers to assure a long service life.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.





New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is

closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

	POD				./	7					3.		
POD Number Code	Sub- basin County				: Sec	Twe	Rna	X		Distance			Water
SJ 02686	SJ						08W	257502	4017472*		690	690	0
SJ 00001	SJ		4	1	12	23N	09W	253534	4014427* 1	3648	695	630	65
SJ 03978 POD1	SJ	1	2	1	22	23N	W80	259816	4011541 👸	4161	500	260	240
SJ 01709	SJ		1	1	27	23N	W80	259451	4009831* 🅞	5424	317	225	92
SJ 00960	SJ	3	3	3	36	24N	W80	262730	4016518* 🕞	5835			
<u>SJ 00960 S</u>	SJ	3	1	3	36	24N	W80	262744	4016920*	5982			
SJ 00960 S-2	SJ	3	2	3	36	24N	W80	263147	4016909* 🕣	6356			
SJ 00960 S-3	SJ	2	4	3	36	24N	W80	263336	4016707*	6470			
SJ 00870	SJ		2	3	36	24N	W80	263248	4017010* 🚱	6485	250		
SJ 01304	SJ			2	01	23N	W80	263823	4015987* 🕞	6768	100		
SJ 01334	SJ			2	01	23N	W80	263823	4015987*	6768	90	40	50
SJ 01710	SJ		1	3	25	23N	09W	252985	4009203*	6949	550	173	377
SJ 01712	SJ	•	2	4	27	24N	09W	251195	4018933* 🕞	7290	528	515	13
SJ 01335	RA			1	31	24N	07W	264672	4017581* 🕞	8019	185		
SJ 01131	RA		1	4	19	24N	07W	265313	4020131*	9760	1700	400	1300

Average Depth to Water: 366 feet

Minimum Depth:

40 feet

Maximum Depth:

690 feet

Record Count: 15

UTMNAD83 Radius Search (in meters):

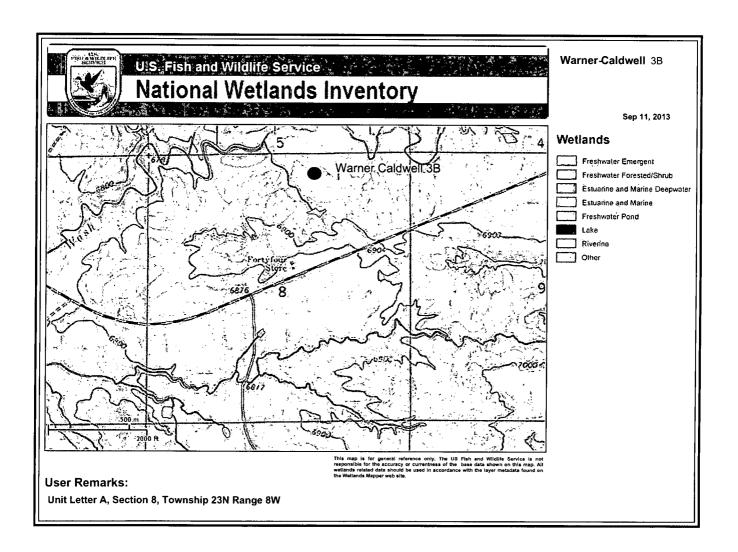
Easting (X): 257168

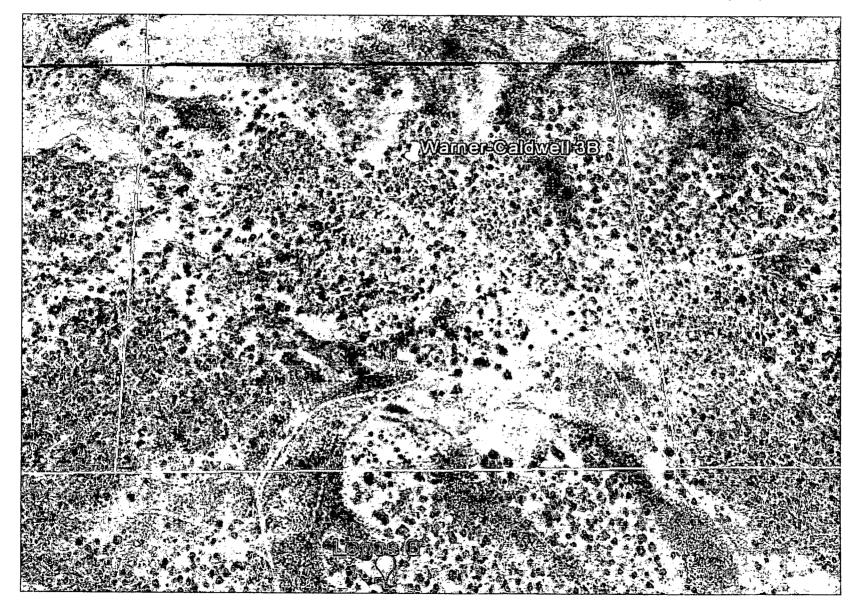
Northing (Y): 4014752

Radius: 10000

*UTM location was derived from PLSS - see Help

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 particular purpose of the data.





MO-TE DRILLING, INC.

DAY	
DHILLER Zuch M	LEFT TOWN ARRIVED FIELD
HELPER Bob H.	LEFT FIELD ARRIVED TOWN
HELPER Toos H.	TOTAL FOOTAGE TODAY
RIG NO. 207 DATE 1-17-	13 CLIENT & Logos Operating
BEGIN WORK ON HOLE NO. LOGOS # 5	ATFEET
BEGIN WORK ON HOLE NO Tost hole	G/4 AT FEET
TIME FROM TO	ACTIVITY 30-045-35423
8 46 9 Drive to	
930 1000 Pig Up	
1000 1015 17019 614	ion 0 1065
1015 /115 True out	vait I hour test for Water
115 1130 00116/4 1	Sem 65 10 120
1100 Trip out ROM	wait I have test for water
back all b	wle.
100 215 Drive tock	to youd
L VO	WATER
0-10 5400	50:00 Shale
المجمعة المنافلة	ND GO'-70 Shale Clay
	Lloy 70: 80 5"heil pol
30-40 Chin	80' 90' Clay
40:50' Sardatan	10lay 90-100 Clay
SIZE 8 MAKE SERIAL NO. FOOT	nGE 100-110' Standstone/Clay
	110-120' Sard Clay Mix
	`
	1 Day Rig 3500 "
CIACULATION MATERIAL GUAN LINIT MATERIAL GUAN CIRCULATION MATERIAL M	7700
	ter Level Meter 1000
	Tay 3/1 72
NO. OF LOADS OF WATER SOUR	ce Total 4686 72

Hydro geological report for Warner-Caldwell 3B

Referenced Well Location:

The Warner-Caldwell 3B is located on public lands managed by the BLM in San Juan County, New Mexico. The proposed development is situated south of Kimbeto Wash in rolling hillside terrain north of U.S. Highway 550. Elevation of the referenced well is 6867'.

General Regional Groundwater Description:

As a portion of the San Juan Basin, the FFO region is underlain by sandstone aquifers of the Colorado Plateau. The primary aquifer of potential concern at this location is the Uinta-Animas Aquifer, composed primarily of Lower Tertiary rocks in the San Juan Basin. The aquifer consists of the San Jose Formation; the underlying Animas formation and its lateral equivalent, the Nacimiento formation; and the Ojo Alamo Sandstone. The thickness of the Uinta-Animas aquifer generally increases toward the central part of the basin. In this region, the maximum thickness of the aquifer is approximately 3500 feet (USGS, 2001). This aquifer contains fresh to moderately saline water. Groundwater generally flows toward the San Juan River and its tributaries, where it becomes alluvial groundwater or is discharged to stream flow.

Site Specific Information:

Surface Hydrology: The BGT is located on gently rolling terrain with erosional drainages to the south and west of the proposed project area.

1st Water Bearing Formation: San Jose, Tertiary; Formation Thickness: Approximately 1,900 ft. Underlying Formation: Nacimiento, Tertiary

Depth to Groundwater:

Depth to groundwater is estimated at greater than 25' below bottom of the BGT. A test water well drilled to 120' on the Logos 5, elevation 6867', found no water. The Warner-Caldwell 3B elevation is also 6867', so ground water depth is 120', therefore ground water depth to bottom of BGT is greater than 100'.

Siting Criteria

- 1. According to the iWaters Database from the State Engineers Office, the closest known water well SJ-02686 is 2740 meters (1.7miles) away in Section 32 of T24N R8W. The depth of the well is 690 feet and water depth is 690'
- 2. As shown on the attached topographic map and aerial photos, there are no continuously flowing watercourses within 100' of the BGT, or any significant watercourses, lakebeds, sinkholes or playa lakes within 100' of the BGT.
- 3. There are no domestic water wells or springs within 200' of the BGT. See iWaters Database printout.



Logos Operating Below Grade Tank Design and Construction Plan

In accordance with NMAC 19.15.17, the following information describes the design and construction plan for below grade tanks (BGT) for Logos Operating, LLC (Logos). This is a standard design and construction plan for Logos.

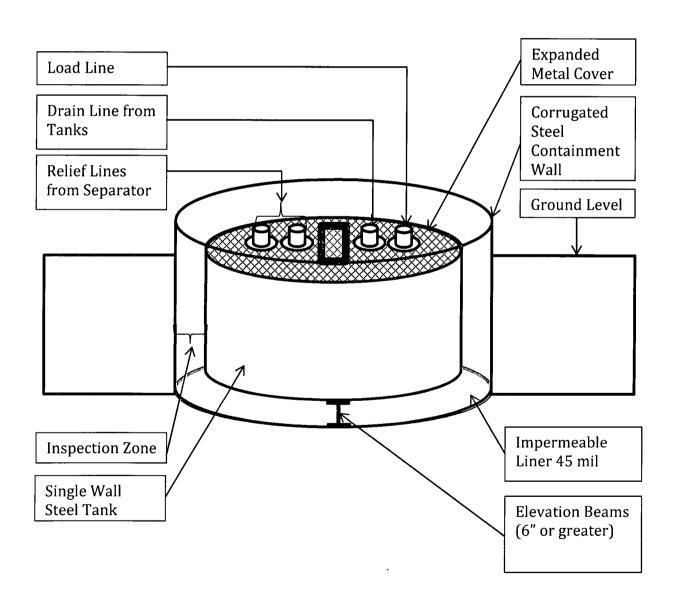
General Plan in Accordance with 19.15.17.11

- 1. Logos will design and construct a BGT to contain liquids and solids that is designed to prevent contamination of fresh water and protect public health and the environment.
- 2. The location of the BGT will be at a battery or well location which contains proper upright signs (in compliance with 19.15.17.11C).
- 3. The BGT will be contained within the operating berm and will be protected with 4' hog wire fencing with one strand of barbed wire on top to deter unauthorized access. A six foot chain link fence topped with two strands of barbed wire will be used if the BGT is within 1000 feet of permanent residence, school, hospital, institution or church. Logos ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. The BGT will have an expanded metal cover.
- 5. The BGT will be constructed out of steel which is resistant to the particular contents and resistant to damage from sunlight. The pit will be painted to minimize rust and corrosion.
- 6. The foundation will be level, free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks, indentations of the liner or tank bottom.
- 7. The BGT will be designed and constructed to prevent surface water run-on from entering the tank. The corrugated steel wall surrounding the pit will be above grade and will prevent water from running into the BGT.
- 8. The BGT will have a single wall that is capable of being inspected. The BGT will have a corrugated steel wall barrier that prevents the ground from collapsing around the BGT and allows for the BGT to be thoroughly inspected by providing a direct sight line to the BGT bottom and to the BGT impermeable liner.
- 9. The BGT will be set on beams, six inches or greater, on the liner in a way that will protect the bottom of the BGT from sharp objects.
- 10. The BGT system is designed to be used as a drain tank only under manual and supervised operations. The BGT's are located at batteries that have primary water tanks so that the BGT is not used as a primary water pit, it is only used as a drain pit for primary tanks. Any fluid drained from the separators will be drained into the BGT manually and under constant supervision to ensure that the tank is not overflowed. Fluid will not be continuously pumped into the BGT, therefore, this design is based on

- 19.15.17.11.I.4.c. This design and operation is expected to offer equal or better protection to the environment because all operations that utilize the BGT are conducted manually and are supervised versus an automated system that can fail without onsite supervision to address the failure.
- 11. An impermeable liner will be installed below the BGT so that any leak in the BGT will flow to a visible point on top of the impermeable liner. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as K45B. This product is four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. K45B is reinforced with 1300 denier polyester bi-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture spec sheet is attached.



Logos Operating Below Grade Tank Design





Logos Operating Below Grade Tank Operation and Maintenance Plan

In accordance with NMAC 19.15.17, the following information describes the operation and maintenance plan for below grade tanks (BGT) for Logos Operating, LLC (Logos). This is a standard procedure for Logos.

General Plan in Accordance with 19.15.17.12

- 1. Logos will operate and maintain the BGT to contain liquids and solids while maintaining the integrity of the liner, BGT, and corrugated steel wall. The operation and maintenance are plan are designed to prevent contamination of fresh water and protect public health and safety.
- 2. Logos will not store or discharge hazardous waste into the BGT.
- 3. If the BGT develops a leak, Logos will remove all of the fluids from the BGT within 48 hours and notify the appropriate division office pursuant to 19.15.29 NMAC. Logos will immediately take the BGT out of service until it is properly repaired or replaced.
- 4. The BGT will be operated and designed to prevent the collection of surface water run-
- 5. The BGT will be bounded by a corrugated steel wall which will contain an unanticipated release. The BGT and corrugated steel wall are also located inside of the berm which will act as a secondary containment barrier in the event of an unanticipated release.
- 6. Logos will not allow the BGT to overflow or collect surface water run on. Overflow will be prevented by operating the BGT manually which requires complete supervision during draining operations to the BGT. Operators will manually open and shut off the lines that fill the BGT during draining operations. Surface water run-on is prevented by having a corrugated steel ring that is above ground level which will prevent water run-on from entering the BGT as well as a radial space that keeps the BGT walls away from the ground level which will also prevent water-run on from entering and overfilling the BGT.
- 7. Logos will remove any measurable layer of oil from the BGT.
- 8. The BGT will be inspected for leak and damage at least monthly and the integrity will be documented annually with records maintained for at least 5 years.
- 9. The BGT will be operated with adequate freeboard to prevent overflow of the BGT.
- 10. The BGT sidewalls will be kept free of anything that could not allow for inspection of liner and sidewalls.



Logos Operating Below Grade Tank Closure Plan

In accordance with NMAC 19.15.17.13, the following information describes the closure plan for below grade tanks (BGT) for Logos Operating, LLC (Logos).

General Plan in Accordance with 19.15.17.13

- 1. Logos will obtain approval of a closure plan prior to commencing closure operations.
- 2. Logos will notify the surface owner by certified mail, return receipt requested, unless surface owner is a public entity (BLM/State/Tribal) then an email notification will be sent, of plans to close the BGT at least 72 hours, but no more than 1 week, prior to any closure operation. The notice will include the well name, API number, and location.
- 3. Logos will notify the appropriate district office verbally and in writing with at least 72 hours of notice but no more than 1 week. The notice will include well name and API number as well as the location containing unit letter, section, township, and range.
- 4. Logos will remove liquids and sludge from the BGT within 60 days of cessation of operations and dispose of those at a division approved facility.
- 5. Within 6 months of cessation of operations, Logos will dispose, reuse/recycle or reclaim in a division approved manner the BGT, and all unused equipment associated with the BGT.
- 6. The soils beneath the BGT will be tested as follows:
 - a. A five point composite sample including any obvious staining or wet soils shall be taken under BGT and will be analyzed for constituents listed in Table I (see page 2) of 19.15.17.13 NMAC.
 - b. Based on the results of the soil test, Logos will obtain NMOCD District approval prior to completing any necessary additional delineation for closure. If the soil tests are at or below the standards of closure, Logos will proceed with closure.
- 7. Upon closing of the BGT, Logos will reclaim the unused BGT location to a safe and stable condition that blends with the surrounding undisturbed area as provided in Paragraph 2 of subsection H of 19.15.17.13 as well as recontouring the area in accordance with paragraph 5 in subsection H of 19.15.17.13 NMAC. The soil cover will be constructed to prevent ponding of water and erosion of the cover material.
- 8. The reclamation of the BGT area will contain a uniform vegetative cover that reflects a life-form ratio of plus or minus fifty (50%) of pre-disturbance levels and a total percent plant cover of at least seventy (70%) of pre-disturbance levels, excluding noxious weeds. The re-vegetation and reclamation obligations imposed by other

- applicable federal or tribal agencies that manage the lands will supersede these provisions and govern the obligations.
- 9. Logos will notify the division when reclamation and re-vegetation is complete.
- 10. Logos will submit a closure report on form C-144 within 60 days of closure completion. The closure report will contain back filling details, capping and covering where applicable, all necessary attachments, certification that all information contained in the report is correct and that the operator has complied with all applicable closure requirements to the best of its knowledge.

Components	Tests Method	Limit (mg/Kg)
		≤50' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.0	600
GRO/DRO	EPA SW-846 80165M	n/a
		51'-100' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
Chlorides	EPA 300.0	10,000
GRO/DRO	EPA SW-846 80165M	1000
	7	>100' bottom of BGT to GW
Benzene	EPA SW-846 8021B or 8015M	10
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	2500
Chlorides	EPA 300.0	20,000
GRO/DRO	EPA SW-846 80165M	1000

State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

David Martin
Cabinet Secretary

Jami Bailey, Division Director Oil Conservation Division



Brett F. Woods, Ph.D. Deputy Cabinet Secretary

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

	follov	ving	g <u>3160-</u>	4 or 3	60-	<u>-5</u> f	form.						
Operator Signature	Date:												
Application Type:	A []	Dril	ling/Ca	ısing (Cha	ıng	je [Reco	om	ple	te/l	DΗ	IC
☐ Location Change ☑ Other: Well information:													
and the second of the second o	ell Name	Well	2 Operato	Name	Type	g Stat	County	Surf Owner	ÜĹ	Sec	Twp	N/S	Rnc
30-045-35506-00-00 W	VARNER LDWELL	003B	LOGOS OPI	ERATING,	0	N	San Juan	F	В	8	23	N	Rng 8
Tamera, I have approved the Please be advised, device does not proenvironment; Logo all BGT's that followers to make any NMOCD Approve	e alternate if it is four ovide equal os may be r ow this des	nd that I or be required in the determinant of the	at Logos' etter prote ed to inst lan. The	variance ection of all Autor OCD wi	requ fresl	est in wa	to the later, pugh	nigh level Iblic health	n and	d the	e		