1625 N. French Dr., Hobbs, NM 88240 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

Center of Proposed Design: Latitude

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.

NAD: □1927 🛛 1983

107.93690

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Proposed Alternative Met				ication	
✓ Modification to an exi ☐ Closure plan only sub-	d-loop system, below-gr sting permit mitted for an existing pe proposed alternative met	rade tank, rmitted of thod	or proposed a	alternative method	system,
lease be advised that approval of this request does not relieve the operative operative. Nor does approval relieve the operator of its responsibility	tor of liability should operat	ions result	in pollution of s	urface water, ground	water or the
Operator: BP AMERICA PRODUCTION COMPANY 200 ENERGY COURT, FARMINGTON, NM		GRID #:		778	
Facility or well name: Mudge LS 8A					
API Number: 30-045-23046	OCD Permit Numb				
U/L or Otr/Otr Section 12 Township	n 31N Range	11W	County:	San Juan	

Longitude ____

Surface Owner: X Federal State Private I Iribal Irust or Indian Allotment
Pit: Subsection F or G of 19.15.17.11 NMAC
Temporary: Drilling Workover
Permanent Emergency Cavitation P&A
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.
Closed-loop System: Subsection H of 19.15.17.11 NMAC
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)
☐ Drying Pad ☐ Above Ground Steel Tanks ☐ Haul-off Bins ☐ Other
Lined Unlined Liner type: Thicknessmil LLDPE HDPE PVC Other
Liner Seams: Welded Factory Other
4. ✓ Below-grade tank: Subsection I of 19.15.17.11 NMAC Note: 21 bbl BGT to be modified to 95 bbl BGT
Volume: 21 to 95 bbl Type of fluid: Produced water
Tank Construction material: Steel
Secondary containment with leak detection Uisible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 11

Page 1 of 5

Liner type: Thickness

Alternative Method:

mil HDPE PVC Other

6 t. 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 Hogwire Fencing per attached plan				
7.				
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)				
8. 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 19.15.3.103 NMAC				
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 of	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 accept material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying above-grade tanks associated with a closed-loop system.	table source priate district pproval.			
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)	☐ Yes ☐ No ☐ NA			
- 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 search; 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 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.	□ v□ v.			
- 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 FEMA map	☐ Yes ☐ No			

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are				
attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC				
Previously Approved Design (attach copy of design) API Number: or Permit Number:				
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 documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC				
Previously Approved Operating and Maintenance Plan API Number:				
above ground steel tanks or haul-off bins and propose to implement waste removal for closure)				
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 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 Gil 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 Method - Confirmation sampling only - Protocols and Procedures included in attached Closure Plan 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 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 consideration)				
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F 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 G of 19.15.17.13 NMAC				

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground States Instructions: Please indentify the facility or facilities for the disposal of liquids, a facilities are required.			
-	Disposal Facility Permit Number:		
Will any of the proposed closed-loop system operations and associated activities oc ☐ Yes (If yes, please provide the information below) ☐ No			
Required for impacted areas which will not be used for future service and operations: 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 I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC			
17. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the operation below. Requests regarding changes to certain siting criteria may require considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for	e administrative approval from the appropriate distr Bureau office for consideration of approval. Justi,	rict office or may be	
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 sign lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	nificant watercourse or lakebed, sinkhole, or playa	Yes No	
Within 300 feet from a permanent residence, school, hospital, institution, or church - Visual inspection (certification) of the proposed site; Aerial photo; Satellite		☐ Yes ☐ No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or spring that less water wat	oring, in existence at the time of initial application.	☐ Yes ☐ No	
Within incorporated municipal boundaries or within a defined municipal fresh wate adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approve		☐ Yes ☐ No	
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visua	l 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 Society; Topographic map	& Mineral Resources; USGS; NM Geological	☐ Yes ☐ No	
Within a 100-year floodplain FEMA map		☐ Yes ☐ No	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of 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 F of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements 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 Subsection F of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 G of 19.15.17.13 NMAC			

Operator Application Certification:		ha hart of my broudedes and halisf
I hereby certify that the information submitted with this application is true, accurate a	-	
Name (Print): LARRY SCHLOTTERBACK	Title:	VIRONMENTAL COORDINATOR
Signature: Tauy Sek blubelo		MARCH 23, 2008
e-mail address: larry.schlotterback@bp.com	Telephone:	(505) 326-9200
OCD Approval: ☐ Permit Application (including closure plan) ☐ Closure Plan (only) 🗌 OCE	Conditions (see attachment)
OCD Representative Signature:		Approval Date: 3/1/1/
Title: Compliance Offices 00	CD Permit Num	nber:
Closure Report (required within 60 days of closure completion): Subsection K o Instructions: Operators are required to obtain an approved closure plan prior to im The closure report is required to be submitted to the division within 60 days of the c section of the form until an approved closure plan has been obtained and the closure	uplementing any completion of the	closure activities and submitting the closure report. closure activities. Please do not complete this
	Closure Com	pletion Date:
22. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative If different from approved plan, please explain.	Closure Method	1 ☐ Waste Removal (Closed-loop systems only)
23. Closure Report Regarding Waste Removal Closure For Closed-loop Systems The Instructions: Please indentify the facility or facilities for where the liquids, drilling two facilities were utilized.		
-	isposal Facility F	Permit Number:
	isposal Facility F	Permit Number:
Were the closed-loop system operations and associated activities performed on or in a Yes (If yes, please demonstrate compliance to the items below) \(\subseteq \text{No} \)	reas that will not	t be used for future service and operations?
Required for impacted areas which will not be used for future service and operations: Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation	•	
Re-vegetation Application Rates and Seeding Technique		
24. Closure Report Attachment Checklist: Instructions: Each of the following items	must be attache	d 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)		
☐ 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)		
On-site Closure Location: LatitudeLongitude		NAD: 1927 1983
25. 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):		
Signature:	Date:	
e-mail address:	Telephone:	

BP AMERICA PRODUCTION COMPANY

San Juan Basin in Northwest New Mexico Below-Grade Tank Design and Construction Plan

Pursuant to Rule 19.15.17.11 NMAC, BP America Production Company (BP) shall construct a below-grade tank (BGT) or modify an existing permitted BGT with the following requirements. Any deviations from this plan will be addressed on the New Mexico Oil Conservation Division's (NMCOD) form C-144 at the time of submittal.

- The BGT will be constructed to contain liquids and prevent contamination of fresh water and protect public health and the environment as to address Subsection A of 19.15.17.11 NMAC.
- 2) A well sign in compliance with 19.15.3.103 NMAC will be posted at the well site to address, at a minimum, those requirements stipulated in Subsection C of 19.15.17.11 NMAC.
- 3) BP will fence or enclose its BGTs in a manner that prevents unauthorized access and shall maintain its fence in good repair.
- BP will fence or enclose a BGT located within 1,000 feet of a permanent residence, school, hospital, institution or church according to the specifications stated in Paragraph 2 of Subsection D, 19.15.17.11 NMAC. At a minimum, a chain link security fence at least six (6) feet in height with at least two (2) strands of barbed wire at the top will be erected. BP will ensure that all gates associated with the fence are closed and locked when responsible personnel are not on-site.
- BP is requesting NMOCD's approval for an alternative fence design that provides, at a minimum, equivalent protection to the design specified in Paragraph 3 of Subsection D of 19.15.17.11 NMAC for BGTs beyond the stated distance in paragraph 4 of this document. BP's proposed design for its BGTs will utilize 48" steel mesh field-fence (hogwire) with a metal or steel top rail. Perimeter T-post will be installed roughly every 10 feet.
- 6) Individual BGT perimeter fencing is not required if an adequate surrounding well site/facility perimeter fence that prevents unauthorized access is currently existing.
- 7) BP's BGTs will be netted, screened, or enclosed with a steel top with a screened steel hatch as to prevent a hazardous condition to wildlife, including migratory birds (addressing Subsection E of 19.15.17.11 NMAC).
- 8) The following requirements adhere to Subsection I of 19.15.17.11 NMAC.
 - a. BP's BGTs will be constructed of materials resistant to produced water, occidental condensate/hydrocarbon fluids, and damage from sunlight (manufacturer's specification documentation attached).
 - b. BP's BGTs shall have a properly constructed earthen foundation consisting of a level base free of rocks, debris, sharp edges, or irregularities as to prevent punctures, cracks or indentations of any liner (if utilized and meet the minimum requirements in Subsection I of 19.15.17.11 NMAC) or BGT bottom.
 - c. The BGT will be constructed to prevent overflow and the collection of surface water run-on by using earthen berms and/or diversion dikes.
 - d. BP may install a BGT according to Subparagraph (a) of Paragraph 4 of Subsection I of 19.15.17.11 NMAC(see simplistic schematic bottom of page 1). The sidewall cellars will typical be constructed of either wooden or steel material and bounded by earthen material. Any loss of the cellar's structural integrity will be evaluated by the monthly inspection as described in BP's Operating and Maintenance Plan for BGTs. BP will demonstrate any liner installed will meet, at a minimum, the specifications addressed in Subparagraph (a) of Paragraph 4 of Subsection I of 19.15.17.11 NMAC. BP will also request NMOCD approval prior to any liner installation described in this paragraph.
 - e. BP may install a BGT according to Subparagraph (b) of Paragraph 4 of Subsection I of 19.15.17.11 NMAC by installing double walled/double bottom steel tanks with a 2 inch leak detection port (see simplistic schematic bottom of page 2). The leak detection will be monitored according to BP's NMOCD approved Operating and Maintenance Plan for BGTs.
 - f. BP may install a BGT according to Subparagraph (c) of Paragraph 4 of Subsection I of 19.15.17.11 NMAC. (see simplistic schematic bottom of page 3). This alternative design is simply a tank in a tank in which either Paragraph d or e of this document addresses the requirements for the prevention of contaminating fresh water, the protection of public health, and the environment.
- BP's BGTs constructed and installed prior to June 16, 2008 that have the side walls open for visual inspection and are placed upon a geomembrane liner but does not meet all the requirements in Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC are not required to equip or retrofit the BGT to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC so long as the BGT demonstrates integrity. If the existing BGT does not demonstrate integrity, then BP will promptly remove the BGT and retrofit to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
- BP's BGTs constructed and installed prior to June 16, 2008 that do not comply with Paragraph (1) through (4) of Subsection I of 19.15.17.11 NMAC or do not comply with Paragraph (5) of Subsection I of 19.15.17.11 NMAC will equip or retrofit the BGT to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, or close it according to BP's NMOCD approved closure plan, within five (5) years after June 16, 2008. If existing BGTs do not demonstrate integrity, BP will promptly remove the BGT and retrofit to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.

BP AMERICA PRODUCTION COMPANY

SAN JUAN BASIN, NORTHWEST NEW MEXICO

BELOW-GRADE TANK CLOSURE PLAN

As stipulated in Rule 19.15.17.13 NMAC, the following information adheres to the requirements established in closing below-grade tanks (BGTs) on BP America Production Company (BP) well sites. This plan will address the standard protocols and procedures for closure of BGTs. If deviations from this plan are necessary, any specific changes will be included with New Mexico Oil Conservation Division (NMOCD) form C-144.

BP shall close its BGTs within the time periods provided in 19.15.13 NMAC, or by an earlier date that the NMOCD requires due to imminent danger to fresh water, public heath or the environment. BP shall close its existing BGTs that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five (5) years after June 16, 2008, if not retrofitted to comply with Paragraph (1) through (4) of Subsection I of 19.15.17.11 NMAC. BP shall close its permitted BGTs within 60 days of cessation of the BGTs operation or as required by the transitional provisions of Subsection B, D, or E of 19.15.17.17 NMAC in accordance with this closure plan after receiving NMOCD's division District III office approval.

The following outline addresses all requirements for closure of BP's BGTs;

- 1. BP shall notify the surface owner by certified mail, return receipt requested, that it plans to close a BGT. Evidence of mailing of the notice to the address of the surface owner shown in the county tax records is understood to demonstrate compliance with this requirement.
- 2. In addition, notification will also be given to the division District III office verbally or by other means at least 72 hours, but not more than one (1) week, prior to any closure operation. The notice shall include the well name and number to be closed, legal description utilizing unit letter, section, township, range, and API number.
- 3. Remove liquids and sludge from the BGTs prior to implementing a closure method and dispose of the liquids and sludge in a NMOCD's division-approved facility. A list of BP approved disposal facilities are included at the end of this document.
- 4. Remove the BGT and dispose of it in a NMOCD's division-approved facility or recycle, reuse, or reclaim it in a manner that the NMOCD's division District III office approves.
- 5. Remove any on-site equipment associated with a BGT unless the equipment is required for some other purpose.
- 6. BP will test the soils beneath the BGTs to determine whether a release has occurred. At a minimum, a five (5) point composite sample and individual grab samples from any area that is wet, discolored or showing other evidence of a release will be analyzed for BTEX, TPH and chlorides. The testing methods and closure standards for those constituents are as follows;

Constituents	Testing Method	Closure Standards	
	THE	(mg/Kg)	
Benzene	US EPA Method SW-846 8021B or 8260B	0.2	
Total BTEX	US EPA Method SW-846 8021B or 8260B	50	
TPH	US EPA Method SW-846 418.1	100	
Chlorides	US EPA Method 300.0	250 or background	

Notes:

mg/Kg = milligram per kilogram, BTEX = benzene, toluene, ethylbenzene, and total xylenes, TPH = total petroleum hydrocarbons. Other EPA method that the division approves may be applied to all constituents listed. Chloride closure standards will be determined by which ever concentration level is greatest.

- 7. BP will notify the division District III office of its results on form C-141. It is understood that the NMOCD may require additional delineation upon review of the results.
- 8. If it is determined that a release has occurred, then BP will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

- 9. If the confirmation sampling demonstrates that a release has not occurred or that any release does not exceed the concentrations specified above, then BP will backfill the excavation, with NMOCD's preapproval, with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site. The NMOCD prescribed soil cover, recontouring and re-vegetation requirements shall comply with Subsections G, H and I of 19.15.17.13 NMAC.
- 10. Reclamation will follow 19.15.17.13G (1) and (2).
 - a. Once the BGT has been approved for closure by NMOCD, the BGT location and all areas associated with the BGT including associated access roads will be reclaimed to a safe and stable condition that blends with the surrounding undisturbed area. It is understood that BP shall substantially restore the impacted surface area to the condition that existed prior to oil and gas operations by placement of the soil cover as provided in Subsection H of 19.15.17.13 NMAC, recontour the location and associated areas to a contour that approximates the original contour and blends with the surrounding topography and re-vegetate according to Subsection I of 19.15.17.13 NMAC.
- 11. Soil cover will follow 19.15.17.13H (1) and (3).
 - a. The soil cover for closures where the BGT has been removed or remediated to the NMOCD's satisfaction shall consist of the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.
 - b. The soil cover will be constructed to the site's existing grade and all possible efforts will be conducted to prevent ponding of water and erosion of the cover material.
- 12. Revegetation will follow 19.15.17.13I (1), (2), (3), (4) and (5).
 - a. Revegetation of the pit location and any associated access road(s) will be attempted during the first growing season after closure of the pit with seeding or planting of the disturbed areas. Seeding will be accomplished by tilling/plowing on the contour whenever practical or by other division-approved methods. Vegetative cover will be, at a minimum, 70% of the native perennial vegetative cover (un-impacted by overgrazing, fire or other intrusion damaging to native vegetation), consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintenance of that cover through two successive growing seasons. During the two growing seasons that prove viability, there shall be no artificial irrigation of the vegetation.
 - b. Seeding or planting will be repeated until it successfully achieves the required vegetative cover.
 - c. When conditions are not favorable for the establishment of vegetation, such as periods of drought, it is understood that the division may allow sufficient time to delay seeding or planting until soil moisture conditions become favorable. In addition, the division may require BP to use additional cultural techniques such as mulching, fertilizing, irrigating, fencing or other practices.
 - d. Notification will be given to the division District III office when seeding or planting has been successfully achieved.
- 13. Within 60 days of closure completion, submittal of a closure report on NMOCD's form C-144, with necessary attachments to document all closure activities including sampling results; information required by 19.15.17 NMAC; a plot plan; details on back-filling, capping, and covering, where applicable. BP will certify that all information in the report and attachments is accurate, truthful, and compliant with all applicable closure requirements and conditions specified in the approved closure plan.

Proposed waste disposal sites:

BP Crouch Mesa Landfarm, Permit NM-02-003

JFJ Landfarm, Permit NM-01-010(B)

Basin Disposal, Permit NM-01-0005

BP Operated E.E. Elliott SWD #1, API 30-045-27799

BP Operated 13 GCU SWD #1, API 30-045-28601

BP Operated GCU 259 SWD, API 30-045-20006

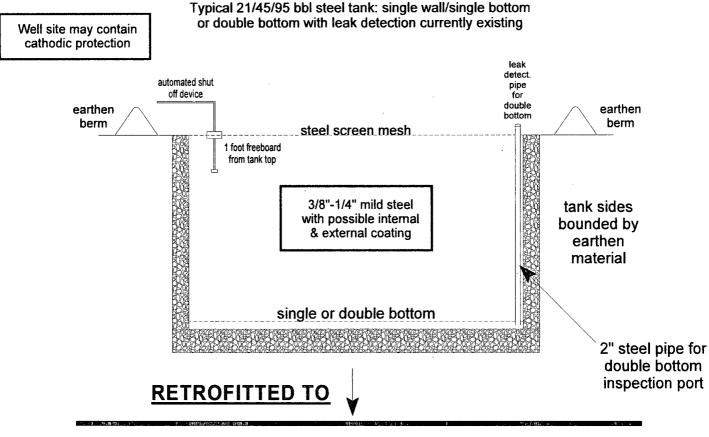
BP Operated GCU 306 SWD, API 30-045-24286

BP Operated GCU 307 SWD, API 30-045-24248

BP Operated GCU 328 SWD, API 30-045-24735

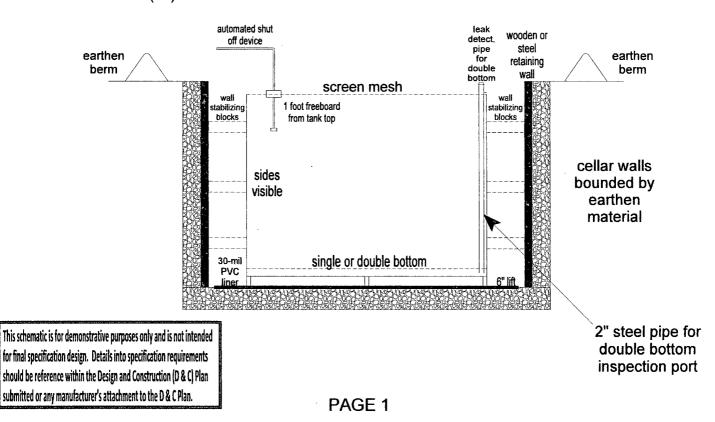
BP Operated Pritchard SWD #1, API 30-045-28351

SIMPLISTIC SCHEMATIC OF A MODIFICATION TO AN EXISTING BELOW-GRADE TANK

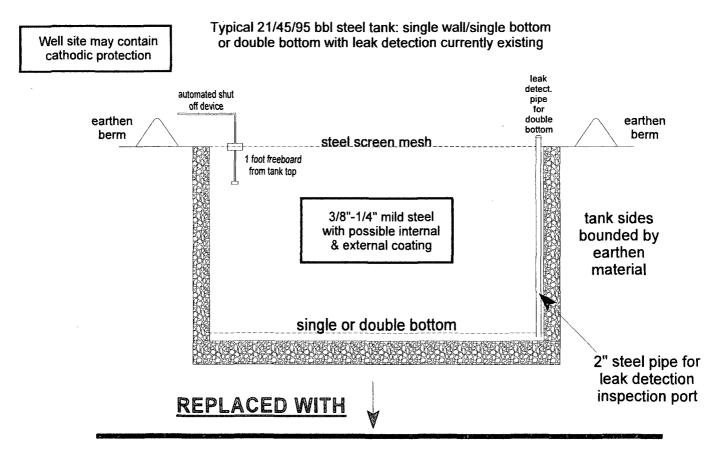


21/45/95 bbl steel tank: single wall/single bottom or double bottom with leak detection/visible sides / 6" lift / 30-mil PVC liner

Rule 19.15.17.11 I(4a)

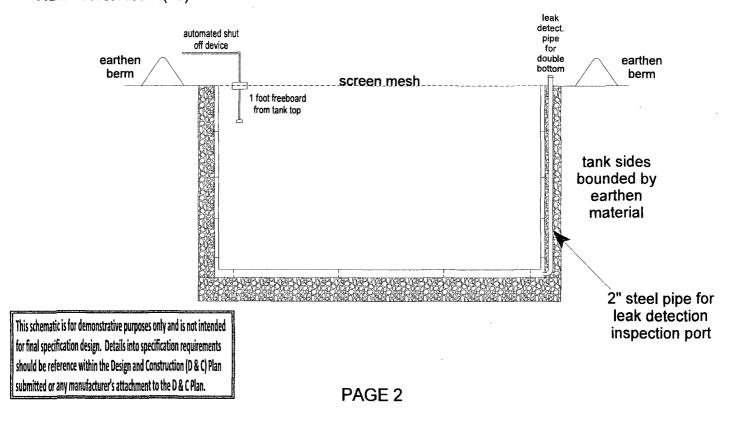


SIMPLISTIC SCHEMATIC OF A MODIFICATION TO AN EXISTING BELOW-GRADE TANK

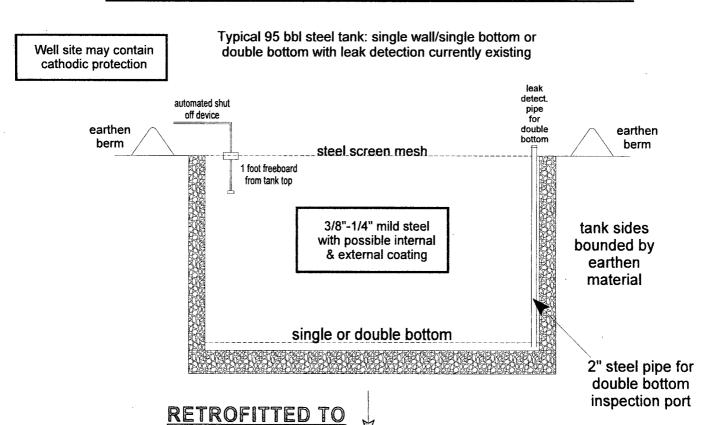


21/45/95 bbl steel tank: double wall/double bottom with single or double port leak detection

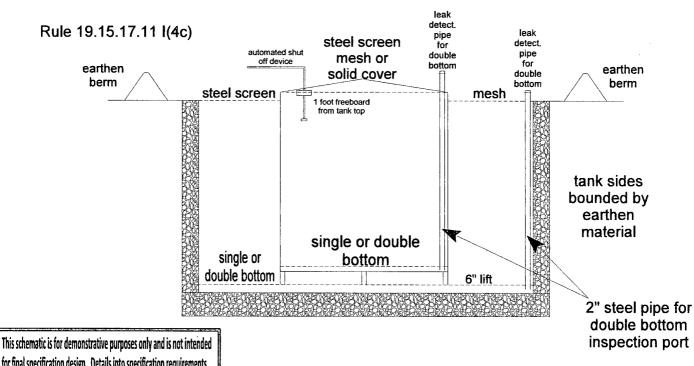
Rule 19.15.17.11 I(4b)



SIMPLISTIC SCHEMATIC OF A MODIFICATION TO AN EXISTING BELOW-GRADE TANK



21/45/50 bbl steel tank: single wall/single bottom or double bottom with leak detection inserted into 95 bbl steel tank: single wall/single bottom or double bottom with leak detection/6" lift



for final specification design. Details into specification requirements should be reference within the Design and Construction (D & C) Plan submitted or any manufacturer's attachment to the D & C Plan.

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