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

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.

0	14.	(
7	//.	

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

Proposed Alternative Method Permit or Closure Plan Application	
Type of action: 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 Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request	
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.	_
Operator:WILLIAMS PRODUCTION COMPANY, LLC OGRID #:120782	
Address: PO Box 640 Aztec, NM 87410	
Facility or well name: ROSA UNIT #009B	
API Number: 3003927042 OCD Permit Number:	
Section 11E Township 31N Range 06W County RIO ARRIBA	
Latitude: 36.917650000000002 Longitude 107.43932 NAD: 1983 Surface Owner: FEDERAL	
Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Lined □ Unlined Liner type: Thickness mil □ LLDPE □ HDPE □ PVC □ Other □ String-Reinforced Liner Seams: □ Welded □ Factory □ Other	
3.	Ī
☐ 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 Other	
Secondary containment with leak detection Visible sidewalls only Other	7
Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: bbl Type of fluid: PRODUCED WATER OIL CONS. DIV. DIST. 3	
Tank Construction material: FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER	
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off	
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other	
Liner type: Thickness mil	
s. Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	

6. 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	
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. <u>Signs</u> : 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	
9.	
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:	07 0
Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau consideration of approval.	office for
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
10. 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 appro-	
office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a	pproval.
Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Sitting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	ing pads or
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.	☐ Yes ☐ No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□ 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.	☐ Yes ☐ No
- Written confirmation or verification from the municipality; Written approval obtained from the municipality	
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 FEMA map	☐ Yes ☐ No

Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Instructions: Each of the following items must be attached to the application. Please indicate, by a checattached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subset Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) Siting Criteria Compliance Demonstrations - 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 (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or	eck mark in the box, that the documents are ection B of 19.15.17.9 NMAC 2) of Subsection B of 19.15.17.9 NMAC 3 NMAC irements of Subsection C of 19.15.17.9 NMAC
12.	
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 checattached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragricus Siting Criteria Compliance Demonstrations (only for on-site closure) - 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 19.15.17.13 NMAC	raph (3) of Subsection B of 19.15.17.9 equirements of 19.15.17.10 NMAC
Previously Approved Design (attach copy of design) API Number:	
Previously Approved Operating and Maintenance Plan API Number:	(Applies only to closed-loop system that use
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 cheatached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.1 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 Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19 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 19.15.17.1 Nuisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and	9 NMAC 0 NMAC C 17.11 NMAC 15.17.11 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure:	·
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-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 Formation Control of the Santa Formation C	;)
15. Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of 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 □ 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 □ 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	n F of 19.15.17.13 NMAC tion H of 19.15.17.13 NMAC

16. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground		
Instructions: Please indentify the facility or facilities for the disposal of liquids, facilities are required.	drilling fluids and drill cuttings. Use attachment if n	nore than two
Disposal Facility Name:	Disposal Facility Permit Number:	
Disposal Facility Name:	Disposal Facility Permit Number:	
Will any of the proposed closed-loop system operations and associated activities o Yes (If yes, please provide the information below) No		vice and operations?
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	e requirements of Subsection H of 19.15.17.13 NMA(a L of 19.15.17.13 NMAC	0
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each sitting criteria requires a demonstration of compliance in the provided below. Requests regarding changes to certain sitting criteria may required 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	ire administrative approval from the appropriate dist Il Bureau office for consideration of approval. Justi	trict 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; Database search;	ta 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; Database search;	a 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; Database search;	ta obtained from nearby wells	☐ Yes ☐ No ☑ NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig- lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	inificant watercourse or lakebed, sinkhole, or playa	☐ Yes ⊠ No
Within 300 feet from a permanent residence, school, hospital, institution, or churcl - Visual inspection (certification) of the proposed site; Aerial photo; Satellit		☐ Yes ☑ No
Within 500 horizontal feet of a private, domestic fresh water well or spring that les watering purposes, or within 1000 horizontal feet of any other fresh water well or - NM Office of the State Engineer - iWATERS database; Visual inspection	spring, in existence at the time of initial application.	☐ Yes ⊠ No
Within incorporated municipal boundaries or within a defined municipal fresh wat adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approx	·	☐ Yes ☒ No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visu	al 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-Minin	g and Mineral Division	☐ Yes ⊠ No
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map 	y & Mineral Resources; USGS; NM Geological	☐ Yes ⊠ No
Within a 100-year floodplain FEMA map		☐ Yes ⊠ No
18. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the a Construction/Design Plan of Temporary Pit (for in-place burial of a drying protocols and Procedures - based upon the appropriate requirements of 19.1 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	quirements of 19.15.17.10 NMAC f Subsection F of 19.15.17.13 NMAC ppropriate requirements of 19.15.17.11 NMAC pad) - based upon the appropriate requirements of 19. 5.17.13 NMAC quirements of Subsection F of 19.15.17.13 NMAC f Subsection F of 19.15.17.13 NMAC drill cuttings or in case on-site closure standards cannot H of 19.15.17.13 NMAC 1 of 19.15.17.13 NMAC	15.17.11 NMAC

Operator Application Certification: I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Title:
Signature:Date:
e-mail address: Telephone:
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: 2/2/20 Title: OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 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: 4/30/10 Disposal Facility Name: S.J. Regional Landfill, NMED Permit SWM-052426
Z cloud completion batel 150/10 Disposit Facility Family F
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 Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name: Disposal Facility Permit Number:
Disposal Facility Name: Disposal Facility Permit Number:
Were the closed-loop system operations and associated activities performed on or in areas that <i>will not</i> be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) \sum No
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. <u>Closure Report Attachment Checklist</u> : <u>Instructions</u> : 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) 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: Latitude
□ 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: Latitude Longitude NAD: □1927 □ 1983 25.
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: Latitude
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: Latitude Longitude NAD: 1927 1983 25. Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and
□ 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: Latitude



Exploration & Production PO Box 640
Azicc NM 81137
505/634 4219
505/634 4214 Fax

March 10, 2009

Mr. Mark Kelly Bureau of Land Management Farmington Field Office 1235 La Plata Hwy. Farmington, NM 87401

Sent via Certified Mail

RE Notification of Production Pit Closure
Rule 19 15 17 13 NMAC
Production Pits associated Natural Gas Devolu-

Production Pits associated Natural Gas Development Operated by Williams Production Co, LLC

Pursuant to Rule 19.15.17 13 NMAC, this correspondence is to notify the Bureau of Land Management, Farmington Field Office, of Williams Production LLC's (Williams') intent to clean close all production pits on the attached list of wells operated with the District in San Juan County and Rio Arriba County. New Mexico Closure will follow the plan included with this correspondence

Thank you for your consideration. If there are any questions or additional information is requested, please contact me at (505) 634-4209.

Respectfully submitted

Holly C Perkins EH&S Specialist

Encl Williams Production Pit Inventory List (Federal wells)

San Juan Basin - New Mexico Assets - Below-Grade Tank Closure Plan

cc Environmental File

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Below Grade Tank Removal Closure Plan

th accordance with Rule 19.15.17.13 NMAC the following plan describes the general closure requirements of below grade tanks (BG1) on Williams Production Co. LTC. (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard closure procedure for all BG1s regulated under Rule 19.15.17 NMAC and operated by WPX. For those closures which do not conform to this standard closure plan a separate well/pit specific closure plan will be developed and utilized.

Closure Conditions and Timing:

Poisuant to 19.15.17.13 (A) NMAC WPX will initiate closure of any BG1 should any one of these conditions occur.

- The Division requires closure because of imminent danger to tresh water, public health or the
 environment
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be schedule as specified in 19.15.17.12 (A)(5) NMAC.
- WPX chooses to take the BG1 out of service due to operational needs. Closure under these conditions will be closed within 60 days of cessation of the BGT's operation
- BGIs installed prior to June 16, 2008 that do not meet the requirements under 19.15.17.11.1(6).
 NMAC, and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

- Prior to initiating any BGT Closure except in the case of an emergency, WFX will review County Tax Records for the current surface owner of record. The surface owner of record will be notified of the intent to close the BGT by certified mail and a copy of this notification will be included in the closure report. In the case of an emergency, the surface owner of record will be notified as soon as practical.
- 2 Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following.
 - a Operators Name (WPX)
 - b. Well Name and API Number
 - Location (USTR)
- 3 All piping will be rerouted to an alternative produced water storage/disposal location (e.g surface tanks, temporary frac tank ...) The well will be temporarily shut in until the rerouting is completed.
- All produced water will be removed from the BG1 following discharge-pipe rerouting Produced water will be disposed at one of the following NMOCD approved facilities depending on the proximity of the BG1 site: Rosa Unit SWD #1 (Order: SWD-916, API, 30-039-27055). Rosa Unit #94 (Order: SWD-3RP-1003-0, API; 30-039-23035), Jillson Fed. SWD #001 (Order: R10168/R10168A API, 30-039-25465). Middle Mesa SWD #001 (Order: SWD 350 0) API 30-045-27004) and/or Basin Disposal (Permit: NM-01-0005)
- Solids and sludges will be shoveled and for vacuumed out for disposal at Envirotech (Permit Number NM-01-001)
- Who will obtain prior approval from NMOCD to also use recycle reuse or rectain the BCT and provide documentation of the disposition of the BCT in the closure report. Stee materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cur up or shielded, and EPA cleaned for disposal as solio waste. Tiner materials will

be cleaned without soils or contaminated material for disposal as solid waste. Liberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D of 19.15.9.712. NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMED Permit SWM 052426.

- Any equipment associated with the BGT that is no longer required for some other purpose following the closure will be removed from the location.
- 1 Following removal of the tank and any liner material, a five point composite sample will be taken of the excavation and fested per 19.15.17.13(F)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C. 141.

Table 1: Closure Criteria for BGIs

	Components	Testing Methods	Ľ.	Closure Limits (mg/Kg)	-
Ì	Benzene	EPA SW-846 Method 8021B or 8260B		0.2	
	BIEX	EPA SW-846 Method 8021B or 8260B		50	
	1PH	EPA SW-846 Method 418.111)		100	-
	Chlorides	EPA SW 846 Method 300.111]	250(2)	1

- Method modified for solid waste
- \sim If background concentration of Chloriaes greater than 250 mg/kg, then higher concentration will be used for closure.
- 9 If the Division and/or WPX determine there is a release WPX will comply with 19 15.3.116 NMAC and 19 15.1.19 NMAC
- 10. Upon completion of the tank removal, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot of top soil or background thickness whichever is greater and to existing grade. The surface will be recontoured to match the native grade and prevent ponding.
- For those portions of the former pit area no longer required for production activities. WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un impacted) consisting of at least three native plant species, including at least one grass but not including naxious weeds and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note—If a surface owner agreement requires reseeding or other surface restoration that do not meet re-vegetation requirements of 19.15.17.13.1 NMAC then WPX will submit the proposed alternative with written documentation that the surface owner agrees to the alternative, for Division approval.
- 12 For those portions of the former pit area required for production activities reseeding will be done at well abandonment, and following the procedure noted above

Closure Report:

All closure activities will include proper accumentation and will be submitted to OCD within 60 days of the BG1 closure on a Closure keroort using Division Form C-144. The Report will include the following:

- Froof of Closure Horice in Buck Cowner 1 NMOCE
- Backfilling & Cover installar
- Site Diogram with a potomore.
- Available Inspection report

- Confiniation Sampling Analysis of Fertility
- Disposal facility (same (s) and i either temper(s))
- Application kate & Seeang technique
- Photo Documentation of kecianiano.

WELLS w/FEDERAL SURF MGT	API	FM1	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
COX CANYON UNIT #001	3004511397	BLANCO MV	16N	32N	1 1 VV	BGT	DBL WALL STEEL FIBERGLASS TANK WBANDED 20-mil
COX CANYON UNIT #001A	3004522086	BLANCO MV	16C	32N	11W	BG1	LIDPE SECONDARY LINER
COX CANYON UNIT #001B	3004530791	BLANCO MV	161	32N	11W	BG1	FIBERGLASS TANK W/BANDED 20 mil HDPE SECONDARY LINER
	3004300707		101	OZIT		50.	The first of the f
COX CANYON UNIT #001C	3004532023	BLANCO MV	16E	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
COX CANYON UNIT #003	3004511495	BL ANCO MV	. 9(32N	11VV	BG1	HDPE SECONDARY LINER
COX CANYON UNIT #003A	3004522088	BLANCO MV	9P	32N	11Vv	BG1	DBI WALL STEEL
COX CANYON UNIT #003B	3004530871	BI ANCO MV	9,1	32N	11W	BG1	DBI. WALL STEEL
COX CANYON UNIT #004	3004511368	BLANCO MV	21A	32N	11W	BGT	DBI. WALL STEEL
COX CANYON UNIT #004A	3004522093	BI ANCO MV	21P	32N	11W	BG1	DBL WALL STEEL
COV CARIVORI HART WOOD		DI ANCO MI		0.04.1	4.414.	501	·
COX CANYON UNIT #004B	3004532186	BLANCO MV	21f	32N	11W	BG1	DBI WALI STEEL
COX CANYON UNIT #005	3004511326	BI ANCO MV	21K	32N	11W	BGI	DBI. WALL STEEL
COX CANYON UNIT #005A	3004522094	BLANCO MV	21D	32N	11W	BG1	DBI WALL STEEL
COX CANYON UNIT #005B	200452242	BASIN DK / BLANCO MV	21N	2011	11W	BG1	DDI WALL CICE
COX CAINTON DIVIT #000B	3004532142	BLANCO WV	2111	32N	1100	561	DBL WALL STEEL
COX CANYON UNIT #005C	3004533493	BLANCO MV	21F	32N	11W	BG1	DBI, WALL STEEL
COX CANYON UNIT #006	3004511463	BLANCO MV	16A	32N	11W	BG1	DBI WALL STEEL
COX CANYON UNIT #006A	3004522095	BLANCO MV	161	3214	11W	BG1	DBI WALL STEEL
							-K
COX CANYON UNIT #006B	3004532693	BI ANCO MV	16B	32N	1 1 VV	BGT	DBL WALL STEEL
COX CANYON UNIT #006C	3004532733	BLANCO MV	160	32N	11W	BGI	DBI WALI STEE!
COX CANYON UNIT #007	3004511455	BLANCO MV	17G	32N	11W	FGP	DBI WALL STEEL
							;
OX CANYON UNIT #007A	3004522091	BLANCO MV	170	32N	11W	BG1	DBL WALL STEEL
OX CANYON UNIT #007C	3004533018	BASIN DK	17K	32N	11W	BGT	DBL WALL STEEL
:OX CANYON UNIT #008	3004511492	BLANCO MV	81	32N	11W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
OV (*ANIVONE THAIL 4000 A	2004500000	DI ANCO M	1711	2011	, 4167	DC1	EDI MALL CIETI
OX CANYON UNIT #008A	3004522096	BLANCO MV	17H	32N	11W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OX CANYON UNIT #008B	3004532080	BLANCO MV	8P	32N	11W	BG1	HDPE SECONDARY LINER
OX CANYON UNIT #008C	3004531187	BLANCO MV	17P	32N	11W	BG1	FIBERGLASS TANK w/BANDED 20-mil HDPE SECONDARY LINER
OX CANYON UNIT #009A							FIBERGLASS TANK w/BANDED 20-mil
OM OX CANYON UNIT #009B	3004522092	BLANCO MV BASIN DK /	20D	32N	11W	BGT	HDPE SECONDARY LINER
MC	3004533926	BLANCO MV	20B	32N	11W	BG1	DBL WALL STEEL
OX CANYON UNIT #009C	3003933851	BASIN DK / BLANCO MV	20F	32N	11W	BG1	DBL WALL STEEL
	200000000		201	OZIX		201	FIBERGLASS TANK w/BANDED 20-mil
OX CANYON UNIT #013	3004521489	BLANCO PC	20A	32N	11W	BGT	HDPE SECONDARY LINER

.

WELLS W/FEDERAL SURF MGT	API	FMT	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
COX CANYON UNIT #023							FIBERGLASS TANK W/BANDED 20-mil
COM	3004522537	BLANCO PC	17 C	32N	11W	BG1	HDPE SECONDARY LINER
OCSNI	5004022001	Birrioori	1777		1177	001	FIBERGLASS TANK W/BANDED 20-mil
CON CANNAMI HAUT HOOF	20011000070	DI ANCASS	00	2011	4 4 1 0 /	DO.	HDPE SECONDARY LINER
COX CANYON UNIT #025	3004522572	BLANCOPL	90	32N	111/	BGT	
							FIBERGLASS TANK W/BANDED 20-mil
COX CANYON UNIT #200	3004527878	BASIN F1C	કા	32N	11W	BGI	HDPE SECONDARY LINER
							FIBERGLASS TANK w/BANDED 20-mil
COX CANYON UNIT #200A	3004532126	BASIN FTC	90	32N	11W	BGI	HDPE SECONDARY LINER
							FIBERGLASS TANK w/BANDED 20-mil
COX CANYON UNIT #203	3004527872	BASIN FIC	17A	32N	11W	BG1	HDPE SECONDARY LINER
COX CARTON ONLY #203	3004327072	DAGINTIC	1175	3219	1100	ВОТ	TIDI E SECONDANT LINEN
MADDOX #001	3004511487	BLANCO MV	10N	32N	11W	BG7	DBI WALL STEEL
MADDOX #001A	3004523539	BLANCO MV	10P	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #001	3004511309	BLANCO MV	200	32N	11W	BGT	DBL WALL STEEL
118001	3004311303	BASIN DK /	200	3214	1177	DOT	DDL WALL STEEL
NM 32-11 #001B COM	3004532024	BLANCO MV	203	32N	11W	BGT	DBL WALL STEEL
		BASIN DK /					
NM 32-11 #001C COM	3004532804	BLANCO MV	201	32N	11W	BG1	DBL WALL STEEL
							FIBERGLASS TANK W/BANDED 20-mil
NM 32-11 #002 COM	3004511380	BLANCO MV	19A	32N	11W	BGT	HDPE SECONDARY LINER
17 W 02 17 W 002 COM	3004311300	DLANCE INV	1.57 \	JZIV	1144	БО,	THE CEOCHE WITTHEN
NUL 20 44 (2000 A OCH 4		51 41100 101	400	2011		507	A.D. MAN LOTETA
NM 32-11 #002A COM	3004529017	BLANCO MV	190	32N	11W	BG1	DBL WALL STEEL
NM 32-11 #002B COM	3004532670	BLANCO MV	191	32N	11W	BGT	DBL WALL STEEL
NM 32-11 #002C COM	3004533077	BLANCO MV	19G	32N	11W	BG1	DBL WALL STEEL
02 , 00 0	9001000011			OLIT		201	DE WALL OFFEE
TARE LIMIT HODA CAME	0000007055	CIVIE	0.01	0.481	0.0167	DC.I	DOLINAL OTCO
ROSA UNIT #001 SWD	3003927055	SWD	231	31N	06W	BGI	DBI. WALL STEEL
		BASIN DK /					FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #001E	3003925411	BLANCO MV	11P	3111	06W	BGT	HDPE SECONDARY LINER
		BLANCO MV .					مين. ميسترنسيد
ROSA UNIT #005A	3003925407	ROSA PC	26P	31N	06W	BG1	DBL WALL STEEL
	0000020101	BASIN DK /					
:OSA UNIT #005B	200202000	BLANCO MV	260	2.11	00101	DC3	CON MALE CITTI
COSA UNIT HOUSE	3003926927	BI ANCO WV	26B	31N	06W	BGT	DBL WALL STEEL
							FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #005Y	3003926078	BI ANCO MV	26H	31N	06W	BG1	HDPE SECONDARY LINER
		BLANCO MV /					FIBERGI ASS TANK w/BANDED 20-mil
OSA UNIT #008	3003907944	ROSA PC	26M	31N	06W	BGT	HDPE SECONDARY LINER
		BLANCO MV /				-	FIBERGLASS TANK w/BANDED 20-mil
300# FINU A2C	3003907944	ROSA PC	26M	31N	06W	BG1	HDPE SECONDARY LINER
SON GIVE WOOD	2003801244		2000	3111	OGVV	501	
		BLANCO MV /					FIBERGLASS TANK w/BANDED 20-mil
A800# 11NU A2C	3003925430	ROSA PC	26D	31N	06W	BG1	HDPE SECONDARY LINER
							FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #008C	3003926944	BLANCO MV	26N	31N	06W	BGT	HDPE SECONDARY LINER
							FIBERGLASS TANK w/BANDED 20-mil
900# TINU ASC	3003907975	BLANCO MV	11K	31N	06W		HDPE SECONDARY LINER
7071 01111 11000	3003301310	BASIN DK /	, ,,,	3111	GOVV	501	TIBLE GEOGRAPHIC EINEN
ADOCOU THUIL ADO							
)SA UNIT #009A	3003925584	BLANCO MV	11C	31N	06W		DBL WALL STEEL
							FIBERGLASS TANK_w/BANDED 20-mil
SA-UNIT#009B	3003927042: -	BLANCO MV	11E .	_31N	_06W	BGŤ -	HDPE-SECONDARY LINER
Company of the control of the contro						_	FIBERGLASS TANK-w/BANDED-20-mil
SA UNIT #010B	3003926556	BLANCO MV	13N	31N	06VV		HDPE SECONDARY LINER
5,7 5,777 115 1765	3000020000	DET HOO WY	1011	5114	OOYY	001	TIDI E DECOMPANT ENTEN
CALIMIT ACCO	20022222	SI ANDO TO	4 (14)	0.411	00111	007	DDI MALL OTES
SA UNIT #010C	3003926918	BLANCO MV	13N	31N	06W	BGT	DBL WALL STEEL
5A UNIT #010C	3003926556	BLANCO MV	13N	31N		BGT	DBL WALL STEEL

WELLS W/FEDERAL							
SURFMGT	API	FM1	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #012A	3003925900	BLANCO MV / ROSA PC	15J	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #012B	3003926555	BASIN DK / BLANCO MV	15P	31N	06VV	BG1	FIBERGLASS TANK WBANDED 20 mil HDPE SECONDARY LINER
ROSA UNIT #012C	3003929486	BI ANCO MV	15A	31N	OGVV	SG1	SINGLE WALL STEEL FIBERGLASS LANK w/BANDED 20 mil
ROSA UNIT #013	3003907936	BLANCO MV	31G	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #013A	3003926298	BLANCO MV BASIN DK /	31F	31N	U5VV	BGI	HDPE SECONDARY LINER
ROSA UNIT #013B COM	3003929834	BLANCO MV	31A	31N	05W	BGT	DBL WALL STEEL. FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #014	3003907958	BI ANCO MV	23B	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #014A	3003926280	BLANCO MV BASIN DK /	23P	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #014C	3003930132	BLANCO MV	23H	31N	06W	BG1	DBI, WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #015	3003907946	BI ANCO MV	2911	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #016	3003907963	BLANCO MV	14N	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #016A	3003925496	BLANCO MV	14C	31N	06W	BGI	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #016B	3003926218	BLANCO MV	14M	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #017A	3003926272	BLANCO MV BASIN DK /	200	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #017B	3003926971	BLANCO MV BLANCO MV /	20J	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #018	3003907960	ROSA PC BLANCO MV /	22H	31N	()6W	BG1	HDPE SECONDARY LINER
ROSA UNIT #018A	3003925436	ROSA PC	22P	31N	06W	SG1	DBI WALL STEEL
OSA UNIT #018B	3003927052	BLANCO MV	220	31N	W80	BG1	DBI WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
910# FINU A2O:	3003907955		24K .			BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
OSA UNIT #019B OSA UNIT #019C	3003926560 3003929625	BLANCO MV	24I 24D	31N 31N	06W	BG1 BGT	DBL WALL STEEL
OSA UNIT #019C	3003929625	BLANCO MV	24D	31N	06W	BG1	DBL WALL STEEL
OSA UNIT #020	3003929025	BLANCO MV	14G	31N	06W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
OSA UNIT #020		BLANCO MV	140	31N	06W	BG1	FIBERGLASS TANK W/BANDED 20-mill HDPE SECONDARY LINER
OSA UNIT #020B	3003925495	BLANCO MV	14A	31N		BG1	DBL WALL STEEL
DSA UNIT #020C	3003926220	BLANCO MV	14A 14J	31N	06W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
DSA UNIT #021A	3003926221	BLANCO MV	23C	31N	06W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
)SA UNIT #021B	3003926554	BLANCO MV	23K	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
)SA UNIT #022	3003907971	BLANCO MV	18A	31N	05//	BGT	HDPE SECONDARY LINER

. .

t

WELLS W/FEDERAL SURF MGT	V UT	FMT	CEC	TIAILI	PHO	PIT TYPE	CONSTRUCTION MATERIAL
SURF MIGT	API	LIAII	SEC	TWN	KNG	PILITE	FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #022A	3003926390	BI ANCO MV	18C	3110	05VV	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20 mil
ROSA UNIT #023	3003907942	BI ANCO MV	29M	31N	()5VV	BG1	HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #023B	3003926553	BLANCO MV BASIN DK /	29F	31N	05Vv	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20 mil
ROSA UNIT #023C	3003927609	BI ANCO MV	291	31N	(15W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #024	3003907933	BLANCO MV	32M	31N	05W	BGT	HDPE SECONDARY LINER
ROSA UNIT #024A	3003925568	BLANCO MV BASIN DK /	32E	31N	05W	SG1	DBL WALL STEEL FIBERGLASS TANK W/BANDED 20 mill
ROSA UNIT #024B	3003926630	BLANCO MV BASIN DK /	32N	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #024C	3003926968	BLANCO MV BASIN DK /	32C	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #026A	3003925580	BI ANCO MV	32O	31N	05W	SG1	DBL WALL STEEL
ROSA UNIT #026B	3003926788	BASIN DK	32G	31N	05W		DBL WALL STEEL FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #029	3004511136	BLANCO MV BASIN DK /	32H	32N	06W		HDPE SECONDARY LINER FIBERGI ASS TANK WBANDED 20-mil
ROSA UNIT #029B	3004530709	BLANCO MV BASIN DK /	32B	32N	06W	BGT	HDPE SECONDARY LINER
ROSA UNII #029M	3004529584	BLANCO MV BASIN DK /	321	32N	06W		DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #030 COM	3003925570	BLANCO MV	120	31N	W90		HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #030A	3003926068	BLANCO MV	12M	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #030B	3003926601	BLANCO MV	12N	31N	06W		HDPE SECONDARY LINER
ROSA UNIT #030C	3003929842	BLANCO MV	12P	31N	W80		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #031	3003926279	BLANCO MV	17C	31N	05W		HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ACCA UNIT #031A	3003926346	BLANCO MV BASIN DK /	171				HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20 mil
ROSA UNIT #031B	3003926579	BLANCO MV	17D	31N	05W		HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #031C	3003926578	BLANCO MV BLANCO MV /	1711	31N	05W		HDPE SECONDARY LINER
OSA UNIT #032	3003925389	ROSA PC BLANCO MV /	21H	31N	06W		DBL WALL STEEL
OSA UNIT #032A	3003925417	ROSA PC BASIN DK /	21F	3110	06W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #032B	3003926771	BLANCO MV BASIN DK /	21G	31N	W30		HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #032C .	3003927240	BLANCO MV	21F	31N	W80		HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
DSA UNIT #034	3003907984	BLANCO MV	36B	32N	06W		HDPE SECONDARY LINER
DSA UNIT #034A	3003926119	BLANCO MV	361	32N	06W		DBL WALL STEEL
)SA UNIT #034A	3003926119	BLANCO MV	361	32N	06W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ISA UNIT #034E	3003926629	BLANCO MV	36J	32N	06W	BGI	HDPE SECONDARY LINER

•

WELLS W/FEDERAL	A DI	FMI	SEC	T 1A/L1	PNC	DIT TVDE	CONSTRUCTION MATERIAL
SURF MG1	API	r IV) I	SEC	TWN	KNG	PIT TYPE	FIBERGLASS TANK W/BANDED 20-nul
ROSA UNIT #034C	3003926969	BLANCO MV	36H	32N	()6VV	BG1	HDPE SECONDARY LINER
ROSA UNIT #035X	3004510996	BI ANCO MV	5K	31N	06\/\	BG1	DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #036	3003907977	BLANCO MV	1111	31N	OGVV	BG1	HDPE SECONDARY LINER LIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #036C	3003930182	BLANCO MV	11G	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20 mil
ROSA UNIT #041	3003907981	BLANCO MV BASIN DK /	5K	31N	()5VV	BG1	HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #041B	3003927014	BLANCO MV	6P	31N	05 V V	BG1	HDPE SECONDARY LINER
ROSA UNIT #044	3003925873	BI ANCO MV	35K	32N	06W	BG1	DBI WALL STEEL
ROSA UNIT #044A	3003926161	BI ANCO MV	35E	32N	06W	SG1	SINGLE WALL STEEL
ROSA UNIT #044A	3003926161	BLANCO MV	35E	32N	06W	SGI	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #044B	3003926685	BI ANCO MV	35C	32N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #045	3003923013	BLANCO MV BASIN DK /	9M	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNII #046A	3003926986	BI ANCO MV	80	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #051	3003920289	BASIN DK	23C	31N	06W	BG7	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #053	3003920293	BASIN DK	8B	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #055	3003920923	BASIN DK	341	31N	()5VV	BG1	HDPE SECONDARY LINER
ROSA UNIT #059 DK	3003923270	BASIN DK	25N	31N	06W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #059 GI	3003923270	UNDES GI	25N	31N	W6(V)	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #060	3004529798	BLANCO MV	41	31N	06VV	BG1	HDPE SECONDARY LINER
ROSA UNIT #064	3003921703	BASIN DK	29A	31N	05W	BGT	DBI WALL STEEL
ROSA UNIT #064	3003921703	BASIN DK BASIN DK /	29A	31N	05W	SGI	DBI WALL STEEL
ROSA UNIT #064M	3003925563	BLANCO MV	29F	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
IOSA UNIT #065	3003921702	BASIN DK	17A	31N	()5W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-nul
OSA UNIT #066	3003921758	BASIN DK BASIN DK /	13L	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #066M	3003925747	BLANCO MV	13F	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #072	3003925509	BLANCO,MV	61	31N	05VV	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #072A	3003925795	BL ANCÔ MV	6K	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #075	3004529895	BLANCO MV	10l	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #075A	3004529854	BLANCO MV DK/UNDES	40	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
)SA UNII #07 [†]	3003922538	GL/BLANCO	33L	31N	05W		HDPE SECONDARY LINER

•

WELLS W/FEDERAL SURF MGT	API	FMT	SEC	TWN	PNC	PIT TYPE	CONSTRUCTION MATERIAL
DUNI MOT	AFI	BASIN DK /	JEC	1 VVIV	KNU	rii i i i i i i	CONSTRUCTION WATERIAL
ROSA UNIT #079	3003922539	BLANCO MV BASIN DK /	22K	31N	06W	BG1	DBI WALL STEEL
ROSA UNII #079	3003922539	BLANCO MV BLANCO MV /	22K	31N	06W	SG1	DBL WALL STEEL
ROSA UNIT #079A	3003925412	ROSA PC BASIN DK /	22F	31N	06W	BG1	DBI WALI STEFI
ROSA UNI1 #079B	3003926920	BLANCO MV	22C	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #079C	3003929902	BLANCO MV BASIN DK /	31P	31N	05W	BG1	DBL WALL STEFL FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #080	3003922537	BLANCO MV	8K	31N	05Vv	BG1	HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #080A	3003926413	BLANCO MV	8f	31N	05W	BG1	HDPE SECONDARY LINER SECONDA
ROSA UNIT #085	3003922778	BASIN DK	20A	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #085	3003922778	BI ANCO MV	20A	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #085A	3003926314	BLANCO MV	20C	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #085B	3003930130	BI ANCO MV	20D	31N	05W	BG1	DBI WALL STEEL
ROSA UNIT #086	3003922766	UNDES GI BLANCO MV /	12W	31N	()4W	SG1	SINGLE WALL STEEL
ROSA UNIT #088	3004525140	ROSA PC	8F	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK WBANDED 20 mil
ROSA UNIT #089	3003922782	BLANCO MV	34A	32N	06VV	BG1	HDPE SECONDARY: INER FIBERGLASS TANK w/BANDED 20-mil
APBU# FINU AZOS	3003925512	BLANCO MV	34()	32N	06Vv	BG1	HDPE SECONDARY LINER
!OSA UNIT #089B	3003926851	BLANCO MV	341	32N	06W	BGI	DBI WALI STEEL
OSA UNIT #089C	3003926674	BLANCO MV	34G	32N	067/	SG1	SINGLE WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #090 COM	3004525370	BI ANCO MV	33G	32N	06W	BG1	HDPE SECONDARY LINER
OSA UNIT #090A COM	3004529259	BLANCO MV	33G	32N	06\V	BG1	DBL WALE STEEL FIBERGLASS TANK w/BANDED 20-mil
JSA UNIT #091	3003922780	BLANCO MV	35H	32N	06W	BGT	HDPE SECONDARY LINER
A 190# TINU A 2C	3003925790	BLANCO MV -	35O	32N	06W	SG1	DBL WALL STEEL
OSA UNIT #091B	3003926684	BLANCO MV	35P	32N	W90	BGT	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #091C	3003926991	BLANCO MV	35G	32N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mill
890# TINU A20	3003923265	BASIN DK / GI BASIN DK /	231.	31N	06W	BG1	HDPE SECONDARY LINER
SA UNIT #100B	3003929547	BLANCO MV	210	31N	06W	BGT	DBL WALL STEEL
SA UNIT #100C	3003929851	BLANCO MV BLANCO MV /	21K	31N	06W	BGT	DBL WALL STEEL
SA UNIT #100E	3003925135	ROSA PC	211	31N	06W	SG1	SINGLE WALL STEEL
SA UNIT #101M	3003925577	BLANCO MV	24F	31N	06W	BGT	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
SA UNIT #10E	3003923506	BASIN DK / GL	7G	31N	05W	BGT	HDPE SECONDARY LINER

.

,

WELLS W/FEDERAL SURF MGT	API	FM7	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
							a pagama an transferencia de la compansa de la com
ROSA UNII #119	3003925143	BASIN DK	18N	31N	05W	BG1	DBL WALL STEEL FIBERGLASS TANK WBANDED 20 mil
ROSA UNIT #125	3003925144	BLANCO MV	13B	31W	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #1250	3003929843	BLANCO MV BASIN DK /	13G	31N	06W	BG1	DRI WALL STEEL FIBERGLASS TANK W/BANDED 20 mil
ROSA UNIT #125E .	3003925526	BLANCO MV	13J	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #129	3003926304	BLANCO MV	34E	32N	06W	BG1	DBI WALL STEEL
ROSA UNIT #129A	3003926297	BLANCO MV	34K	32N	06W	BGT	DBL WALL STEFL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #137	3003925410	BLANCO MV BLANCO MV /	31K	31N	()5W	BG1	HDPE SECONDARY LINER
ROSA UNIT #137A	3003926129	ROSA PC	311	31N	05W	BG1	DBI WALL STEEL FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #137B	3003927002	BLANCO MV BLANCO MV /	31P	31N	05W	BG1	HDPE; SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #138	3004529147	ROSA PC	171	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #138A	3004529134	BLANCO MV / ROSA PC	17H	31N	06W	BG1	DBI WALI STEEL
ROSA UNIT #138B	3004532168	BLANCO MV	1714	31N	06VV	BGT	DBI WALI STEEL
ROSA UNIT #139A	3004529600	BLANCO MV	17M	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #14()	3003925435	ROSA PC	22K	31N	06W	BGI	DBL WALL STEEL
ROSA UNIT #144	3003925421	ROSA PC	26A	31N	06W	BG1	DBI WALL STEEL
ROSA UNIT #145C	3004533086	BLANCO MV	16F	31N	06W	BGT	DBL WALL STEEL
ROSA UNIT #146A	3003925513	BLANCO MV	28N	31N	05W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
ROSA UNIT #146C	3003930187	BI ANCO MV	28B	31N	05W	BG1	DBI WALL STEEL
:OSA UNIT #148	3003925493	BASIN DK	20	31N	06W	BG1	DBI WALI STEEL
OSA UNIT #148A	3003925776	BLANCO MV	2N	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #148B	3003926985	BLANCO MV	2P	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #149	3003925501	BI ANCO MV	12G	31N	06W	BG1	HDPE SECONDARY LINER
OSA UNIT #149A	3003925807	BLANCO MV BASIN DK /	12F	31N	(16W	BG1	DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #149B	3003926599	BLANCO MV	12E	31N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #150	3004529229	BLANCO MV	32F	32N	06W	BGT	HDPE SECONDARY LINER
OSA UNIT #150A	3004529592	BLANCO MV	32M	32N	06W	BG1	DBI WALL STEEL
DSA UNIT #150B	3004530874	BASIN DK / BLANCO MV	32D	32N	06W	BG1	DBL WALL STEEL
OSA UNIT #150C	3004532157	BLANCO MV	32K	32N	06W	BGT	DBL WALL STEEL
DSA UNIT #15.	3004529267	BLANCO MV	33C	32N	0677	BG1	DBL WALL STEEL

•

WELLS W/FEDERAL SURF MGT	API	FMT	SEC	TWN	RNG	РП ТҮРЕ	CONSTRUCTION MATERIAL
ROSA UNIT #151A	3004529631	BLANCO MV	331	32N	06W	BGI	DBL WALL STEEL
ROSA UNIT #151C	3004532196	BI ANCO MV	33N	32N	06Vv	BGI	DBL WALL STEEL
ROSA UNIT #152	3003925494	BI ANCO MV	36E	32N	06W	BG1	FIBERGLASS TANK W/BANDED 20-mil HDPE SECONDARY LINER
ROSA-UNII #152A	3003925695	BI ANCO MV	36N	32N	06W	BG1	DBL WALL STEEL
ROSA UNIT #152B	3003926631	BI ANCO MV	36C	32N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #152C	3003927635	BLANCO MV	361	32N	06W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #153	3003925524	BI ANCO MV	170	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #153A	3003926329	BLANCO MV BASIN DK /	17A	31N	05W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #153B	3003927603	BLANCO MV	171	31N	05W	BG1	HDPE SECONDARY LINER
ROSA UNIT #154	3003925893	BI ANCO MV	7N	31N	05VV	BG1	DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #154A	3003926274	BI ANCO MV	7P	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #156	3004529661	BLANCO MV	9A	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #156A	3004529640	BLANCO MV BASIN DK /	91	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #159 COM	3003925583	BLANCO MV	190	31N	05W		DBL WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #159A	3003926273	BLANCO MV	19N	3111	(15Vv		HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #15C	3003930111	BLANCO MV BLANCO MV	29G	31N	05VV		HDPE SECONDARY LINER
ROSA UNIT #160	3003925890	ROSA PC	25O .	31N	06W	BG1	DBL WALL STEEL
ROSA UNIT #160A	3003925818	BLANCO MV BASIN DK /	25N	31N	U6W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #160B	3003926962			31N	06W		HDPE SECONDARY LINER
ROSA UNIT #160C	3003929778	BLANCO M\'	25J	31N	06W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #162	3003926069	BLANCO MV	30K	31N	05W		HDPE SECONDARY LINER
ROSA UNIT #162B	3003929845	BLANCO MV	30P	31N	05W		DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
:OSA UNIT #163	3003926345	BLANCO MV	24G	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #163A	3003926336	BLANC() MV	240	31N	06W	BG1	HDPE SECONDARY LINER
OSA UNIT #163B	3003929921	BI ANCO MV	24B	31N	06W	SG1	DBL WALL STEEL
OSA UNIT #163C	3003929611	BLANCO MV BASIN DK /	24J	31N	06W		SINGLE WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
APP TIMU ASC	3003926151	BLANCO MV	1J	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
DSA UNIT #164A	3003926080	BLANCO MV BASIN DK /	1.5	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
DSA UNIT #164E .	3003927242	BLANCO MV	1J	31N	06W		HDPE SECONDARY LINER

•

•

WELLS W/FEDERAL SURF MG1	API	FM1	SEC	TWN	pun	PIT TYPE	CONSTRUCTION MATERIAL
SUNT MOT	AFI	BLANCO MV /	- SEC		- NNG	FII III'L	CONSTRUCTION MATERIAL
ROSA UNIT #165	3003926070	ROSA PC	25F	31N	06W	BG1	DBI WALL STEEL FIBERGLASS LANK w/BANDED 20 mil
ROSA UNIT #165A	3003926150	BLANCO MV BASIN DK /	25B	31N	06W	BG1	HDPE SECONDARY LINER
ROSA UNIT #165B	3003926557	BLANCO MV BASIN DK /	25E	31N	0674	BGT	DBI WALI STEEL
ROSA UNIT #165C	3003926961	BI ANCO MV	25G	311	06\/	BG1	DBI WALL STEEL FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #166	3003926275	BLANCO MV	30A	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #166A	3003926282	BLANCO MV	30F	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #167A	3004529886	BLANCO MV	A8	31N	06\/	BG1	HDPE SECONDARY LINER
ROSA UNIT #169	3003926130	BLANCO MV	3J	31N	06W	BG1	DBI WALL STEEL
ROSA ÜNIT #169A	3003926149	BLANCO MV	3.J	31N	06W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #169C	3003927717	BI ANCO MV	21/4	31N	06Vv	BG1	HDPE SECONDARY LINER
ROSA UNIT #170	3003925851	BI ANCO MV	21N	31N	06W	BG1	DBI WALL STEEL -
ROSA UNII #171	3003926286	BLANCO MV	7G	3110	05W	BG1	DBL WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
ROSA UNIT #171A	3003926389	BLANCO MV	7G	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-mil
ROSA UNIT #171B	3003927013	BLANCO MV	6 P	31N	05W	. BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
ROSA UNIT #180	3004529898	BLANCO MV	9N	31N	06W	BGT	HDPE SECONDARY LINER
ROSA UNIT #180B	3004533134	BEANCO MV	91.	3110	06W	BG1	DBL WALL STEEL
ROSA UNIT #180C	3004533191	BI ANCO MV	9E	31N	06₩	BG1	DBI WALL STEEL
181 TINU A2O!	3003926463	BLANCO MV	11K	31N	06W		DBI. WALL STEEL FIBERGLASS TANK WBANDED 20-mil
OSA UNIT #181A OSA UNIT #181C (shared	3003926312	BLANCO MV	15A	31N	06W	BGT	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20 mil
/169C)	3003927714	BLANCO MV	2M	31N	06W		HDPE SECONDARY LINER FIBERGLASS TANK WBANDED 20-nut
OSA UNIT #182	3003926283	BLANCO MV	18N	31N	05W	BG1	HDPE SECONDARY LINER
OSA UNIT #182A	3003926285	BLANCO MV	18P	31N	05W	BG1	DBI. WALL STEEL
OSA UNIT #182C	3003930180	BLANCO MV	18P	31N	05W		SINGLE WALL STEEL FIBERGLASS TANK w/BANDED 20-mil
OSA UNIT #183	3003926387	BLANCO MV	19G	31N	05W	BG1	HDPE SECONDARY LINER FIBERGLASS TANK W/BANDED 20-mil
OSA UNIT #183A	3003926386	BLANCO MV	19F	31N	05W		HDPE SECONDARY LINER
DSA UNIT #183B	3003930087	BLANCO MV	19B	31N	05W	BG1	DBI WALL STEEL
OSA UNIT #185B	3004532734	BASIN DK / BLANCO MV	16F	31N	06W	BG1	DBL WALL STEEL
OSA UNIT #185C	3004534484	BLANCO MV	16F	31N	06W	BGT	DBL WALL STEEL
)SA UNII #18 [[]	3003930186	BLANCO MV	21G	31N	05W	BG1	DBL WALL STEEL

.

WELLS W/FEDERAL SURF MG1	API	FMT	SEC	TWN	RNG	PIT TYPE	CONSTRUCTION MATERIAL
ROSA UNIT #231	3003924444	BASINFIC	31N	31N	05W	SG1	SINGLE WALL STEEL
ROSA UNIT #335A	3003930222	BASIN F1C	05J	31N	05Vv	SG1	SINGLE WALL STEEL

··· :

:

ta" .

•

Meador, Tasha

From:

Lane, Myke

Sent:

Tuesday, April 20, 2010 10:20 AM

To:

Powell, Brandon, EMNRD

Cc:

Meador, Tasha; Basye, Matt

Subject: Notice of Closure - Rosa 9B

Brandon: Williams tentatively plans to initiate closure of the following BGT later this week or next, depending on weather and available resources.

WELLSITE	API	FMT	SEC	TWN	RNG	
Rosa #009B	3003927042	BLANCO MV	11E	31N.	06W	

Please contact me if there are any problems or you request additional information. Thanks for your consideration

Michael K. (Myke) Lane, PE EH&S Team Leader - San Juan Basin Operations 721 S. Main/PO Box 640, Aztec, NM 87410 (505) 634-4219(off); -4205(fax); 330-3198(cell)

[&]quot;The problems we face cannot be resolved at the same level of thinking as that which gave rise to them!"--shared with me by Brent Hale

Fields, Vanessa

From: Meador, Tasha

Sent: Monday, August 16, 2010 2:07 PM

To: Fields, Vanessa

Subject: FW: Request for Review of Closure Plan - Rosa 148B, 30, 9B, and 36B

Tasha Meador

EH&S Coordinator Williams Exploration & Production 721 S Main Aztec, NM

Office: 505-634-4200 Direct:505-634-4241 Fax: 505-634-4205

tasha.meador@williams.com

From: Lane, Myke

Sent: Wednesday, February 24, 2010 3:40 PM

To: Jones, Brad A., EMNRD

Cc: Powell, Brandon, EMNRD; Meador, Tasha; Basye, Matt

Subject: Request for Review of Closure Plan - Rosa 148B, 30, 9B, and 36B

Brad:

We need to take the following below grade tanks out of service, and we would like to close this existing BGTs. We request your review to allow closure.

WELLSITE	API	FMT	SEC	TWN	RNG
Rosa #030	3003925570	BLANCO MV	120	31N	06W
Rosa #148B	3003926985	BLANCO MV	2P	31N	06W
Rosa #009B	3003927042	BLANCO MV	11E	31N	06W
Rosa #036B	3003926600	BLANCO MV	11J	31N	06W
Rosa #009	3003907975	BLANCO MV	11K	31N	06W

Please contact me if there are any problems or you request additional information. Thanks for your consideration

Michael K. (Myke) Lane, PE EH&S Team Leader - San Juan Basin Operations 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

						OPERA	ΓOR	\triangleright	Initi:	al Report		Final Repor
Name of Co	mpany `	WILLIAMS	PRODU	CTION, LLC	- (Contact Vanessa K. Fields						
Address		P.O. BOX 64	40, AZTI	EC, NM 87410	,	Telephone No. (505) 634-4209						
Facility Nan	ne	Rosa Unit #0	009B]	Facility Type Well Site						
Surface Ow	ner Federa	al	···	Mineral C)wner				Lease N	No.		
				LOCA	TION	J OF DEI	FACE					
Unit Letter	Continu	Township	Domas	Feet from the		N OF REI	Feet from the	East/We	at Lina	Country		
Onit Letter	Section	Township	Range	reet from the	North/	South Line	reet from the	East/we	st Line	County		
Е	11	31N	06W			***						
	Latitude _36.9176502 Longitude 107.43932											
	NATURE OF RELEASE											
Type of Relea		ease Detected				Volume of	Release NA			Recovered N		
Source of Re							lour of Occurrenc	e I	Date and	Hour of Dis	covery	NA
Was Immedia	ite Notice (Yes [No 🛛 Not Re	equired	If YES, To NA	Whom?					•
By Whom?						Date and F						
Was a Water	course Read		Yes 🗵] No		If YES, Vo	olume Impacting t	the Watero	ourse.			
NA Describe Are NA I hereby certi	a Affected .		Action Tak	e is true and comp								
public health should their of or the environ	or the envioner the or	ronment. The nave failed to a	acceptance dequately CD accep	nd/or file certain r ce of a C-141 report investigate and r otance of a C-141	ort by the emediate	e NMOCD m e contaminati	arked as "Final Roon that pose a three the operator of i	eport" doe eat to grou responsibi	s not rel and water lity for c	ieve the oper r, surface wat ompliance v	rator of nter, hun vith any	liability man health
Signature:	Du		Lea	Col		A	OIL CONS		<u>TION</u>	DIVISIO	<u>)N</u>	
Printed Name	: Vanessa	Fields				Approved by	District Supervise	or:				
Title: EH&S	Coordinate	or				Approval Date: Expiration Date:			Date:			
E-mail Addre	15-2	sa.fields@will	(505) 634-4209		Conditions of Approval: Attach			Attached				

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Below-Grade Tank Removal Closure Plan

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general closure requirements of below-grade tanks (BGT) on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard closure procedure for all BGTs regulated under Rule 19.15.17 NMAC and operated by WPX. For those closures which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

Closure Conditions and Timing:

Pursuant to 19.15.17.13 (A) NMAC, WPX will initiate closure of any BGT should any one of these conditions occur:

- The Division requires closure because of imminent danger to fresh water, public health or the environment.
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be schedule as specified in 19.15.17.12 (A)(5) NMAC.
- WPX chooses to take the BGT out-of-service due to operational needs. Closure under these conditions will be closed within 60 days of cessation of the BGT's operation.
- BGTs installed prior to June 16, 2008 that do not meet the requirements under 19.15.17.11.1(6) NMAC and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

- Prior to initiating any BGT Closure except in the case of an emergency, WPX will
 review County Tax Records for the current surface owner of record. The surface
 owner of record will be notified of the intent to closure the BGT by certified mail and
 a copy of this notification will be included in the closure report. In the case of an
 emergency, the surface owner of record will be notified as soon as practical.
- 2. Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)
- 3. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank, ...). The well will be temporarily shutin until the rerouting is completed.
- 4. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed at one of the following NMOCD approved facilities depending on the proximity of the BGT site: Rosa Unit SWD #1 (Order: SWD-916, API: 30-039-27055), Rosa Unit #94 (Order: SWD-3RP-1003-0, API: 30-039-23035), Jillson Fed. SWD #001 (Order: R10168/R10168A, API: 30-039-25465), Middle Mesa SWD #001 (Order: SWD-350-0, API: 30-045-27004) and/or Basin Disposal (Permit: NM-01-0005).
- 5. Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).
- 6. WPX will obtain prior approval from NMOCD to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liners materials will be cleaned without soils or contaminated material for disposal as

solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D of 19.15.9.712 NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.

- 7. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure will be removed from the location.
- 8. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1: Closure Criteria for BGTs

-Components	Jesting/Methods	Closure limits (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	- 0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW-846 Method 418.1(1)	100
Chlorides	EPA SW-846 Method 300.1(1)	250(2)

⁽¹⁾ Method modified for solid waste.

- 9. If the Division and/or WPX determine there is a release, WPX will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.
- 10. Upon completion of the tank removal, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot of top soil or background thickness whichever is greater and to existing grade. The surface will be recontoured to match the native grade and prevent ponding.
- 11. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: If a surface owner agreement requires reseeding or other surface restoration that do not meet the revegetation requirements of 19.15.17.13.1 NMAC then WPX will submit the proposed alternative with written documentation that the surface owner agrees to the alternative, for Division approval.
- 12. For those portions of the former pit area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.

Closure Report:

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner & NMOCD)
- Backfilling & Cover Installation
- Site Diagram with coordinates
- Available Inspection reports

- Confirmation Sampling Analytical Results
- Disposal Facility Name(s) and Permit Number(s)
- Application Rate & Seeding techniques
- Photo Documentation of Reclamation

⁽²⁾ If background concentration of Chlorides greater than 250 mg/Kg, then higher concentration will be used for closure.

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Production Pit: Fiberglass Below-Grade Tank

Although these tanks have performed well to protect the public health, welfare and environment, in accordance with Rule 19.15.17.13.A (4) NMAC, Williams will removed all BGTs constructed of fiberglass by June 16, 2013. These tanks do not meet the construction/design standards specified in 19.15.17.11 (1-4). The following plans describes the general design and construction (D&C) and Operations and Maintenance (O&M)of these production pits used on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico.

Design and Construction Plan

The pit is located as close as possible to the well and associated production/process equipment to minimize surface disturbance. The excavation bottom and sidewalls were compacted prior to installation of the pit. The BGT consisted of single-wall fiberglass tank following appropriate API and industry codes, placed in a 20-mil High-Strength Polyethylene resin (Permeability Rating – 0.041 USPerms), and the liner banded to the tanks. A 2" Sch-40 PVC riser was placed between the tank and liner as a leak-detection inspection port. See the attached Schematic and liner spec sheet. The pit is protected from runon by the construction of a compacted earthen berm. Fencing is constructed to protect livestock/wildlife as specified by the federal Surface Management Agency or, if not federal land/minerals requirements. WPX posts a well sign in accordance with the federal Surface Management Agency and rule 19.15.3.103.

Operations and Maintenance Plan

- WPX only allows produced liquids meeting the RCRA exemption for O&G wastes to be stored in the SGT. WPX will not discharge or store any hazardous waste as defined under RCRA 40CFR 261 and 19.15.1.7.W(3) NMAC in any temporary pit. Produced water is disposed by evaporation or transport any of the following NMOCD approved facilities depending on the well location: Basin-Disposal, Inc in Bloomfield, New Mexico (Permit # NM-01-005), Williams Rosa SWD#1 (Permit # SWD-916), Williams Rosa #94 (Permit # SWD-758), Burlington Resources Jillson SWD#1 (Permit #R10168A), or other NMOCD approved water disposal facilities. WPX maintains sufficient freeboard for to prevent overtopping. Discharges to the pit will be shutoff if the liquid level does not provided sufficient free-board and liquid removal can not be scheduled in a timely manner. Any oil or hydrocarbon collecting on the pit is removed. Saleable condensate is returned to the sales tank. Slop oil from compression is recycled with Safety Kleen, Farmington, NM or Hydropure, Aztec, NM (No Permit Required).
- 2. If the tank integrity is compromised:
 - a. All discharges will be shut off to the pit.
 - b. All liquids will be removed as soon as possible but no more that within 24 hours of discovery
 - c. WPX will notify and report to NMOCD as follows:
 - i. If the release is less than 25 bbls, the Aztec District Office by phone or email within 48-hours of discovery and repair.
 - ii. If the release is suspected to be greater than 25 bbls, the Aztec District Office and the Environmental Bureau Chief by phone for immediate verbal notification pursuant to 19.15.3.116.B (1)(d).
 - d. Written Spill/Release reports will be submitted on Form C-141 per 19.15.3.116.C NMAC within 15 days to the Aztec District Office.
- 3. Berms around the perimeter of the pit, shall be maintained as protection from run-on.
- 4. WPX will inspect the BGT pit monthly. Electronic copies of the inspections will be kept at the WPX San Juan Basin office for a minimum of five years following completion. Copies of the inspections will be available to NMOCD upon request.

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Production Pit: Below-Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general closure requirements of below-grade tanks (BGT) on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard procedure for all out-of-service BGTs used to store produced liquids during production operations at gas wells operated by WPX.

For those closures which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized. All closure activities will include proper documentation and will be submitted to OCD within 60 days of the pit closure on a Closure Report using Division Form C-144. The Report will include the following:

- Plot Plan (Pit Diagram)
- Available Inspection reports

- Sampling Results
- Waste disposal documentation

General Plan Requirements:

- 1. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank ...). The well will be temporarily shut in until the rerouting is completed.
- 2. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed of by injection at one of the Williams Production Rosa Unit Salt Water Disposal wells: Rosa SWD #1 (API: 30-039-27055) I-23-31N-06W Permit SWD-916 or Rosa Unit #94 (API: 30-039-23035) K-16-31N-05W, Permit SWD-758.
- 3. Notice of Closure will be given to the landowner or SMA, and the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)
- 4. The BGT and all associated materials will be removed, and recycled, reused, or disposed, of in a Division-approved facility. All materials that can not be recycled or reused will be treated a solid waste and will be disposed of at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426).
- 5. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), a release will be reported following Rule 116 and impacted soils will be excavated and hauled to Envirotech Landfarm near Bloomfield, NM (NMOCD Permit NM-01-0011). Approval to haul will be requested of the Aztec District office prior to initiation.

Table 1: Closure Criteria for BGTs

Components	Jesting Methods:	Closure limits (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW-846 Method 8015 M(Full Range)*	100
	or Method 418.1	
Chlorides	EPA SW-846 Method 300.1	250

^{*} Preferred method

- 6. Upon completion of the tank removal and any necessary soil remediation, the excavation will be backfilled with non-waste earthen material compacted to native and covered with a minimum of one foot of top soil. The surface will be re-contoured to match the native grade.
- 7. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a surface use agreement or APD are Division-appröved methods unless notified by the Division of their unacceptability.
- 8. For those portions of the former pit area required for production activities, re-seeding will be done at well abandonment, and following the procedure noted above.

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Production Pit: Fiberglass Below-Grade Tank

Although these tanks have performed well to protect the public health, welfare and environment, in accordance with Rule 19.15.17.13.A (4) NMAC, Williams will removed all BGTs constructed of fiberglass by June 16, 2013. These tanks do not meet the construction/design standards specified in 19.15.17.11 (1-4). The following plans describes the general design and construction (D&C) and Operations and Maintenance (O&M)of these production pits used on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico.

Design and Construction Plan

The pit is located as close as possible to the well and associated production/process equipment to minimize surface disturbance. The excavation bottom and sidewalls were compacted prior to installation of the pit. The BGT consisted of single-wall fiberglass tank following appropriate API and industry codes, placed in a 20-mil High-Strength Polyethylene resin (Permeability Rating – 0.041 USPerms), and the liner banded to the tanks. A 2" Sch-40 PVC riser was placed between the tank and liner as a leak-detection inspection port. See the attached Schematic and liner spec sheet. The pit is protected from runon by the construction of a compacted earthen berm. Fencing is constructed to protect livestock/wildlife as specified by the federal Surface Management Agency or, if not federal land/minerals requirements. WPX posts a well sign in accordance with the federal Surface Management Agency and rule 19.15.3.103.

Operations and Maintenance Plan

- 1. WPX only allows produced liquids meeting the RCRA exemption for O&G wastes to be stored in the SGT. WPX will not discharge or store any hazardous waste as defined under RCRA 40CFR 261 and 19.15.1.7.W(3) NMAC in any temporary pit. Produced water is disposed by evaporation or transport any of the following NMOCD approved facilities depending on the well location: Basin Disposal, Inc in Bloomfield, New Mexico (Permit # NM-01-005), Williams Rosa SWD#1 (Permit # SWD-916), Williams Rosa #94 (Permit # SWD-758), Burlington Resources Jillson SWD#1 (Permit #R10168A), or other NMOCD approved water disposal facilities. WPX maintains sufficient freeboard for to prevent overtopping. Discharges to the pit will be shutoff if the liquid level does not provided sufficient free-board and liquid removal can not be scheduled in a timely manner. Any oil or hydrocarbon collecting on the pit is removed. Saleable condensate is returned to the sales tank. Slop oil from compression is recycled with Safety Kleen, Farmington, NM or Hydropure, Aztec, NM (No Permit Required).
- 2. If the tank integrity is compromised:
 - a. All discharges will be shut off to the pit.
 - b. All liquids will be removed as soon as possible but no more that within 24 hours of discovery
 - c. WPX will notify and report to NMOCD as follows:
 - i. If the release is less than 25 bbls, the Aztec District Office by phone or email within 48-hours of discovery and repair.
 - ii. If the release is suspected to be greater than 25 bbls, the Aztec District Office and the Environmental Bureau Chief by phone for immediate verbal notification pursuant to 19.15.3.116.B (1)(d).
 - d. Written Spill/Release reports will be submitted on Form C-141 per 19.15.3.116.C NMAC within 15 days to the Aztec District Office.
- 3. Berms around the perimeter of the pit, shall be maintained as protection from run-on.
- 4. WPX will inspect the BGT pit monthly. Electronic copies of the inspections will be kept at the WPX San Juan Basin office for a minimum of five years following completion. Copies of the inspections will be available to NMOCD upon request.

Williams Production Co., LLC San Juan Basin: New Mexico Assets

Production Pit: Below-Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general closure requirements of below-grade tanks (BGT) on Williams Production Co, LLC (WPX) locations in the San Juan Basin of New Mexico. This is WPX's standard procedure for all out-of-service BGTs used to store produced liquids during production operations at gas wells operated by WPX.

For those closures which do not conform to this standard closure plan, a separate well/pit specific closure plan will be developed and utilized. All closure activities will include proper documentation and will be submitted to OCD within 60 days of the pit closure on a Closure Report using Division Form C-144. The Report will include the following:

- Plot Plan (Pit Diagram)
- Available Inspection reports

- Sampling Results
- Waste disposal documentation

General Plan Requirements:

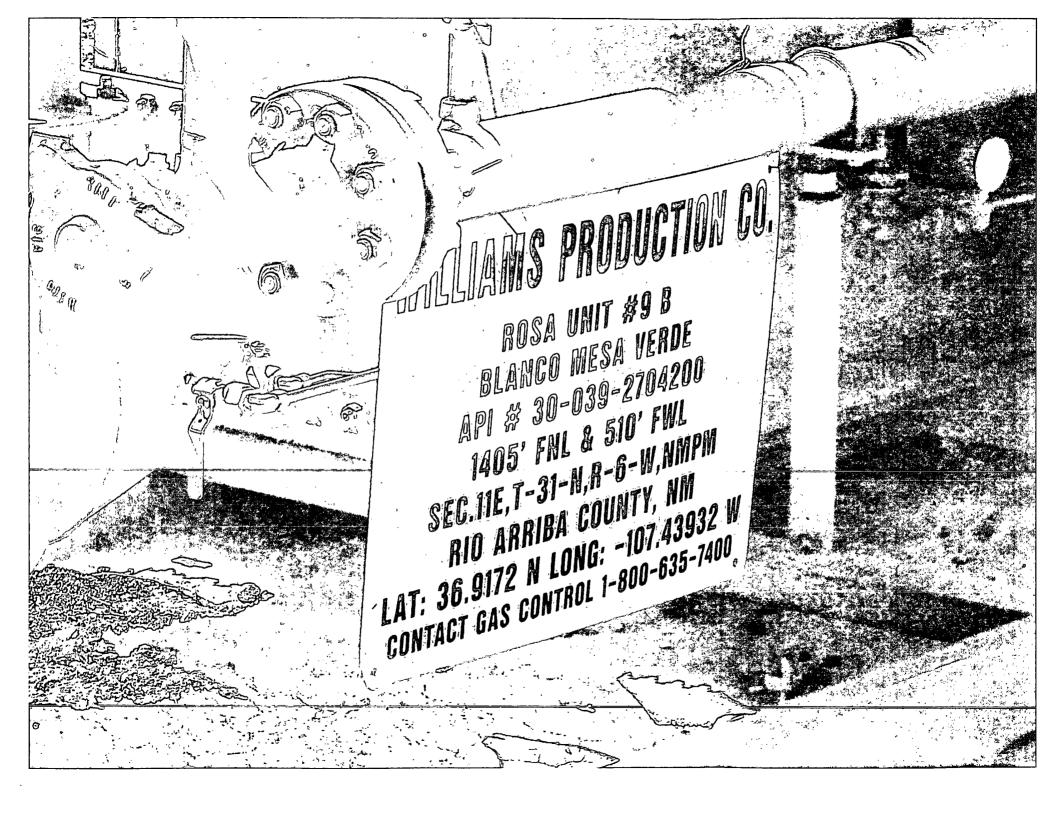
- All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank ...). The well will be temporarily shut in until the rerouting is completed.
- 2. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed of by injection at one of the Williams Production Rosa Unit Salt Water Disposal wells: Rosa SWD #1 (API: 30-039-27055) I-23-31N-06W Permit SWD-916 or Rosa Unit #94 (API: 30-039-23035) K-16-31N-05W, Permit SWD-758.
- 3. Notice of Closure will be given to the landowner or SMA, and the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)
- 4. The BGT and all associated materials will be removed, and recycled, reused, or disposed, of in a Division-approved facility. All materials that can not be recycled or reused will be treated a solid waste and will be disposed of at a licensed disposal facility (probably San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426).
- 5. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(B)(1)(b) NMAC. In the event that the criteria are not met (See Table 1), a release will be reported following Rule 116 and impacted soils will be excavated and hauled to Envirotech Landfarm near Bloomfield, NM (NMOCD Permit NM-01-0011). Approval to haul will be requested of the Aztec District office prior to initiation.

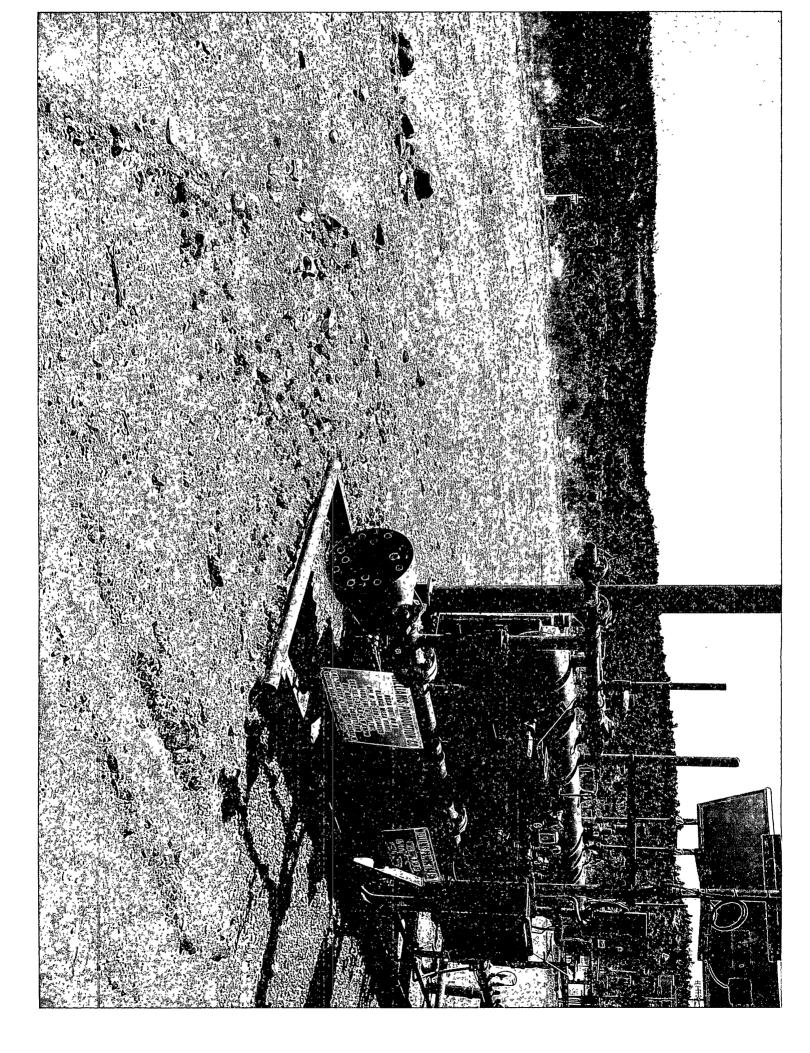
Table 1: Closure Criteria for BGTs

Components	Testing/Methods 2	Closure Hmils (mg/kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2
BTEX	EPA SW-846 Method 8021B or 8260B	50
TPH	EPA SW-846 Method 8015 M(Full Range)*	100
	or Method 418.1	
_ Chlorides	EPA SW-846 Method 300.1	250

^{*} Preferred method

- 6. Upon completion of the tank removal and any necessary soil remediation, the excavation will be backfilled with non-waste earthen material compacted to native and covered with a minimum of one foot of top soil. The surface will be re-contoured to match the native grade.
- 7. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) or Land owner as part of a surface use agreement or APD are Division-appröved methods unless notified by the Division of their unacceptability.
- 8. For those portions of the former pit area required for production activities, re-seeding will be done at well abandonment, and following the procedure noted above.





Rosa 9B Mesa verde Sec 11 T 31 N R 6 W Rio Arriba County road production unit well head



04-65 Rosa Unit # 009B

						Liner	Leak detecti	ak Detection le	Pit	
						Plastic				
						liner,				
i						Double				
						Wall				
						Steel,				
			i i	1	SGT.	Bottom				
					BGT,	Plastic				Comments / Repairs
Date	WellName	Run	Formation	Construction	Above	Liner	Y/N	level	level	needed
	ROSA UNIT		Mass			Banded				
8/8/2008	#009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Van	25"	9"	
0/8/2008	UNIT	04-03		FIBERGLASS	<u> </u>		Yes		9	
500.00	l	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes			
Sep-08	UNIT	04-03	Mesa	TIBLINGLAGS	<u> </u>	Plasic	162			
Oct-08		04-65	Verde	FIBERGLASS	BGT	Liner	Yes	.5"	21"	
000-08	UNIT	04-00	Mesa	TIBLINGLAGG		Plasic	res	 		
Nov-08		04-65	Verde	FIBERGLASS	BGT	Liner	VAS	0"	24.75"	
100-08	UNIT	0.00	Mesa	1 10211027100		Plasic	yes		24.73	
Dec-08	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes	0"	53"	
200	UNIT	0.00	Mesa	52. (62, 166		Plasic	103			
Jan-09	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes	О	42	
	UNIT		Mesa			Plasic				
Feb-09	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes			
	UNIT		Mesa			Plasic				
Mar-09	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes	0	46.5	
	UNIT		Mesa			Plasic	-			
Apr-09	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes			
<u> </u>	UNIT		Mesa			Plasic				
May-09	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes		57	
	UNIT		Mesa		-	Plasic	`			
6/8/2009	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes	0in	10in	72in Pit
	UNIT		Mesa			Plasic				
7/7/2009	#009B	04-65	Verde	FIBERGLASS	BGT	Liner	Yes	Oin	11in	

04-65

Rosa Unit #009B

						Liner	Leak detecti	ak Detection lev	Pit	
Date	WellName	Run	Formation	Construction	SGT. BGT, Above	Liner Banded Plastic liner, Double Wall Steel, Bottom Plastic Liner	Leak detecti	ak Detection le	Pit	Comments / Repairs
		· · · · · · · · · · · · · · · · · · ·								
8/26/2009	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		12"	
9/1/2209	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes			
10/5/2009	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		18"	
11/5/2009	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		25"	
12/28/2009	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		35"	
1/12/2010	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		36"	
2/17/2010	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes		46"	
3/18/2010	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes	1"	56"	
4/1/2010	UNIT #009B	04-65	Mesa Verde	FIBERGLASS	BGT	Plasic Liner	Yes			



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	Williams	Project #:	04108-0136
Sample ID:	R 9B	Date Reported:	05-03-10
Laboratory Number:	53909	Date Sampled:	04-23-10
Chain of Custody No:	9190	Date Received:	04-28-10
Sample Matrix:	Soil	Date Extracted:	04-29-10
Preservative:		Date Analyzed:	04-30-10
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	1.7	0.1
Total Petroleum Hydrocarbons	1.7	0.2

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

Rosa 9B

Dank July Arralyst

Review Locators



EPA Method 8015 Modified Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	04-30-10 QA/QC	Date Reported:	05-03-10
Laboratory Number:	53882	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-30-10
Condition:	N/A	Analysis Requested:	TPH

	≰l Cal Date⊭	I-CaliRF	CollRF	% Difference	Accept Range
Gasoline Range C5 - C10	05-07-07	1.1089E+003	1.1093E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	1.0246E+003	1.0250E+003	0.04%	0 - 15%

Blank Cons. (neileameilke)	Consequation	#Delection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

Duplicate Conc. (ng/kg)		े विविध्वितिक	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike@one (mo/kg)	Samille	Spike Added	Sokertesul	% Recovery	# Accept Range
Gasoline Range C5 - C10	ND	250	246	98.4%	75 - 125%
Diesel Range C10 - C28	ND	250	251	100%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 53882 and 53908 - 53912.

Mustla Mulaeteus Review



MM of MM - San Juan County 78 County Road 3140 Artec, NM, 87410 Ph: (505) 334-1121

Original Ticket# 127666Å

Customer Name WILLIAMSRRO WILLIAMS PRODUCTI Carrier VAUOIL VAUGHN DILFIELD SERVICES INC Ticket Date 05/21/2010 Vehicle#, xxx Volume Payment Type Credit Account Container Manual Ticket# Oriver Hauling Ticket# Check# Billing # Route 0000114 RECEIVED State Waste Code Gen EPA ID Manifest JUN 0 1 2010 Destination Grid pg . ----Profile' Generator Time ' Scale -Operator Inbound Gross 45640 1b

In 05/21/2010 07:05:46 Inbound 301 MMORGAN Tare 38920 1b Out 05/21/2010 07:43:37 Outbound 302 MMORGAN Net 6720 1b Tons 3.36

Comments 9 PITS

Product '		LD%	Oty.	NOM	Rate	Tax	Amount	Origin
	_pose- Yds		28.00	Yards	5. 5.1	9, 55	\$154.28	RIOARRIBA

(Madring)

Marius Cheney Halo T-12 Williams production Rosa 22,22A,36B,36, 9,9B,148B,149B,181C

Total Tax \$9.55 Total Ticket \$163.83

Driver's Signature

403WM



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Williams	Project #:	04108-0136
Sample ID:	R 9B	Date Reported:	05-03-10
Laboratory Number:	53909	Date Sampled:	04-23-10°
Chain of Custody:	9190	Date Received:	04-28-10
Sample Matrix:	Soil	Date Analyzed:	04-30-10
Preservative:		Date Extracted:	04-29-10
Condition:	intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	0.9	
Toluene	ND	1.0	
Ethylbenzene	ND	1.0	
p,m-Xylene	ND	1.2	
o-Xylene	ND	0.9	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	95.0 %
	1,4-difluorobenzene	95.6 %
	Bromochlorobenzene	96.6 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Rosa 9B

Brendon Juli

Musth Muceton
Review

CONC HE Habitime EA Farmington NIKA 07401

/FAFLESS ACTE - F-/DANLICS 1070 - F-/FAFLESS 10FF

lah@anifestach 'an and anifestach



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	04-30-BTX QA/QC	Date Reported:	05-03-10
Laboratory Number:	53882	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	04-30-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	je¢alikiri.	C-CallRF Accept Rang		Blank, 77 Cond	Detect Limit
Benzene	1,9068E+006	1.9107E+006	0.2%	ND	0.1
Toluene	1.2828E+006	1.2854E+006	0.2%	ND	0.1
Ethylbenzene	1.0373E+006	1.0394E+006	0.2%	ND	0.1
p,m-Xylene	2.1884E+006	2.1928E+006	0.2%	ND	0.1
o-Xylene	8.6369E+005	8.6542E+005	0.2%	ND	0.1

Emplicate Conc. (tig/Kg)	Sample . De	ollea(e	: %D(ff:	Acceptikange	e Delego Emilo
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Semple Ano	પંત્ર ક્રિનાર્જિક ક્રોની	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	50.3	101%	39 - 150
Toluene	ND	50.0	48.1	96.1%	46 - 148
Ethylbenzene	ND	50.0	49.1	98.1%	32 - 160
p,m-Xylene	ND	100	99.7	99.7%	46 - 148
o-Xylene	ND	50.0	50.9	102%	46 - 148

ND - Parameter not detected at the stated detection limit.

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using

Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 53826 - 53829, 53882 and 53908 - 53912.

Analyst

Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Williams	Project #:	04108-0136
Sample ID:	Rosa 9B	Date Reported:	05-03-10
Laboratory Number:	53909	Date Sampled:	04-23-10
Chain of Custody No	9190	Date Received:	04-28-10
Sample Matrix:	Soil	Date Extracted:	04-30-10
Preservative:		Date Analyzed:	04-30-10
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Total Petroleum Hydrocarbons

29.1

13.5

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Rosa 9B



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:

QA/QC

Project #:

N/A

Sample ID:

QA/QC

Date Reported:

04-30-10

Laboratory Number:

04-30-TPH.QA/QC 53877

04-30-10

Date Sampled:

N/A

Sample Matrix:

Freon-113

Date Analyzed:

04-30-10 04-30-10

Preservative: Condition:

N/A N/A Date Extracted: Analysis Needed:

TPH

Calibration C-Cal Date C-Cal Date C-Cal RF: % Difference Accept Range

04/22/2010

1,790 5.9%

Blank Conc. (mg/Kg)

Concentration

1,690

+/- 10%

TPH

ND

Detection Limit 13.5

Duplicate Conc. (mg/Kg)

Sample Duplicate % Difference Accept Range

TPH

15.6

18.9

21.2%

+/- 30%

Spike Conc. (mg/kg) Sample Spike Added Spike Result % Recovery **TPH**

15.6

2,000

1,890

93.8%

Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 53906 - 53912 and 53877 - 53878.



Chloride

Client	\$A/:U:	Decidet #	04409 0496
Client:	Williams	Project #:	04108-0136 05-05-10
Sample ID:	R 9B	Date Reported:	
Lab ID#:	53909	Date Sampled: Date Received:	04-23-10
Sample Matrix:	Soil		04-28-10
Preservative: Condition:	1-44	Date Analyzed:	05-05-10
Condition:	Intact	Chain of Custody:	9190
•			
Parameter		Concentration (mg	/Kg)
Total Chloride		15	
Reference:		lethods for Chemical Analysis of Water a	
	Standard Methods For	r The Examination of Water And Waste V	Vater", 18th ed., 1992.
Comments:	Rosa 9B		
	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
/)	/		
Mandon Ha			

Review

CHAIN OF CUSTODY RECORD

Client:			Project Name / Location: ANALYSIS / PARAMETERS							· · · · · · · · · · · · · · · · · · ·													
William	<u>ں</u>		K08a 9B							1				r		1	,	1		I .		Т	
Client Address: Sampler Name: Wath Bos			Pac	110				15)	BTEX (Method 8021)	6													
10101110	200		Mati	<u> </u>	4e				8	ğ	182	ड्	_		<u></u>			ļ					
Client Phone No.:	7		Client No.:	04	108-0	45ا			<u> </u>	윭	1 25	lets]. je		 		<u>=</u>	l m	ļ			00	itac
034-4219	1		1006B	10069-0005-cu			TPH (Method 8015)	Š	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P		TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact		
Sample No./	Sample	Sampl	e Lab No	ì	ample	No./Volume	Preser		Ţ	Ĕ	ည	ξ.	Ę.		틧	I	Ī	일				ф	E G
Identification	Date	Time	Eus 110.		Matrix	of Containers	HgCl ₂ HC	*	ㅂ	BT	8	8	පී	낊	12	PAH	<u> </u>	ㅎ				ဗိ	S
R9B	1/23/10	150	53909	Soil Solid	Sludge Aqueous	1-402			χ	Ł							X	X				N	4
		•		Soil Solid	Sludge Aqueous	0																	
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous									-									
				Soil Solid	Sludge Aqueous																		
7.7				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous											-							
		***		Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous					i													
Relinquished by: (Signature) Date Time Receive H2816 2-36				_ر _	\leq)					1./	ate	T1	ime						
Relinquished by (Signature)				d by:	(Signa	ature)									7 (1	*	•					
Relinquished by: (Signature)				ceive	d by:	(Sign:	ature)	· · · · · · · · · · · · · · · · · · ·	***************************************														
						_L														1			



Williams Production Co., LLC San Juan Basin: New Mexico Assets

Below-Grade Tank Removal Closure Report

Well: (Rosa Unit# 009B)
API No: 30-03927042

Location: E-S11-T31N-R06W, NMPM



In accordance with Rule 19.15.17.13 NMAC, the following report describes the general closure of the referenced below-grade tanks (BGT) on Williams Production Co, LLC (WPX) location in the San Juan Basin of New Mexico. The closure follows this WPX's standard closure procedure for all BGTs regulated under Rule 19.15.17 NMAC and operated by WPX. For those closures which do not conform to the standard closure plan, a separate well/pit specific closure plan will be developed and utilized.

Closure Conditions and Timing:

Pursuant to 19.15.17.13 (A) NMAC, WPX will initiate closure of any BGT should any one of these conditions occur:

- The Division requires closure because of imminent danger to fresh water, public health or the environment.
- The integrity of the BGT fails. Notification will be within 48 hours to the Division and closure will be schedule as specified in 19.15.17.12 (A) (5) NMAC.
- WPX chooses to take the BGT out-of-service due to operational needs. Closure under these conditions will be initiated within 60 days of cessation of the BGT's operation.
- BGTs installed prior to June 16, 2008 that do not meet the requirements under 19.15.17.11.1(6) NMAC and WPX chooses not to retrofit or upgrade. Closure under these conditions will be completed within five years (by June 16, 2013).

General Plan Requirements:

Prior to initiating any BGT Closure except in the case of an emergency, WPX will
review County Tax Records for the current landowner of record. The landowner of
record will be notified of the intent to closure the BGT by certified mail and a copy of
this notification will be included in the closure report. In the case of an emergency,
the landowner of record will be notified as soon as practical.

<u>Williams notified the SMA of its intent to clean close the BGT via Certified Mail on March 10, 2009 see attached. No return receipt required per BLM:FFO/NMOCD MOU dated 5/4/09.</u>

- 2. Notice of Closure will be given to the Aztec District office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
 - a. Operators Name (WPX)
 - b. Well Name and API Number
 - c. Location (USTR)

<u>Aztec District office was notified of Williams E&P intent to close on (04/20/2010). Email</u> attached.

3. All piping will be rerouted to an alternative produced water storage/disposal location (e.g. surface tanks, temporary frac tank, ...). The well will be temporarily shut-in until the rerouting is completed.

<u>Williams closed the BGT used by the Rosa Unit#009B separator and piped all liquids to the Produced Water Storage Tank.</u>

4. All produced water will be removed from the BGT following discharge-pipe rerouting. Produced water will be disposed at one of the following NMOCD approved facilities depending on the proximity of the BGT site: Rosa Unit SWD #1 (Order: SWD-916, API: 30-039-27055), Rosa Unit #94 (Order: SWD-3RP-1003-0, API: 30-039-23035), Jillson Fed. SWD #001 (Order: R10168/R10168A, API: 30-039-25465), Middle Mesa SWD #001 (Order: SWD-350-0, API: 30-045-27004) and/or Basin Disposal (Permit: NM-01-0005).

<u>Produced water in the BGT prior to closures was removed by vacuum truck and hauled</u> to the Rosa Unit disposal wells listed

5. Solids and sludges will be shoveled and /or vacuumed out for disposal at Envirotech (Permit Number NM-01-0011).

No solids or sludge required removal prior to excavation and removal of the tank.

6. Williams will obtain prior approval from NMOCD to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liners materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of paragraph 1 subsection D or 19.15.9.712 NMAC. Disposal will be at a licensed disposal facility, presently San Juan Regional Landfill operated by Waste Management under NMED Permit SWM-052426.

The fiberglass tank and plastic liner was disposed of at the San Juan Regional Landfill.

- 7. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure will be removed from the location.

 The fiberglass tank and plastic liner were removed offsite. All other piping and equipment remains in use. See attached photo.
- 8. Following removal of the tank and any liner material, a five-point composite sample will be taken of the excavation and tested per 19.15.17.13(E)(4) NMAC as identified in Table 1. Grab samples will be collected from any area that is wet, discolored or showing other evidence of a release. Results will be report to the Division following receipt from the lab on Form C-141.

Table 1: Closure Criteria for BGTs

Components	Testing Methods	Closure Limits (mg/Kg)	Sample Results (mg/Kg)
Benzene	EPA SW-846 Method 8021B or 8260B	0.2	ND
BTEX	EPA SW-846 Method 8021B or 8260B	50	ND
TPH	EPA SW-846 Method 418.1(1)	100	29.1
Chlorides	EPA SW-846 Method 300.1(1)	250(2)	15

- (1) Method modified for solid waste
- $^{(2)}$ If background concentration of Chlorides greater than 250 mg/Kg, then higher concentration will be used for closure.
- 9. If the Division and/or Williams determine there is a release, Williams will comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC.

No release detected.

10. Upon completion of the tank removal, and any necessary soil remediation, the excavation will be backfilled with non-waste earthen material compacted to native and covered with a minimum of one foot of top soil or background thickness. The surface will be recontoured to match the native grade.

<u>Ptt area backfilled with clean earthen material following sample results. No contaminated soil taken off site.</u> Backfill compacted to avoid settling and pit area remains in use for production operations.

11. For those portions of the former pit area no longer required for production activities, WPX will seed the disturbed areas the first growing season after the pit is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other Division-approved methods. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintained that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. Note: WPX assumes the seeding stipulations including mix and seeding methods specified by the Surface Management Agency (BLM, BOR, USFS, Tribal, etc.) APD are Division-approved methods unless notified by the Division of their unacceptability. If a landowner agreement requires reseeding or other surface restoration that does not meet the revegetation requirements of 19.15.17.13., I then WPX will submit the proposed alternative with written documentation that the landowner agrees to the alternative, for Division approval.

Pit area along with unused portions of well pad interim reclaimed and following P&A entire location to be reclaimed and recontoured in accordance with Surface Management Agency requirements in APD-COAs and per BLM:FFO/NMOCD MOU dated 5/4/09.

12. For those portions of the former pit area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.
See above notes

Closure Report:

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner & NMOCD)
- Backfilling & Cover Installation
- Site Diagram with coordinates
- Available Inspection reports

- Confirmation Sampling Analytical Results
- Disposal Facility Name(s) and Permit Number(s)
- Re-vegetation Application Rate & Seeding techniques
- Photo Documentation of Reclamation