District [	State of New Mexico and Natural Resources	Form C-144 July 21, 2008
REGISTERED	vation Division St. Francis Dr.	tanks, submit to the appropriate NMOCD District Office.
000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
220 S. St. Francis Dr., Santa Fe. NM 87505		
Pit, Close	d-Loop System, Below-Grad	e lank, or
Proposed Alternat	live Method Permit of Closur	e Plan Application
Type of action: X Permit of	a pit, closed-loop system, below-grade ta	ank, or proposed alternative method
	f a pit, closed-loop system, below-grade	tank, or proposed alternative method
	ion to an existing permit	
Closure pl below-gra	lan only submitted for an existing permit de tank or proposed alternative method	tted or non-permitted pit, closed-loop system,
Instructions: Please submit one application (Fo	prosection of proposed uncernative method	on system, helow-grade tank or alternative request
Please be advised that approval of this request does r	not relieve the operator of liability should operations re	esult 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.
Derator: Burlington Resources Oil & Cas Com	nany I P	OCPID# 14538
Address: PO Box 4289. Farmington, NM 87409		
facility or well name: SAN JUAN 28-4 UNIT 27/	A	
API Number: 3003026785	OCD Permit Numbe	
1/1 or Otr/Otr: 0 Section: 10 T	Counchin: 29N Banga:	W County Die Annihe
Center of Proposed Design: Latitude: 3(	6 64168°N Longitude:	107 29730934/ NIAD: V1027 1023
Surface Owner: V Endorol State	Driveta Tribal Trust or Indiat	Allotment
Antace owner.		
PIT: Subsection F or G of 19.15.17.11 NMAC		
Temporary: Drilling Workover		
Permanent Emergency Cavitation P		
Liner Seams: Welded Factory Oth	her Volume:	bbl Dimensions L x W x D
3		
Closed-loop System: Subsection H of 19.15.1	7.11 NMAC	
Type of Operation: P&A Drilling a new	well Workover or Drilling (Applies to notice of intent)	activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tanks	Haul-off Bins Other	
Lined Unlined Liner type: Thic	kness mil LLDPE H	DPE PVD Other
Liner Seams: Welded Factory Othe	er	
X         Below-grade tank:         Subsection 1 of 19 15 17 11	NMAC	
Volume: 120 hbt Tune of	f fluid: Produced Water	
Tank Construction meterial	Motol	
Secondary containment with lock detection	Visible sidewalls lines 6 inch lift and auto	amatic overflow shut-off
Visible sidewalls and lines Visibile sidewalls and lines	devalls only Other	
Lings Tung: Thickness		repeating
Liner Type: Thickness mil		
5 Alternative Method:		
Alternative Method:     Submittal of an exception request is required. Exception	ons must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval.
Alternative Method:     Submittal of an exception request is required. Exception	ons must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval.

0							
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permission of the section o							
(unporary 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, bosining	d institution on doin ( )						
Four foot height, four strands of barbed wire evenly spaced between one and four feet							
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.							
7							
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)							
X Screen Netting Other							
Monthly inspections (If netting or screening is not physically feasible)							
8							
Signs: Subsection C of 19.15.17.11 NMAC							
12 X 24°, 2° lettering, providing Operator's name, site location, and emergency telephone numbers							
A signed in compliance with 19.15.3.103 NMAC							
9 Administrative Approveds and Example							
Justifications and/or demonstrations of equivalency are required. Please refer to 10.15.17 NMACConnection							
Please check a box if one or more of the following is requested, if not leave blank.							
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental B							
(Fencing/BGT Liner)	consideration of approval.						
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							
source material are provided below. Requests regarding changes to certain siting criteria may require administrations of acceptable							
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for							
does not apply to drying pads or above grade-tanks associated with a closed-loop system							
Ground water is less than 50 fast below the loss of a state of the system.							
<ul> <li>NM Office of the State Engineer - iWATERS database search: USCS: Data obtained for</li> </ul>	Yes X No						
Within 300 feet of a continuously flowing watercourse or 200 feet of any wills	_						
lake (measured from the ordinary high-water mark).	Yes XNo						
- Topographic map; Visual inspection (certification) of the proposed site							
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial							
approxime.	LITS ANO						
- Visual inspection (certification) of the proposed in A is to be a survey of the proposed in A	<b>NA</b>						
Within 1000 feet from a normanization of the proposed site; Aerial photo; Satellite image							
(Applied to permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No						
- Visual inspection (certification) of the proposed sites Assisted to a survey	XNA						
Within 500 horizonal feet of a private domestic freek water well and in the state well and in the state well and the state well							
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application	Yes XNo						
- NM Office of the State Engineer WATERS dot to the state of the state							
Within Incorporated municipal based in the state of the second sta							
adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes X No						
- Written confirmation or verification from the municipality: Written approval obtained from the municipality							
Within 500 feet of a wetland.	Yes XINO						
Within the area overlying a subsurface mine							
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes X No						
Within an unstable area.							
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources: USGS: NM Geological	Yes X No						
Society; Topographic map							
- FEMA map	Yes X No						

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check must in the box, dot doe for the formation of the following items of the following items of the following items of the section of the section of the following items of the following items of the following items of the section of the section of the following items of the following items of the section of the section of the following items of the section of
X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (d) of Subcastian B of 10.15 17 (1)114.0
Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19:15:17:9 NMAC
X Siting Criteria Compliance Demonstrations - based mon the appropriate continuents of 1 anagraph (2) of Subsection B of 19:15.17.9
X Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC
X Operating and Maintenana Illum Action of 19.15.17.11 NMAC
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
X Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API or Permit
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 check mark in the box, that the documents are attached.     Geologic and Hydrogeologic Data (only for on-site closure) - based upon the remirements of Paragraph (2) of School 20, 510,65,65,65
Siting Criteria Compliance Demonstrations (only for on-site closure), bread since the end of a anguaph (5) of Subsection B of 19,15,17,9
Design Plan - based upon the appropriate requirements of 10.15.17.10 NMAC
Operating and Maintenance Plan Instance of the second seco
Character Dia Construction of the appropriate requirements of 19.15.17.12 NMAC
NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design)
Previously Approved Operating and Maintenance Plan
Permanent Pits Permit Application Checklist, Subaction D. Glasser
Instructions: Each of the following items must be attacked to the standard in
Hydroyeologic Benort based upon the and in application. Please indicate, by a check mark in the box, that the documents are attached.
Siting Criterie Council - D
Sting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
Cutified Environment
Dike Protecting Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
Quality Control/Quality Assurance Construction and Installation Plan
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Nuisance or Hazardous Odors, including H2S, Prevention Plan
Emergency Response Plan
Oil Field Waste Stream Characterization
Monitoring and Inspection Plan
Erosion Control Plan
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
14
Proposed Closure: 19.15.17.13 NMAC
Instructions: Please complete the applicable boxes. Boxes 14 through 18, in regards to the proposed closure plan.
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System
Proposed Closure Method: X Waste Excavation and Removal (Bolow Conduction In the
Waste Removal (Closed-loop systems only)
On-site Closure Method (only for tomorrow site of the set
In place Pusiel - Description (convertiged loop systems)
Alternative Clause Mailer Trench
Internative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)
15 Waste Excavation and Removal Closure Plan Checklist: (19-15-17-13 NMAYO) (
Please indicate, by a check mark in the box, that the documents are attached.
X Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC
X Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Sub-uping Figure 1.
X Disposal Facility Name and Permit Number (for liquids drilling thirds and drill outlings)
X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of States of Sta
X Re-vegetation Plan - based upon the appropriate requirements of Sub-
X Site Reclamation Plan, based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC
Construction from the appropriate requirements of Subsection G of 19.15.17.13 NMAC

6		
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground S	ited Tanks or Haul of Rine Onto (10.15.17.17.05.05.4.	
Instructions: Please identify the facility or facilities for the disposal of liquids, drilli are required.	ing fluids and drill cuttings. Use attachment if more than the	u) vo facilities
Disposal Facility Name:	Observed P. Horney and	
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and according and	Disposal Pacifity Permit #:	
Yes (If yes, please provide the information No	ties occur on or in areas that will not be used for futur	re service and operations?
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Spacification - back	W2	
Re-vegetation Plan - based upon the appropriate requirements of Sub-	rate requirements of Subsection H of 19.15.17.13 NN	4AC
Site Reclamation Plan - based upon the appropriate requirements of S	ubsection C of 10.15.17.13 NMAC	
	disection 0 of 19.15.17.15 NMAC	
17 Siling Criteria (Regarding on-site closure methods only 1015 in the		
Instructions: Each sitting criteria requires a demonstration of compliance in the clasure plan	AC	
certain siting criteria may require administrative approval from the appropriate district offic for consideration of approval a barify an and the second state of the	e or may be considered an exception which must be submitted to	pelow. Requests regarding changes to the Santa Fe Environmental Rosenances
per consideration of approval. Justifications analor demonistrations of equivalency are requi	red. Please refer to 19.15,17,10 NMAC for guidance.	in the contraction bureau office
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No
• NM Office of the State Engineer - (WATERS database search; USGS: Data ob	tained from nearby wells	
Ground water is between 50 and 100 feet below the bottom of the buried wasi	te	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obt	ained from nearby wells	
Ground water is more than 100 feet below the bottom of the buried moute	•	
<ul> <li>NM Office of the State Engineer - iWATERS database search: USGS: Data obticed</li> </ul>	ningd from and the U	Yes No
Within 100 fortunt a marking to 2	aned from nearby wells	N/A
(measured from the ordinary high-water mark).	icant watercourse or lakebed, sinkhole, or playa lake	Yes No
<ul> <li>Topographic map: Visual inspection (certification) of the proposed site</li> </ul>		
Within 300 feet from a permanent residence, school, hospital, institution, or church in Visual instruction (correlation) of the	existence at the time of initial application.	Yes No
visital hispection (certification) of the proposed site: Aerial photo; satellite image		
Within 500 horizontal fast of a private dense of the horizontal		Yes No
<ul> <li>NM Office of the State Engineer - iWATERS database: Visual inspection (certific</li> </ul>	an five households use for domestic or stock watering tence at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended.	ell field covered under a municipal ordinance adopted	Yes No
Written confirmation or verification from the municipality; Written approval obta	ined from the municipality	
US Fish and Wildlife Watland Identification on T		Yes No
Within the area overlying a subarriera minimum map: Topographic map; Visual insp	ection (certification) of the proposed site	
Written confirantion or verification or map from the NM EMNRD Mining and M		Yes No
Within an unstable area.	Interar Division	
- Engineering measures incorporated into the design; NM Bureau of Geology & Mit	Yes No	
Topographic map	tesources, oscis, nin Geological Society;	
- FEMA map		Yes No
18		
Dn-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of	f the following items must bee attached to the closur	e plan. Please indicate
Siting Criterio Compliant D		
Proof of Surface Owner Notice beaudy as a shore the	requirements of 19.15.17.10 NMAC	
Construction/Decim Blog of Buriel Taxa 1/15	s of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burlat (if applicable) based upon the	appropriate requirements of 19.15.17.11 NMAC	
Protocols and Providurus based upon the	g pad) - based upon the appropriate requirements of 19	15.17.11 NMAC
Confirmation Sampling Plan (if unplice bland)	0.15.17.13 NMAC	
Waste Material Sampling Fian (II applicable) - based upon the appropriate r	equirements of Subsection F of 19.15.17.13 NMAC	
Dispared English Manage 12 - 202	of Subsection F of 19.15.17.13 NMAC	
Soil Cover Design has diversed	drill cuttings or in case on-site closure standards can	not be achieved)
Son Cover Design - based upon the appropriate requirements of Subsection     Re-vegetation Plan - based upon the appropriate requirements of Subsection	n H of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of Subsection	on Lot 19.15.17.13 NMAC	

Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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Therefy entry that the information solution is true, accurate and complete to the best of my J         Name (Prime:	nowledge and belief. hatory Technician 12/22/2008 505-326-9837 Conditions (see attachment) Approval Date: and submitting the closure report. The closure not complete this section of the form until an 1 Date:
Clyan Ladya       Title:       Reg         Signature:       Construction of the standard o	Approval Date:  nd submitting the closure report. The closure tot complete this section of the form until an  Date:
address:	12/22/2008         505-326-9837         Conditions (see attachment)         Approval Date:
20       OCD Approval:       Permit Application (including closure plan)       Closure Plan (only)       OCD         20       OCD Representative Signature:	S05-326-9837 Conditions (see attachment) Approval Date:
20       OCD Approval:       Permit Application (including closure plan)       Closure Plan (only)       OCD         OCD Representative Signature:	Conditions (see attachment)  Approval Date:  Ind submitting the closure report. The closure not complete this section of the form until an  Date:
OCD Representative Signature:         Title:       OCD Permit Number         21       Closure Report (required within 60 days of closure completion): Subscient & di PLIST/LIS NMAC Instructions: Operators are required to obtain an approved closure plan pittor implementing any closure activities. Please do approved closure plan has been obtained and the closure activities have been completed.         22       Closure Method:         23       Closure Method:         24       Closure Method:         25       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         26       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         27       Disposal Facility of facilities for where the liquids, drilling fluids and drill cuttings were dispowere utilized.         28       Disposal Facility Permit Number         29       Disposal Facility Permit Number         20       Disposal Facility Permit Number         21       Disposal Facility Permit Number         22       Disposal Facility Permit Number         23       Disposal Facility Permit Number         24       Disposal Facility Permit Number         25       Disposal Facility Permit Number         26       Disposal Facility Permit Number         27       Disposal Facility Permit Number	Approval Date:
Title:       OCD Permit Number         21       Closure Report (required within 60 days of closure completion): Subscient K of 19.15.17.13 NMAC         Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities. Please do approved closure plan has been obtained and the closure activities have been completed.         21       Closure Method:         22       Closure Method:         23       Closure Method:         24       If different from approved plan, please explain.         23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         24       Disposal Facility or facilities for where the liquids, drilling fluids and drill cuttings were digwere utilized.         25       Disposal Facility Name:       Disposal Facility Permit Number         26       Over the closed-loop System That Utilize Above Ground Steel T         27       Disposal Facility Name:       Disposal Facility Permit Number         28       Disposal Facility Name:       Disposal Facility Permit Number         29       Vif ty ex, please demonstrate compliane to the items below)       No         20       No if Secility Application Rates and Secing Technique       No         20       Site Reclamation (Photo Documentation)       No         30       Backfilling and Cover Installation       Re	approval Date:
21       Closure Report (required within 60 days of closure completion): Subsciew K of 19.15.17.13 NMAC         Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities. Please do approved closure plan has been obtained and the closure activities have been completed.       Closure Completie         22       Closure Method:       Closure Method       Alternative Closure Method         23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         24       Disposal Facility or facilities for where the liquids. drilling fluids and drill curings were disposal Facility Name:         23       Disposal Facility Name:         24       Disposal Facility Name:         25       Disposal Facility Name:         26       Disposal Facility Permit Number         27       Disposal Facility Permit Number         28       Disposal Facility Permit Number         29       Disposal Facility Permit Number         20       Disposal Facility Permit Number         21       Disposal Facility Permit Number         23       State Report Attachment Checklist: Instructions: Each of the following items must be attached to the election instruction (Photo Documentation)         24       State Report At	and submitting the closure report. The closure not complete this section of the form until an 1 Date:
21         Closure Report (required within 60 days of closure completion); Subsection & of 19.15.17.13 NMAC         Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities approved closure plan has been obtained and the closure activities have been completion of the closure activities. Please do approved closure plan has been obtained and the closure activities have been completed.         22       Closure Method;         23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed Facility Name:         23       Disposal Facility Name:         24       Disposal Facility Name:         25       Disposal Facility Name:         26       Disposal Facility Name:         27       Disposal Facility Permit Numb         28       Disposal Facility Permit Numb         29       Disposal Facility Permit Numb         20       Disposal Facility Permit Numb         21       Disposal Facility Permit Numb         22       Disposal Facility Permit Numb         23       Disposal Facility Permit Numb         24       Disposal Facility Permit Numb         25       Disposal Facility Permit Numb         26       Disposal Facility Permit Numb	and submitting the closure report. The closure not complete this section of the form until an 1 Date:
27     Closure Method:         Waste Excavation and Removal On-site Closure Method Alternative Closure Method         If different from approved plan, please explain.     23     Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disp     were utilized.     Disposal Facility Name: Disposal Facility Permit Numb     Were the closed-loop system operations and associated activities performed on or in areas that will not be used for         Yes (If yes, please demonstrate compiliane to the items below) No     Required for impacted areas which will not be used for future service and operations:         Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique         Poof of Closure Notice (surface owner and division)         Proof of Closure Notice (surface Results (if applicable)         Disposal Facility Name and Permit Number         Soil Backfilling and Cover Installation         Re-vegetation Sampling Analytical Results (if applicable)         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:         Longitude:         Longitude:	
Closure Method:       On-site Closure Method       Alternative Closure Method       It different from approved plan, please explain.         23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disp were utilized.         Disposal Facility Name:       Disposal Facility Permit Numb         Disposal Facility Name:       Disposal Facility Permit Numb         Vere the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations:         Site Reclamation (Photo Documentation)       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         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the clothe 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)         Disposal Facility Name and Permit Number       Soil Backfilling and Cover Installation         Re-vegetatio	-
23       Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel T         Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disp were utilized.       Disposal Facility Name:         Disposal Facility Name:       Disposal Facility Permit Numt         Disposal Facility Name:       Disposal Facility Permit Numt         Were the closed-loop system operations and associated activities performed on or in areas that will not be used for       Yes (If yes, please demonstrate compliane to the items below)       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         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure box, that the documents are attached.       Proof of Closure Notice (surface owner and division)         Proof of Deed Notice (required for on-site closure)       Phot Plan (for on-site closures and temporary pits)         Confirmation Sampling Analytical Results (if applicable)       Waste Material Sampling Analytical Results (if applicable)         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 Locatio	Waste Removal (Closed-loop systems only)
Disposal Facility Name:       Disposal Facility Permit Numb         Disposal Facility Name:       Disposal Facility Permit Numb         Were the closed-loop system operations and associated activities performed on or in areas that will not be used for       No         Required for impacted areas which will not be used for future service and operations:       No         Site Reclamation (Photo Documentation)       Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure 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 (if applicable)         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:	inks or Haul-off Bins Only: osed. Use attachment if more than two facilities
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for       Image: Comparison of the items below)       Image: Comparison of the items below of th	
Yes (If yes, please demonstrate complilane to the items below)       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         ''       Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the clothe 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 (if applicable)       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:	r:
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         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure 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 (if applicable)         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:	service and opennois:
Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure 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 (if applicable)         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:	
Re-vegetation Application Rates and Seeding Technique         Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure 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 (if applicable)         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:	
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Aerial flown locally Sedgewick in 2005.

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# Mines, Mills and Quarries Web Map

## SAN JUAN 28-4 UNIT 27A

Unit Letter: O, Section: 19, Town: 028N, Range: 004W









## SAN JUAN 28-4 UNIT 27A

### Site Specific Hydrogeology

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A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 28-4 UNIT 27A', which is located at 36.64168 degree, North latitude and 107.28739 degree, West longitude. This location is located on the Gobernador 7.5' USGS topographic quadrangle. This location is in section 19 of Township 28 North Range 4 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Dulce, located 25.8 miles to the northeast. The nearest large town (population greater than 10,000) is Farmington, located 51.4 miles to the west (National Atlas). The nearest highway is US Highway 64. ocated 4.7 miles to the north. The location is on National Forest land and is 3,803 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Blanco Canyon. New Mexico, Sub-basin. This location is located 2250 meters or 7380 feet above sea level and receives 16 inches of rain each year. The vegetation at this location is classified as Rocky Mountain Ponderosa Pine Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 190 feet. This estimation is based on the data published on the New Mexico Engineer's iWaters Database website and water depth data from ConocoPhillips' Cathodic wells. Groundwater data available from the INM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 773 feet to the southeast and is classified by the USGS as an intermittent stream. The nearest perennial stream is 11,751 feet to the north. The nearest water body is 7,185 feet to the west. It is classified by the USGS as a perennial lake and is 0.1 acres in size. The nearest spring is 5,723 feet to the east. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 2,023 feet to the northwest. The nearest wetland is an 85.7 acre Ravine located 16,159 feet to the southeast. The slope at this location is 2 degree, to the north as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION--Siltstone, shale, and sandstone with a Sandstone dominated formations of all ages substrate. There is no SSURGO soil data available for this location. The nearest underground mine is 13.5 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

## Regional Hydrogeological context:

The San Jose Formation of Eccene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern hali of the central basin. It ovenies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line. The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feat in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two aquifer tests (Stone et al, 1983, table 5). The reported or measured discharge from 46 water wells completed in San Jose Formation ranges from 0.15 to 61 gallons per minute and the median is 5 gailons per minute. Most of the weils provide water for livestock and domestic use. The San Jöse Formation is a very suitable unit for recharge from precipitation because soils that form on the unit are sandy and highly permeable and therefore readily adsorb precipitation. However, low annual precipitation, relatively high transpiration and evaporation rates, and deep dissection of the San Jose Formation by the San Juan River and its tributaries all tend to reduce the effective technarge to the unit.

Stone et al., 1983, Hydrogeology and Water Resources of the San Juan Basin, New Mexico: Socorro, New Mexico Bureau of Mines and Mineral Resources Hydrologic Report 6, 70 p.

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## Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

In accordance with NMAC 19.15.17 the following information describes the design and construction of below grade tanks on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all below grade tanks (BGT). A separate plan will be submitted for any BGT which does not conform to this plan.

## General Plan:

- 1. BR will design and construct a properly sized and approved BGT which will contain liquids and should prevent contamination of fresh water to protect the public health and environment.
- 2. BR signage will comply with 19.15.3.103 NMAC when BR is the operator. If BR is not the operator it will comply with 19.15.17.11NMAC. BR includes Emergency Contact information on all signage.
- 3. BR has approval to use alternative fencing that provides better protection. BR constructs fencing around the BGT using 4 foot hog wire fencing topped with two strands of barbed wire, or with a pipe top rail. A six foot chain link fence topped with three strands of barbed wire will be use if the well location is within 1000 feet of permanent residence, school, hospital, institution or church. BR ensures that all gates associated with the fence are closed and locked when responsible personnel are not onsite.
- 4. BR will construct a screened, expanded metal covering, on the top of the BGT.
- 5. BR shall ensure that a below-grade tank is constructed of materials resistant to the below-grade tank's particular contents and resistant to damage from sunlight as shown on design drawing and specification sheet.
- 6. The BR below-grade tank system shall have a properly constructed foundation consisting of a level base free of rocks, debris, sharp edges or irregularities to prevent punctures, cracks or indentations of the liner or tank bottom as shown on design drawing.
- 7. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a belowgrade tank to overflow. BR constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 8. BR will construct and use a below-grade tank that does not have double walls. The below-grade tank's side walls will be open for visual inspection for leaks, the below-grade tank's bottom is elevated a minimum of six inches above the underlying ground surface and the below-grade tank is underlain with a geomembrane liner to divert leaked liquid to a location that can be visually inspected.

9. BR has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the BR MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from BR's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.

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- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- 11. The general specification for design and construction are attached in the BR document.



### PROPERTIES TEST METHOD J30BE J36BE J4588 Min. Rolf Typical Roll Min. Roll Typical Roll Min. Roll Typical Roll Averages Averages Averages Averages Averages Averages Appearance Black/Black Black/Black Black/Black **Thickness ASTM D 5199** 27 mil 30 mil 32 mil 36 mil 40 mil 45 mil Weight Lbs Per MSF 126 lbs 140 lbs 151 lbs ASTM D 5261 168 lbs (oz/yd²) 189 lbs 210 lbs (18.14)(20.16)(21.74)(24.19)(27.21)(30.24)Construction \*\*Extrusion laminated with encapsulated tri-directional scrim reinforcement Ply Adhesion **ASTM D 413** 16 lbs 20 lbs 19 lbs 24 lbs 25 lbs 31 lbs 88 lbf MD 110 Ibf MD 90 lbf MD 1" Tensile Strength ASTM D 7003 113 Ibf MD 110 lbf MD 138 lbf MD 63 lbf DD 79 lbf DD 70 lbf DD 87 lbf DD 84 lbf DD 105 lbf DD 1" Tensile Elongation @ 550 MD 750 MD 550 MD **ASTM D 7003** 750 MD Break, % (Film Break) 550 MD 750 MD 550 DD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD 20 MD ASTM D 7003 30 MD Peak % (Scrim Break) 20 MD 36 MD 20 DD 33 DD 20 DD 31DD 20 DD 36 DD 75 lbf MD 97 lbf MD Tongue Tear Strength 75 lbf MD **ASTM D 5884** 104 lbf MD 100 lbf MD 117 lbf MD 75 lbf DD 90 lbf DD 75 lbf DD 92 lbf DD 100 lbf DD 118 lbf DD 180 lbf MD Grab Tensile 218 lbf MD 180 lbf MD ASTM D 7004 222 lbf MD 220 lbf MD 257 lbf MD 180 lbf DD 210 lbf DD 180 lbf DD 223 lbf DD 220 lbf DD 258 lbf DD 120 lbf MD Trapezoid Tear 146 lbf MD 130 lbf MD **ASTM D 4533** 189 lbf MD 160 lbf MD 193 lbf MD 120 lbf DD 130 lbf DD 141 lbf DD 172 lbf DD 160 lbf DD 191 lbf DD \* Dimensional Stability ASTM D 1204 <1 < 0.5 <1 < 0.5 <1 <0.5 Puncture Resistance **ASTM D 4833** 50 lbf 64 lbf 65 lbf 83 lbf 80 lbf 99 lbf Maximum Use Temperature 180° F 180° F 180° F 180° F 180° F 180° F Minimum Use Temperature

MD = Machine Direction DD = Diagonal Directions

Note: Minimum Roll Averages are set to take into account product variability in addition to testing variability between laboratories.

-70° F

-70° F

\*Dimensional Stability Maximum Value

-70° F

\*\*DURA-SKRIM J30BB. J36BB & J45BB are a four layer reinforced laminate containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. DURA-SKRIM J30BB, J36BB & J45BB are reinforced with a 1300 denier (minimum) tri-directional scrim reinforcement.

NOTE: PAVEN INDUSTRIES MAKES NO MARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, to guarantee of substrictory results from renunce upon contained information or recommendations and aso aims all laber, for resulting loss or damage.

## RAVEN NDUSTRIES

## PLANT LOCATION

-70° F

Sioux Falls, South Dakota

## SALES OFFICE

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P.O. Box 5107 Sioux Falls, SD 57117-5107 (605) 335-0174 (605) 331-0333 FAX 800-635-3456

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## RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

Raven Industries Inc. warrants Dura-Skrim J30BB, J36BB, and J45BB to be free from manufacturing defects and to be able to withstand normal exposure to sunlight for a period of 20 years from the date of sale for normal use in approved applications in the U.S and Canada, excluding Hawaii. This warranty is effective for products sold and shipped from January 1, 2008 to December 31, 2008.

This Limited Warranty does not include damages or defects in the Raven geomembrane resulting from acts of God, casualty or catastrophe including but not limited to: earthquakes, floods, piercing hail, or tornadoes. The term "normal use" as used herein does not include, among other things improper handling during transportation, unloading, storage or installation, the exposure of Raven geomembranes to harmful chemicals, atypical atmospheric conditions, abuse of Raven geomembranes by machinery, equipment or people; improper site preparation or covering materials, excessive pressures or stresses from any source or improper application or installation. Raven geomembrane material warranty is intended for commercial use only and is not in effect for the consumer as defined in the Magnuson Moss Warranty or any similar federal, state, or local statues. The parties expressly agree that the sale hereunder is for commercial or industrial use only.

Should defects or premature loss of use within the scope of the above Limited Warranty occur, Raven Industries Inc. will, at its option, repair or replace the Raven geomembrane on a pro-rata basis at the then current price in such manner as to charge the Purchaser/User only for that portion of the warranted life which has elapsed since purchase of the material. Raven Industries Inc. will have the right to inspect and determine the cause of any alleged defect in the Raven geomembrane and to take appropriate steps to repair or replace the Raven geomembrane if a defect exists which is covered under this warranty. This Limited Warranty extends only to Raven's geomembrane, and does not extend to the installation service of third parties nor does it extend to materials furnished or installed by others in connection with the intended use of the Raven geomembranes.

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs:

In the event the exclusive remedy provided herein fails in its essential purpose, and in that event only, the Purchaser shall be entitled to a return of the purchase price for so much of the material as Raven Industries Inc. determines to have violated the warranty provided herein. Raven Industries Inc. shall not be liable for direct, indirect, special, consequential or incidental damages resulting from a breach of this warranty including, but not limited to, damages for loss of production, lost profits, personal injury or property damage. Raven Industries Inc. shall not be obligated to reimburse Purchaser for any repairs, replacement, modifications or alterations made by Purchaser unless Raven Industries Inc. specifically authorized, in writing, said repairs, replacements, modifications or alteration in advance of them having been made. Raven Industry's liability under this warranty shall in no event exceed the replacement cost of the material sold to the Purchaser for the particular installation in which it failed.

Raven Industries Inc. neither assumes nor authorizes any person other than the undersigned of Raven Industries Inc. to assume for it any other or additional liability in connection with the Raven geomembrane made on the basis of the Limited Warranty. The Limited Warranty on the Raven geomembrane herein is given in lieu of all other possible material warranties, either expressed or implied, and by accepting delivery of the material; Purchaser waives all other possible warranties, except those specifically given. This Limited Warranty may only be modified by written document mutually executed by Owner and Raven Industries Inc.

Limited Warranty is extended to the purchaser/owner and is non-transferable and non-assignable; i.e., there are no third-party beneficiaries to this warranty.

Purchaser acknowledges by acceptance that the Limited Warranty given herein is accepted in preference to any and other possible materials warranties.

THIS LIMITED WARRANTY SHALL BE GOVERNED BY SOUTH DAKOTA LAW AND VENUE FOR ALL LEGAL PROCEEDINGS IN CONNECTION WITH THIS LIMITED WARRANTY SHALL BE IN MINNEHAHA COUNTY, SOUTH DAKOTA. RAVEN INDUSTRIES INC. MAKES NO WARRANTY OF ANY KIND OTHER THAN THAT GIVEN ABOVE AND HEREBY DISCLAIMS ALL WARRANTIES, BOTH EXPRESSED OR IMPLIED, OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS IS THE ONLY WARRANTY THAT APPLIES TO THE MATERIALS REFERRED TO HEREIN AND RAVEN INDUSTRIES INC. DISCLAIMS ANY LIABILITY FOR ANY WARRANTIES GIVEN BY ANY OTHER PERSON OR ENTITY, EITHER WRITTEN OR ORAL.

RAVEN INDUSTRIES' WARRANTY BECOMES AN OBLIGATION OF RAVEN INDUSTRIES INC. TO PERFORM UNDER THE WARRANTY ONLY UPON RECEIPT OF FINAL PAYMENT AND EXECUTION BY A DULY AUTHORIZED OFFICER OF RAVEN INDUSTRIES INC.

## Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Maintenance and Operating Plan

In accordance with Rule 19.15.17 the following information describes the operation and maintenance of Below Grade Tank (BGT) on Burlington Resources Oil & Gas Company, LP (BR) locations. This is BR's standard procedure for all BGT. A separate plan will be submitted for any BGT which does not conform to this plan.

## General Plan:

- BR will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. BR will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the design plan.
- 2. BR will not discharge into or store any hazardous waste in the BGT.
- 3. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a below-grade tank to overflow. BR constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, BR shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. BR shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then BR shall remove all liquid above the damage or leak line within 48 hours. BR shall notify the appropriate district office. BR shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, BR shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. BR shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.

## Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on Burlington Resources Oil & Gas Company, LP locations hereinafter known as BR locations. This is BR's standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

## General Requirements:

- BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; and the chloride concentration, as determined by EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.
- 6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name

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- ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 9. The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. 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 maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation
  - Re-vegetation application rates and seeding techniques
  - Photo documentation of the site reclamation
  - Confirmation Sampling Results
  - Proof of closure notice