1625 N. French Dr., Hobbs, NM 88240	Fnero	State of New Mexico	Form C-14 July 21, 20
		Dartment	For temporary pits, closed-loop sytems, and below-grade
REGISTE	RED	-vation Division	tanks, submit to the appropriate NMOCD District Office.
		i St. Francis Dr. Sama re, NM 87505	For permanent pits and exceptions submit to the Santa Fe
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505			appropriate NMOCD District Office.
	Pit. Closed	-Loop System, Below-Grad	e Tank. or
Propos	sed Alternati	ve Method Permit or Closur	re Plan Application
Type of action:	X Permit of a	nit closed loop system below-grade t	tank or proposed alternative method
Type of action.	Closure of a	pit, closed-loop system, below-grade	tank, or proposed alternative method
		n to an existing permit	tank, or proposed attendative method
		n to an existing permit	tted or non normitted nit, closed loop system
	below-grade	e tank, or proposed alternative method	
Instructions: Please submit one	application (Form	n C-144) per individual pit, closed-lo	op system, below-grade tank or alternative reque
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 re	lieve the operator of its	responsibility to comply with any other applicable	governmental authority's rules, regulations or ordinances.
Derator: Burlington Resources	il & Cas Compa	ny I P	OGRID# 14538
Address: PO Box 4280 Farmingt	on NM 87400	uy, tr	OURID#. 14330
facility or well name: SAN IIIAN	27-5 UNIT 92N		
ADI Number	2002020906		
	3003929800		
J/L or Qtr/Qtr: L Section	ion: <u>6</u> 10	wnship: 27N Range:	5W County: Rio Arriba
Lenter of Proposed Design: Latitud	ie: <u>36.</u>	6016°N Longitude:	-107.40665°W NAD: X 1927 198.
Surface Owner: X Federal	State	Private Inbal Irust or India	
Temporary: Drilling Wo Permanent Emergency In Lined Unlined L String-Reinforced Liner Seams: Welded In	orkover Cavitation P& Liner type: Thick Factory Othe	A mess mil 🗌 LLDPE 🗌 r Volume:	HDPE PVC Other
Closed-loop System: Subsect Type of Operation: P&A	Drilling a new wound Steel Tanks	11 NMAC rell Workover or Drilling (Applies to notice of intent) Haul-off Bins Other	activities which require prior approval of a permit or
Lined Unlined Lin Liner Seams: Welded F	Factory Other		
Above Gro Lined Line Liner Seams: Welded IF	Factory Other Tof 19.15.17.11 N bbl Type of f detection X Visible side mil	MAC Iuid: <u>Produced Water</u> Metal Visible sidewalls, liner, 6-inch lift and aut walls only Other HDPE PVC XOther I	omatic overflow shut-off
Above Gro Lined Line Unlined Lin Liner Seams: Welded I	Factory Other Factory Other a I of 19.15.17.11 N bbl Type of f detection X Visible side mil equired. Exceptions	MAC MAC Iuid: <u>Produced Water</u> Metal Visible sidewalls, liner, 6-inch lift and autor walls only Other HDPE PVC XOther I	omatic overflow shut-off
Above Gro Lined Dulined Lin Liner Seams: Welded I Melded I Melded I Tank Construction material: Secondary containment with leak o Visible sidewalls and liner Liner Type: Thickness Alternative Method: Submittal of an exception request is re	Factory Other a I of 19.15.17.11 N bbl Type of f detection X Wisible side mil equired. Exceptions	MAC MAC luid: Produced Water Metal Visible sidewalls, liner, 6-inch lift and aut walls only Other HDPE PVC X Other I Some submitted to the Santa Fe Environ Oil Conservation Division	omatic overflow shut-off Unspecified

4

* State: Subsection C of 19.15.17.11 NMAC □ 17 X 247, 2* Cutoring, providing Operator's name, she location, and emergency telephone numbers. Number of incompliance with 19.15.1.03 NMAC 9 Maintistrative Approvals and Exerctions: Press check as the following it requested. If not leave black: □ Administrative approvals: Respects must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. 10 State: □ Administrative approvals: Respects must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 11 Criteria (regarding permitting: 10.15.17.10 NMAC State: State: Crigorian: Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. 10 State: □ Administrative appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. 11 State: □ Administrative appropriate division district of the Consideration of approval. 12 State: Criteria (regarding permitting: 10.17.10 NMAC State: NMAC State: Equivalent and administrative appropriate division district of a point and attrict approach. 13 Criteria (regarding permitting: 10.17.10 NMAC for guidance as the state of a continuous division district of a point administratin appricatin. If kerpinating: approvalis	b Pencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, 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, hospite Four foot height, four strands of barbed wire evenly spaced between one and four feet X Alternate. Please specify <u>4' hog wire fencing topped with two strands barbed wire.</u> 7 Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) X Sereen Other Other Monthly inspections (If netting or screening is not physically feasible)	d, institution or church)
Multidistrative Approvals and Excertions Justifications and/or demonstrations of capavalency are required. Please there is bot if one or more of the following is requested. If not leave blank: Multidistrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. Press checks a bot if one or more of the following is requested. If not leave blank: Multidistrative approval(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Determine the applications. The application is the submitted to the Santa Fe Environmental Bureau office for consideration of approval. Start Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The application must demonstration on the dimension of the same for the same for the same control of the same for the same for the same control of the same for the same diffication for exception with must be submitted to the Sama Fe Environmental Bureau Office for consideration of grapping and same base graduation of the temporary pli, permanent pli, or below-grade tank. Office of the State Engineer - WATERS database search: USGS; Data botained from nearby wells Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applict to temporary, energency, or cavitation plis and below-grade tanks) • Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within iso0 beet from a permanent residence	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 X Signed in compliance with 19.15.3.103 NMAC	
10 Sting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The application must demonstrate compliance for each stiing criteria below in the application. Recommendations of acceptable concernented are provided below. Requests regarding changes to certain stiing criteria may require administrative approval from the approval. Application must action of approval. Application must action for provide the state for an exception which must be submitted to the Santa Fe Emissionmental Bureau Office for consideration of approval. Application must action for progress. Please refer to 19.5.17.10 NMAC for guidance. Sitting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system. Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or helow-grade tank.	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: X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	consideration of approval.
appropriate district office or may be considered an exception which must be submitted to the South FC Environmental Bureau Uffice for consideration of approval. Applicant must attack justification for request. Please refer to 19.15.17.10 NMAC for guidance. Stiling criteria does not apply to drying pads or above grude-tanks associated with a closed-loop system. - NM Office of the State Engineer - iWATERS database search: USGS; Data obtained from nearby wells Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa Integraphic 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 application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) • Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) • Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 feet of a private, domestic fresh water well or spring, in existence at the time of initial application. (Applied to permanent pits) • Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 feet of a p	10 <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests compliance for each siting criteria below in the application. Recommendations of acceptable	
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Image: Control of the State Engineer - (WATERS database search: USGS; Data obtained from nearby wells Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Image: Control of the proposed site; Arrial photo; Satellite image Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Image: Control of Control of the proposed site; Aerial photo; Satellite image Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Image: Control of Control of Control of the proposed site; Aerial photo; Satellite image Within 1000 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. Image: Control of the state Engineer - (WATERS database search; Visual inspection (certification) of the p	appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa \[Yes \] No Index (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 \[Yes \] No \[Yes \] No (Applies to temporary, emergency, or cavitation pits and below-grade tanks) \[Name=1 \] NA . Visual inspection (certification) of the proposed site; Aerial photo; Satellite image \[Name=1 \] No (Applies to temporary, emergency, or cavitation pits and below-grade tanks) \[Name=1 \] NA . Visual inspection (certification) of the proposed site; Aerial photo; Satellite image \[Name=1 \] No (Applied to permanent pits) \[Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizonal 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. \[Yes \] No . NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the	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 XNo
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial Image: Ima	Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site	Yes XNo
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) NA	Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes XNo
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Image: Ima	(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site. Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division Within an unstable area 	Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits)	Yes No
 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 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 Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division Within a unstable area 	 Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 500 horizonal 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 that less than five households use for domestic or stock watering 	Yes XINo
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance Image: Section 3-27-3, as amended adopted pursuant to NMSA 1978, Section 3-27-3, as amended Image: Written confirmation or verification from the municipality; Written approval obtained from the municipality Image: Written confirmation or verification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. Image: Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division Within an unstable area Image: Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	 NM Office of the State Engineer - iWATERS database search: Visual inspection (certification) of the proposed site 	
Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. Yes Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality: Written approval obtained for a dependent of the	Yes XNo
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division Within an unstable area	 Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes XNo
Within an unstable area	Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes XNo
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes XNo
Within a 100-year floodplain - FEMA map Yes XNo	Within a 100-year floodplain - FEMA map	Yes XNo

[]]	
Tempo	rary Pits, Emergency Pits and Below-grade Tanks Perput Austingting Adv
Instruct	ions: Each of the following items must be attached to the application. Please indicate, by a check mark in the how down to a function.
	lydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsortius D. 5 to 45 and included.
	lydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19,15,17,0 NMAC
X S	Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 10:15-17.10 Subsection B of 19:15.17.9
X I	Design Plan - based upon the appropriate requirements of 19.15.17.10 NMAC
XC	Derating and Maintenance Plan - based upon the appropriate provide and the rest of the res
$\overline{\mathbf{X}}$	losure Plan (Please complete Boyer, 14 through 18, 16 - 17 - 17 - 17 - 17 - 17 - 17 - 17 -
I	9.15.17.9 NMAC and 19.15.17.13 NMAC
Previ	ously Approved Design (attach copy of design) API or Permit
12	O I CHIR
Instructie	1000 Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
G	eologic and Hydrogeologic Data (only for on site closure) by
	ting Criteria Compliance Demonstrations (and for a set of the requirements of Paragraph (3) of Subsection B of 19.15.17.9
Пр	esign Plan - based upon the appropriate requirements of 19.15.17.10 NMAC
По	persting and Maintananas Dise. A set to be a set of 19.15.17.11 NMAC
	Fraing and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
	osure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9
Previo	usly Approved Design (attach copy of design) API
Previo	usly Approved Operating and Maintenance Plan
13	
Permane	nt Pits Permit Application Checklist: Substition P of 10.16.17.0 March
Instruction	as: Each of the following items must be attached to the application. Block it is a start of the following items must be attached to the application.
🗌 Ну	drogeologic Report - based upon the requirements of Dereverse (1) 6.0.1
Sit	ing Criteria Compliance Demonstrations - based upon the analysis of Subsection B of 19.15.17.9 NMAC
🗋 Cli	matological Factors Assessment
Cei Cei	tified Engineering Design Plans - based upon the appropriate requirements of 10.15.17.11.015.1.7
🔲 Dik	e Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC
	k Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
L Lin	er Specifications and Compatibility Assessment - based upon the appropriate requirements of 10 15 17 11 515 17
U Qua	dity Control/Quality Assurance Construction and Installation Plan
	rating and Maintenance Plan - based upon the appropriate requirements of 19.15.17 [2 NMAC
I Free	board and Overtopping Prevention Plan - based upon the appropriate requirements of 19,15,17,11 NMAC
	sance or Hazardous Odors, including H2S, Prevention Plan
	rgency Response Plan
	rield Waste Stream Characterization
	atoring and Inspection Plan
	Ion Control Plan
	ure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
tructions.	20sure: 19.15.17.13 NMAC Please complete the applicable bares. Pares 14 therewell the
pe:	Drilling Workover The manager of the second se
	Alternative
posed Cl	osure Method: X Waste Excavation and Permoval
	Waste Removal (Closed-loop systems only)
	On-site Closure Method (only for temporary nite to dal
	In-place Burial (only for temporary pits and closed-loop systems)
	Alternative Closure Methods Transition
	- Internative Closure Method (Exceptions must be submitted to the Sente F. F.
	Fe Environmental Bureau for consideration)
nete Fran	ration and Remerch Charles The State of the
aste Exca	vation and Removal Closure Plan Checklist: (19:15:17:13 NMAC) Instructions: Each of the following items must be attached to the closure of the following items must be attached
aste Exca	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan.
aste Exca ase indica X Protoc	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. te, by a check mark in the box, that the documents are attached. rols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC mation Sampling Plan (if applicable), broad
Iste Exca Iste indicat Confu Confu	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. te, by a check mark in the box, that the documents are attached. rols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC mation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
aste Exca nse indica X Protoc Confu Confu Confu Confu Confu Confu Confu	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. te, by a check mark in the box, that the documents are attached. rols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC mation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC sal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)
aste Exca nse indicat X Protoc X Confu X Dispo X Soil B X Re-um	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. te, by a check mark in the box, that the documents are attached. rols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC mation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC sal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ackfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
aste Exca ase indica X Protoc X Confu X Dispo X Soil B X Soil B K Re-veg	vation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. te, by a check mark in the box, that the documents are attached. sols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC mation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC sal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) ackfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC getation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

Off Conservation Division

to <u>Waste Removal Closure For Closed-loop Systems That Utilize Above</u> Instructions: Please identify the facilities of Systems That Utilize Above	Fround Steel Tanks or Haul-off Bins Only (10.15.17.12.15.17.	
are required.	ids, drilling fluids and driff cuttings. Use attachment if more than	AC) Two facilities
Disposal Facility Name:	Disposal Facility Parmic #	
Disposal Facility Name:		
Will any of the proposed closed-loop system operations and associate Yes (If yes, please provide the information No	ed activities occur on or in areas that will not be used for fut	ure service and operations?
Required for impacted areas which will not be used for future service and the service of the se	perations: appropriate requirements of Subsection H of 19.15.17.13 N of Subsection I of 19.15.17.13 NMAC ints of Subsection G of 19.15.17.13 NMAC	МАС
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17 Instructions: Each siting criteria requires a demonstration of compliance in the clo certain string criteria may require administration on the states of the string criteria and the states of the string criteria and the string criteria and the string administration and the string criteria administration admini	.10 NMAC sure plan. Recommendations of acceptable source material areas with the	
for consideration of approval. Justifications and/or demonstrations of equivalency	trict office or may be considered an exception which must be submitted to are required. Please refer to 19.15.17.10 NMAC for guidance.	below, Requests regarding changes to) the Santa Fe Environmental Bureau office
NM Office of the State Engine and Automatical State	e.	
- WATERS database search; USGS	Data obtained from nearby wells	
Ground water is between 50 and 100 feet below the bottom of the bur	ied waste	
 NM Office of the State Engineer - iWATERS database search; USGS; 	Data obtained from nearby wells	
Ground water is more than 100 feet below the bottom of the buried wa	iste.	
 NM Office of the State Engineer - iWATERS database search; USGS; Within 300 feet of a continuously flowing and in 	Data obtained from nearby wells	Yes No
 (measured from the ordinary high-water mark). Topographic map: Visual inspection (certification) of the propagad is 	er significant watercourse or lakebed, sinkhole, or playa lake	Yes No
Within 300 feet from a permanent residence school hospital institution		
- Visual inspection (certification) of the proposed site; Aerial photo; satelli	hurch in existence at the time of initial application. te image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring tha purposes, or within 1000 horizontal fee of any other fresh water well or spring NM Office of the State Engineer - iWATERS database: Visual inspection	t less than five households use for domestic or stock watering in existence at the time of the initial application. (certification) of the proposed size	Yes No
within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978. Section 3-27-3, as amended. Written confirmation or verification from the municipal free Mul-	water well field covered under a municipal ordinance adopted	Yes No
Within 500 feet of a wetland	oval obtained from the municipality	
 US Fish and Wildlife Wetland Identification map: Topographic map; Vis Within the area overlying a subsurface mine 	ual inspection (certification) of the proposed site	Yes No
- Written confiramtion or verification or map from the NM EMNRD-Minin Vithin an unstable area	g and Mineral Division	Yes No
 Engineering measures incorporated into the design; NM Bureau of Geolog Topographic map Vithin a 100-year floodplain 	y & Mineral Resources: USGS: NM Geological Society:	Yes No
- FEMA map		Yes No
8 Dn-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions	Frank of the second sec	
y a check mark in the box, that the documents are attached.	cach of the following tems must bee attached to the closur	e plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appro	priate requirements of 19.15.17.10 NMAC	
Grant and the second se	ements of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based up	on the appropriate requirements of 19.15.17.11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of a	drying pad) - based upon the appropriate requirements of 19	15.17.11 NMAC
Confirmation Sampling Plan (5 - b)	s of 19.15.17.13 NMAC	A STATE OWINC
Waste Material Sampling Plan (if applicable) - based upon the approp	priate requirements of Subsection F of 19,15,17,13 NMAC	
Disposal Facility Name and Participation in a second participation of the second parti	ments of Subsection F of 19.15.17.13 NMAC	
Soil Cover Design - based upon the appropriate requirements of Sul	ids and drill cuttings or in case on-site closure standards cann ssection H of 19.15.17.13 NMAC	ot be achieved)
Site Performation Plan - based upon the appropriate requirements of Su	bsection I of 19.15.17.13 NMAC	

Onerator Application				
- PERMANA ADDREAUOD	Certification:			
Hereby certify that the in	formation submitted with this appli	ication is true accurate	and complete to the l	had of an he out to the the
Name (Print):	Crystal Tafaxa	A	Title:	Desired any Knownedge and Defiel.
Simpline		TO		Regulatory Technician
orgianne.	april 1	aprila	Date:	12/22/2008
e-mail address:	prystal taloya & conocouni	lips.com	Telephone:	505-326-9837
20 OCD Approval:	Dermit Application (industrian st.			
OCD Approval.	rering Application (including clo	sure plan) C	losure Plan (only)	OCD Conditions (see attachment)
OCD Representative	Signature:			Approval Date:
Titler				
1 me.			OCD Permi	it Number:
21				
Closure Report (requi	red within 60 days of closure c	ompletion): Subsection	K of 19-15-17-13 NMAC	
Instructions: Operators a	e required to obtain an approved cl	osure plan prior to imp	lementing any closur	e activities and submitting the closure report. The closure
report is required to be su approved closure plan ha	bmitted to the division within 60 day sheen obtained and the slowing unit	vs of the completion of	the closure activities.	Please do not complete this section of the form until an
approva cosare planau.	ocen oblanea ana me ciosure acia	vittes have been comple	eted.	
			Closure	Completion Date:
22				
Closure Method:				
Waste Excavation	and Removal On-site Cl	losure Method	Alternative Closure M	Aethod Waste Removal (Closed-loop systems only)
If different from a	proved plan, please explain.			
23				
Closure Report Regardin	g Waste Removal Closure For Clo	sed-loop Systems The	t Utilize Above Gro	und Steel Tanks or Haul-off Ring Only.
Instructions: Please ident	fy the facility or facilities for where	e the liquids, drilling fl	uids and drill cutting	as were disposed. Use attachment if more than two facilities
Nere utilized.				
Disposal Facility Name			Disposal Facility P	ermit Number:
Ware the alcosed last			Disposal Facility Po	ermit Number:
Vos (If ves planea	stem operations and associated activ	vities performed on or i	n areas that will not	be used for future service and opeartions?
D Fearin yes, piease	compliante to the items			
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	chment Checklist: Instructions: ents are attached. Notice (surface owner and divisio, tice (required for on-site closure) ite closures and temporary pits)	Each of the following	items must be attach	ed to the closure report. Please indicate, by a check mark in
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New Mexico Office of the State Engineer POD Reports and Downloads
Township: 27N Range: 05W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) CNon-Domestic CDomestic All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help
WATER COLUMN REPORT 08/20/2008

	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)									Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	g	q	g	Zone	х	Y	Well	Water	Column	
RG 81026	27N	05W	27	4	4	3				460	186	274	
SJ 00199	27N	05W	03	2	1					1840			
SJ 00046	27N	05W	04	4	4					506	260	246	

Record Count: 3

New Mexico Office of the State Engineer POD Reports and Downloads

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Township: 28N Range: 06W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help

WATER COLUMN REPORT 08/20/2008

	(quarter	s are	e 1=)	NW	2=	=NE	3=SW -	4=SE)					
	(quarter	s ar	e bi	gge	est	t to	smal	lest)		Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	P	P	Q	Zone	X	Y	Well	Water	Column	
SJ 03700 POD1	28N	06W	12	2	2	4				450	200	250	
SJ 03675	28N	06W	14	4	3	4	С	153167	2059732	420	100	320	
SJ 03700	28N	06W	21	.2	4	4				450	200	250	
SJ 03043	28N	06W	21	4	2	2				290	240	50	
SJ 03005	28N	06W	21	4	2	2				245	175	70	
SJ 03443	28N	06W	22	3	3	3				300			
SJ 00200	28N	06W	23	3	3					1551			
SJ 03091	28N	06W	29	2	2	3				150	90	60	

Record Count: 8

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New Mexico Office of the State Engineer POD Reports and Downloads
Township: 27N Range: 06W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic C All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form iWATERS Menu Help
WATER COLUMN REPORT 08/20/2008

	(quarter (quarter	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)								Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	P	P	g	Zone	х	Y	Well	Water	Column	
SJ 03001	27N	06W	07	2	2	1				141	41	100	
SJ 02403	27N	06W	30	3	1	3				505	300	205	
SJ 00213	27N	06W	32	1	4	4				1308	485	823	
SJ 00062	27N	06W	32	3	3	3				452	301	151	
SJ 00061	27N	06W	32	3	3	3				445	301	144	

Record Count: 5

New Mexico Office of the State Engineer POD Reports and Downloads											
Township: 28N Range: 05W Sections:											
NAD27 X: Y: Zone: Search Radius:											
County: Basin: Number: Suffix:											
Owner Name: (First) (Last) CNon-Domestic Domestic • All											
POD / Surface Data Report Avg Depth to Water Report Water Column Report											
Clear Form iWATERS Menu Help											

WATER COLUMN REPORT 08/20/2008

	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest))		Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	Ø	g	P	Zone	x	Y	Well	Water	Column	
SJ 01893	2.8N	.05W	18	4						390	290	100	
SJ 00047	2.8N	05W	28							465	265	200	
SJ 00036	28N	05W	28	3						303	243	60	

Record Count: 3





Mines, Mills and Quarries Web Map

SAN JUAN 27-5 UNIT 82N

Unit Letter: L, Section: 06, Town: 027N, Range: 005W





SAN JUAN 27-5 UNIT 82N

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 27-5 UNIT 82N', which is located at 36.6016 degree, North latitude and 107.40665 degree, West longitude. This location is located on the Santos Peak 7.5' USGS topographic quadrangle. This location is in section 6 of Township 27 North Range 6 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 Turley, located 23.2 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 45.3 miles to the west (National Atlas). The nearest highway is US Highway 64, located 5.8 miles to the north. The location is on BLM land and is 3,365 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 as Inter-Mountain Basins Semi-Desert Shrub Steppe as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 279 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 NM State Engineer's iWaters Database for wells near the proposed site are attached. The nearest stream is 1,249 feet to the northwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 3,038 feet to the southeast. The nearest water body is 2,972 feet to the southeast. It is classified by the USGS as an intermittent lake and is 0.4 acres in size. The nearest spring is 21,950 feet to the north. 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 10,381 feet to the south. The nearest wetland is a 3.0 acre Ravine located 5,469 feet to the northwest. The slope at this location is 1 degree, to the southwest 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. The soil at this location is 'Orlie fine sandy loam, 1 to 8 percent slopes' and is well drained and not hydric with moderate erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 16.5 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 Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies 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 feet 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 gallons per minute. Most of the wells provide water for livestock and domestic use. The San Jose 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 recharge 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.

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 J30BB J36BE J45BE Min. Roll Typical Roll Min. Roll Typical Roll Min. Roll Averages Typical Roll Averages Averages Averages Appearance Averages Averages 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 ASTM D 5261 140 lbs (oz/yd²) 151 lbs 168 lbs 189 lbs (18.14)210 lbs (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 ibs 25 lbs 31 lbs 1" Tensile Strength 88 lbf MD 110 Ibf MD **ASTM D 7003** 90 lbf MD 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 Break % (Film Break) ASTM D 7003 750 MD 550 MD 550 MD 550 DD 750 MD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD Peak % (Scrim Break) **ASTM D 7003** 20 MD 30 MD 20 MD 20 DD 36 MD 33 DD 20 DD 31DD 20 DD 36 DD Tongue Tear Strength 75 lbf MD 97 lbf MD **ASTM D 5884** 75 lbf MD 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 ASTM D 7004 180 lbf MD 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 Trapezoid Tear 120 lbf MD 146 lbf MD **ASTM D 4533** 130 lbf MD 189 lbf MD 160 lbf MD 193 lbf MD 120 lbf DD 141 lbf DD 130 lbf DD 172 lbf DD 160 lbf DD 191 lbf DD * Dimensional Stability ASTM D 1204 <1 <0.5 <1

64 lbf

180° F

-70° F

MD = Machine Direction

Puncture Resistance

Maximum Use Temperature

Minimum Use Temperature

DD = Diagonal Directions

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

65 lbf

180° F

-70° F

< 0.5

83 lbf

180° F

-70° F

*Dimensional Stability Maximum Value

50 lbf

180° F

-70° F

ASTM D 4833

**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.

THEEL RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO: no guarantee of satisfactory results from reliance upon contained information or recommendations and

RAVEN INDUSTRIES

Sioux Falls, South Dakota

SALES OFFICE

<1

80 lbf

180° F

-70° F

< 0.5

99 lbf

180° F

-70° F

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





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, at its 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 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 associated with the site inspection.

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:

- 1. 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 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 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 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, nonwaste 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
 - i. Operator's name
 - 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 belowgrade 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