Dis	District I 1625 N French Dr., Hobbs, NM 88240 *		Is and Natural Resources ment	Form C July 21 For temporary pits, closed-loop sytems, and below-gra		
13C	REGISTER	ED	-ion Division Francis Dr	tanks, submit to the appropriate NMOCD District Office.		
District IV			M 87505	For permanent pits and exceptions submit to the Santa Environmental Bureau office and provide a copy to the		
1220 S. St. Francis D	r., Santa Fe. NM 87505			appropriate NMOCD District Office.		
	\underline{P}	it, Closed-Loop S	System, Below-Grad	e Tank, or		
	Proposed	Alternative Meth	nod Permit or Closur	re Plan Application		
	Type of action:	Permit of a pit, closed	-loop system, below-grade t	ank, or proposed alternative method		
	Ļ	Closure of a pit, close	d-loop system, below-grade	tank, or proposed alternative method		
	Ļ	Modification to an exi	isting permit			
	L	Closure plan only sub	mitted for an existing permi	tted or non-permitted pit, closed-loop system,		
Instructions	Plaasa submit ona anni	lication (Form C-144)	ner individual nit closed-lo	on system helow-grade tank or alternative rec		
Pleas environ	e be advised that approval of this ment. Nor does approval relieve	s request does not relieve the op the operator of its responsibility	perator of liability should operations r y to comply with any other applicable	result in pollution of surface water, ground water or the governmental authority's rules, regulations or ordinances.		
] Operator: Burl	ington Descurges Oil &	Cas Company I P		OGRID#: 14538		
Address POF	lox 4289 Farmington	NM 87400				
Facility or well	name: SAN IIIAN 29-4	6 UNIT 165M				
A DI Number	200	2025624	OCD Permit Numbe			
	JUC.	30 Tourshin	28N Dange	6W County: Die Arribe		
Center of Propo	ed Design: Latitude:	36 62047°N	Longitude:	-107 502229W NAD: V1027		
Surface Owner:	V Foderal		Tribal Trust or India	-107.50222 W NAD. A 1927		
Permanent Lined String-Reinf Liner Seams:	Emergency Cavit Unlined Liner Forced Welded Facto	tation P&A type: Thickness ry Dther	mil LLDPE Volume:	HDPE PVC Other		
3 Type of Operat Drying Pa Lined Liner Seams:	op System: Subsection ion: P&A D id Above Ground S Unlined Liner type Welded Facto	H of 19.15.17.11 NMAC rilling a new well w nc Steel Tanks Haul-of pe: Thickness ry Other	/orkover or Drilling (Applies to otice of intent) ff Bins Other mil LLDPE H	activities which require prior approval of a permit of		
	pop System: Subsection ion: P&A D id Above Ground ! Unlined Liner type Welded Facto ide tank: Subsection l of 120 bbl ion material:	H of 19.15.17.11 NMAC rrilling a new well W nc Steel Tanks Haul-of pe: Thickness ry Other 19.15.17.11 NMAC Type of fluid: Pr Metal tion X Visible side	/orkover or Drilling (Applies to otice of intent) ff Bins Other	activities which require prior approval of a permit of		
Closed-le Type of Operat Drying Pa Lined Liner Seams:	pop System: Subsection ion: P&A D id Above Ground ! J Unlined Liner ty Welded Facto ide tank: Subsection l of 120 bbl ion material: ontainment with leak detec lewalls and liner Image: Comparison of the comparis	H of 19.15.17.11 NMAC rilling a new well w steel Tanks Haul-of pe: Thickness ry Other 19.15.17.11 NMAC Type of fluid: Pr Metal tion X Visible side Visible sidewalls only mil HDPE	/orkover or Drilling (Applies to otice of intent) ff Bins Other	activities which require prior approval of a permit of		
	Dop System: Subsection ion: P&A D ad Above Ground ! J Unlined Liner ty; Welded Facto ide tank: Subsection 1 of 120 bbl ion material: bbl ontainment with leak detec lewalls and liner Thickness ve Method:	H of 19.15.17.11 NMAC prilling a new well w Steel Tanks Haul-of pe: Thickness ry Other 19.15.17.11 NMAC Type of fluid: Pr Metal tion X Visible side Visible sidewalls only mil HDPE	/orkover or Drilling (Applies to otice of intent) ff Bins Other	activities which require prior approval of a permit of		
	pop System: Subsection ion: P&A D id Above Ground ! J Unlined Liner tyj Welded Facto ide tank: Subsection l of 120 bbl ion material: ontainment with leak detect lewalls and liner Thickness ve Method: exception request is required	H of 19.15.17.11 NMAC prilling a new well W nc Steel Tanks Haul-of pe: Thickness ry Other 19.15.17.11 NMAC Type of fluid: Pr Metal tion X Visible side Visible sidewalls only mil HDPE ed. Exceptions must be su	/orkover or Drilling (Applies to otice of intent) ff Bins Other	activities which require prior approval of a permit of ADPE PVD Other		

.

6										
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)										
Chan link six feet in height, two strands of barbed mize at top (Perman 170), and the tage for the tage for the										
Four foot height, four strands of barbed wire evenly spaced between one and four feet	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										
X Signed in comphance with 19.15.3.103 NMAC										
9 Administrative Amenvals and Excertions										
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 c	onsideration of approval.									
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval										
Siting Criteria (regarding permitting): 19.15.17.10 NMAC										
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable										
source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the 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										
the apply to a ying paus of above graderanks associated with a closed-toop system.										
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 of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	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										
application.	Yes XNo									
(Applies to temporary, emergency, or cavitation pits and helow-grade tanks)	NA									
- Visual inspection (certification) 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.	Yes No									
(Applied to permanent pits) Visual inspection (contification) of the annound visual visual to the fluctuity of the second visual visua	XNA									
Within 500 herizonal fact of a private demostic fract water well as a final that is a final state of a private demostic fract water well										
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 purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.	Yes X 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	Yes XINo									
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.	Yes XINO									
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site										
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNED - Minime and Minime	Yes XNo									
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										
Within a 100-year floodplain	Yes XNo									
- гома тар										

 Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. X Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC 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 upon the appropriate requirements of 19.15.17.10 NMAC X Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC X 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
or Permit
Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC bistructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Previously Approved Operating and Maintenance Plan API
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Ccritified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assersment - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Preceboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Muisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Errosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.13 NMAC
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. Type: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System Alternative Proposed Closure Method: X Waste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Alternative 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 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached. 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 Subsection F of 19.15.17.13 NMAC X Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) X Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC X Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC X Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16 <u>Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:</u> (19.1) Instructions: Please identify the facility or facilities for the dispared of liquids, deiling thick, and both antiferent to see the second steel of the second steel	5.17 13.D NMAC)
are required.	nt ij more man two facilities
Disposal Facility Name: Disposal Facility Permit #:	
Disposal Facility Name: Disposal Facility Permit #;	
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not h Yes (If yes, please provide the information No	e used for future service and operations?
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	19.15.17.13 NMAC
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source mate certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which me for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for gu	rial are provided below. Requests regarding changes to st be submitted to the Santa Fe Environmental Bureau office idance.
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 obtained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No
- 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 waste.	
- 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 significant watercourse or lakebed, sinkhole, or (measured from the ordinary high-water mark).	playa take
· 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 application, • Visual inspection (certification) of the proposed site: Aerial photo; satellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or sto purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database: Visual inspection (certification) of the proposed site	ck watering
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordina pursuant to NMSA 1978, Section 3-27-3, as amended.	Ince adopted Yes No
Within 500 feet of a wetland	
- US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.	TYes TNo
- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	
 Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources: USGS; NM Geological S 	Society:
Within a 100-year floodplain.	
- FEMA map	
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attach by a check mark in the box, that the documents are attached.	ned to the closure plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NM.	AC
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17	.11 NMAC
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate re	quirements of 19.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15	.17.13 NMAC
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMA	с
Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closu	re standards cannot be achieved)
Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Ke-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection C of 10.15.17.13 NMAC	
La custo apon de appropriate requirements of Subsection O of 19.15.17.15 NMAC	

.

ſ

Operator Application (Unerchy certify that the info	Certification:			
	ormation submitted with this application is true a	counte and coundstate to the k		
Name (Print):	Crystal Tafoya	Title:	Regulatory Tacksing	
Signature:	Cupter Johnson	Date		
e-mail address:	Invitat taleva & consectionis com	Telephone:	505.224.0927	
		reicphone.		
20				
OCD Approval:	ermit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative Si	gnature:		Approval Data	
Fither			Approvar Date.	
		OCD Permi	t Number:	
21 Closure Report (require Instructions: Operators are report is required to be sub- approved closure plan has h	ed within 60 days of closure completion): so required to obtain an approved closure plan prio- mitted to the division within 60 days of the comple been obtained and the closure activities have been	ubsection K of 19.15.17.13 NMAC r to implementing any closur ction of the closure activities, a completed.	e activities and submitting the closure report. The closure Please do not complete this section of the form until an Completion Date:	
22				
Closure Method:				
Waste Excavation at	nd Removal On-site Closure Method	Alternative Closure M	lethod Waste Removal (Closed-loop systems only)	
If different from app	proved plan, please explain.			
23				
Instructions: Please identify	Waste Removal Closure For Closed-loop System the facility or facilities for where the liquids dr	ms That Utilize Above Grou	and Steel Tanks or Haul-off Bins Only:	
were utilized.	, and year of the sequences, as	ming futus and whit cutting	s were asposed. Use attachment if more than two facilities	
Disposal Facility Name:		Disposal Facility P	ermit Number:	
Disposal Facility Name:		Disposal Facility Po	ermit Number:	
Were the closed-loop syst	tem operations and associated activities performed	d on or in areas that will not	be used for future service and opeartions?	
Test in yes, pieuse de	(monstrate compitatie to the iterits below)	I INO		
Paguinal for improved on	and which will and be used for for			
Required for impacted an	eas which will not be used for future service and a noto Documentation)	operations:		
Required for impacted an Site Reclamation (Ph Soil Backfilling and	eas which will not be used for future service and a noto Documentation) Cover Installation	operations:		
Required for impacted ar. Site Reclamation (Ph Soil Backfilling and C Re-vegetation Applic	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique	operations:		
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique	operations:		
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic	eas which will not be used for future service and a noto Documentation) Cover Installation action Rates and Seeding Technique	operations:	ed to the closure report. Please indicate, by a check mark in	
	eas which will not be used for future service and a noto Documentation) Cover Installation eation Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the follows at are attached.	operations:	ed to the closure report. Please indicate, by a check mark in	
	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol nots are attached. Dotice (surface owner and division) ce (required for on-site closure)	operations:	ed to the closure report. Please indicate, by a check mark in	
	eas which will not be used for future service and a noto Documentation) Cover Installation station Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- nts are attached. Dotice (surface owner and division) ce (required for on-site closure) e closures and temporary nits)	operations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic Re-vegetation Applic Proof of Closure No Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Same	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol notice (surface owner and division) are (required for on-site closure) are closures and temporary pits) using Analytical Pasults (if applicable)	operations:	ed to the closure report. Please indicate, by a check mark in	
	eas which will not be used for future service and a noto Documentation) Cover Installation sation Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol notice (surface owner and division) are attached. Dotice (surface owner and division) are (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) appling Analytical Results (if applicable)	operations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na	eas which will not be used for future service and a noto Documentation) Cover Installation sation Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol notice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) appling Analytical Results (if applicable) are and Permit Number	operations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and	eas which will not be used for future service and a noto Documentation) Cover Installation station Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- nts are attached. Dice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) appling Analytical Results (if applicable) arme and Permit Number	uperations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attact the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) are attached. otice (surface owner and division) are closures and temporary pits) bling Analytical Results (if applicable) appling Analytical Results (if applicable) are and Permit Number Cover Installation ication Rates and Seeding Technique	Diperations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (PP	eas which will not be used for future service and a noto Documentation) Cover Installation action Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- nts are attached. Dice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) npling Analytical Results (if applicable) ame and Permit Number I Cover Installation ication Rates and Seeding Technique thoto Documentation)	operations:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Pl On-site Closure Loc	eas which will not be used for future service and a noto Documentation) Cover Installation sation Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol ints are attached. Dotice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) inpling Analytical Results (if applicable) ame and Permit Number I Cover Installation iccation Rates and Seeding Technique thoto Documentation) ation: Latitude:	longinule:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 the box, that the document Proof of Closure No Proof of Deed Notic Plot Plan (for on-site Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Ph On-site Closure Loc	eas which will not be used for future service and a noto Documentation) Cover Installation station Rates and Seeding Technique <u>hment Checklist:</u> Instructions: Each of the fol- nts are attached. Dice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) appling Analytical Results (if applicable) ame and Permit Number Cover Installation iscation Rates and Seeding Technique thoto Documentation) ation: Latitude:	Longitude:	ed to the closure report. Please indicate, by a check mark in	
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attact the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Pl On-site Closure Loc	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique <u>hment Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) ace (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) appling Analytical Results (if applicable) ame and Permit Number Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude:	Longitude:	ed to the closure report. Please indicate, by a check mark inNAD19271983	1
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Ph On-site Closure Loc	eas which will not be used for future service and a noto Documentation) Cover Installation action Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) ace (required for on-site closure) are closures and temporary pits) Using Analytical Results (if applicable) appling Analytical Results (if applicable) anne and Permit Number I Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude:	llowing items must be attach	ed to the closure report. Please indicate, by a check mark inNAD19271983	
	eas which will not be used for future service and a noto Documentation) Cover Installation cation Rates and Seeding Technique <u>hment Checklist:</u> Instructions: Each of the fol- nts are attached. otice (surface owner and division) ce (required for on-site closure) e closures and temporary pits) bling Analytical Results (if applicable) angling Analytical Results (if applicable) ane and Permit Number Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude:	e report is ture, accurate and	ed to the closure report. Please indicate, by a check mark in NAD 1927 1983 complete to the best of my knowledge and belief. I also certify the	ut
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack ihe box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Pl On-site Closure Loc 25 Deerator Closure Certific hereby certify that the inform	eas which will not be used for future service and a noto Documentation) Cover Installation cation Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) and Analytical Results (if applicable) and and Permit Number Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude: <u>Cation:</u> mation and attachments submitted with this closure applicable closure requirements and conditions sp	Dependions:	ed to the closure report. Please indicate, by a check mark in NAD 1927 1983 complete to the best of my knowledge and belief. I also certify that re plan.	ut
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Ph On-site Closure Loc Sperator Closure Certific hereby certify that the inform the closure complies with all a lame (Print):	eas which will not be used for future service and a noto Documentation) Cover Installation ration Rates and Seeding Technique <u>hment Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) appling Analytical Results (if applicable) ame and Permit Number Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude: <u>cation:</u> mation and attachments submitted with this closure applicable closure requirements and conditions sp	Longitude: Longitude: report is ture, accurate and pecified in the approved closu Title:	ed to the closure report. Please indicate, by a check mark in NAD 1927 1983 complete to the best of my knowledge and belief. I also certify that re plan.	ut
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack Proof of Closure Ne Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Site Reclamation (Pl On-site Closure Loc 5 Derator Closure Certific hereby certify that the inform te closure complies with all a lame (Print): ignature:	eas which will not be used for future service and a noto Documentation) Cover Installation action Rates and Seeding Technique <u>butter Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) ce (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) appling Analytical Results (if applicable) arme and Permit Number I Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude: <u>cation:</u> mation and attachments submitted with this closure applicable closure requirements and conditions sp	Longitude:	ed to the closure report. Please indicate, by a check mark in NAD 1927 1983 complete to the best of my knowledge and belief. I also certify that re plan.	ut
Required for impacted ar Site Reclamation (Ph Soil Backfilling and (Re-vegetation Applic 24 Closure Report Attack the box, that the documer Proof of Closure No Proof of Deed Notic Plot Plan (for on-sit Confirmation Samp Waste Material Sam Disposal Facility Na Soil Backfilling and Re-vegetation Appli Stite Reclamation (Pl On-site Closure Loc S Derator Closure Certific hereby certify that the inform te closure complies with all a 'ame (Print): ignature:	eas which will not be used for future service and a noto Documentation) Cover Installation station Rates and Seeding Technique <u>homent Checklist:</u> Instructions: Each of the fol- notice (surface owner and division) are attached. otice (surface owner and division) are (required for on-site closure) are closures and temporary pits) bling Analytical Results (if applicable) and Analytical Results (if applicable) and and Permit Number Cover Installation ication Rates and Seeding Technique thoto Documentation) ation: Latitude: <u>Cation:</u> mution and attachments submitted with this closure ipplicable closure requirements and conditions sp	Longitude: Longitude: Title: Date:	ed to the closure report. Please indicate, by a check mark in NAD 1927 1983 complete to the best of my knowledge and belief. I also certify that re plan.	ut

.

,

,

1

.

New Mexico Office of the State Engineer POD Reports and Downloads

-
Township: 28N Range: 06W 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

	(quarter:	s are	9 1=1	NW	2=	=NE	3=SW 4	4=SE)					
	(quarter:	s are	e big	gge	est	to:	smal	lest)		Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	q	q	P	Zone	х	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

New Mexico Office of the State Engineer

Page	1	of	1
· · · · · · · · · · · · · · · · · · ·			

,		New M P	<i>exico O</i> OD Rep	<i>ffice of tl</i> orts and	he State E Downloa	<i>ngineer</i> ds				
,	Township: 28	N Range:	07W	Sectior	ns:					
NA	D27 X:	Y:		Zone		Sear	ch Radiu	s:	1	
County:	T I	Basin:			N N	umber:		Suffix:		
Owner Name:	(First)		(Last)		1	C Non-I	Domestic	C Dom	estic @	All
POD / S	Surface Data Re	eport	Avç	g Depth to	Water Rep	oort	Wat	er Column	Report	
		Clear F	orm	iWATE	RS Menu	Help	I			
			WATER	COLUMN	REPORT	08/20/20	08			
	(quarter: (quarter:	s are 1=NW s are bigg	2=NE est to	3=SW 4=S smalles	SE) St)		Depth	Depth	Water	(in
POD Number	Tws	Rng Sec q	a a	Zone	x	Y	Well	Water	Column	
SJ 03116	28N	07W 21 3	33				98	20	78	
Record Count .	2									

Record Count: 2



AERIAL MAP **SAN JUAN 28-6 UNIT 165M**



8/08

Mines, Mills and Quarries Web Map

SAN JUAN 28-6 UNIT 165M

Unit Letter: I, Section: 30, Town: 028N, Range: 006W





SAN JUAN 28-6 UNIT 165M

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 28-6 UNIT 165M', which is located at 36.62947 degrees North latitude and 107.50222 degrees West longitude. This location is located on the Delgadito Mesa 7.5' USGS topographic quadrangle. This location is in section 30 of Township 28 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 17.6 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 39.7 miles to the west (National Atlas). The nearest highway is US Highway 64, located 4.9 miles to the north. The location is on BLM land and is 4,141 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 2028 meters or 6651 feet above sea level and receives 12.5 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinion-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 430 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 987 feet to the east and is classified by the USGS as an intermittent stream. The nearest perrenial stream is 3,096 feet to the northeast. The nearest water body is 3,096 feet to the northeast. It is classified by the USGS as an intermittent lake and is 0.3 acres in size. The nearest spring is 6,497 feet to the west. 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 4,714 feet to the west. The nearest wetland is a 2.9 acre Freshwater Forested/Shrub Wetland located 4,694 feet to the south. The slope at this location is 2 degrees to the southeast 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 16.9 miles to the northeast 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 aguifer 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.
- 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		308 8	A STATES	B6BE		J4588		
and the standing of the set of the		Min. Roll Averages	Typical Roll Averages	Min. Rolf Averages	Typical Rol Averages	Min. Roll	Typical Roll		
Appearance		Bla	ck/Black	Blac	k/Black	Blac	k/Black		
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	15		
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21,74)	168 lbs (24 19)	189 lbs	210 lbs		
Construction	1	**Ext	rusion laminate	d with encapsul	ated tri-directio		(30.24)		
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbc		
1* Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD		
1" Tensile Elongation @ Break. % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD		
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD		
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 Ibf MD 90 Ibf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD		
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD		
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD		
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	10110100		
Punctura Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83.lbf	90 164			
Maximum Use Temperature		180° F	180° F	180° F	190% 5		99 lbt		
Minimum Use Temperature		-70° F	-70° 5	70° F	180° F	180° F	180° F		
			-70 1	-/U F	-70° F	-70° F	-70° F		

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.

*Dimensional Stability Maximum Value

**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.

1939. SAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, do guarantee of satisfactory results from Jusance upon contained information or recommendations and ase aims all lacenty for resulting loss or damage.



PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

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 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 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:

- 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 o f19.15.17.11 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 division approves, does not exceed 100 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.
- 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
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and AP1 number.
- 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