<u>District I</u> 1625 N. Franch Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-14 July 21, 200 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1220 S. St. Francis Dr., Santa Fe, NM 87505	Pit, Closed-Loop System, Below-Grad	le Tank, or
Propos	sed Alternative Method Permit or Closu	
	-	
Type of action:	X Permit of a pit, closed-loop system, below-grade Closure of a pit, closed-loop system, below-grade Modification to an existing permit	
	Closure plan only submitted for an existing perm below-grade tank, or proposed alternative method	
Please be advised that approval	application (Form C-144) per individual pit, closed-lo of this request does not relieve the operator of liability should operations lieve the operator of its responsibility to comply with any other applicabl	result in pollution of surface water, ground water or the
1 Operator: Burlington Resources O Address: PO Box 4289, Farmingt		OGRID#: 14538
Facility or well name: SANCHEZ		
	3003921968 OCD Permit Numb	er:
U/L or Qtr/Qtr: L Section Center of Proposed Design: Latitud Surface Owner: X Federal		6W         County:         Rio Arriba           -107.49706°W         NAD: X 1927         1983           in Allotment
Permanent Emergency Lined Unlined L String-Reinforced	17.11 NMAC         rkover         Cavitation P&A         .iner type: Thickness mil LLDPE         Factory Other Volume:	HDPE PVC Other
Type of Operation: P&A [ Drying Pad Above Gro Lined Unlined Lin	tion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) und Steel Tanks Haul-off Bins Other er type: Thickness mil LLDPE I factory Other	o activities which require prior approval of a permit or
4       X       Below-grade tank:       Subsection         Volume:       120       I         Tank Construction material:       I       I         Secondary containment with leak d       I       Visible sidewalls and liner         Liner Type:       Thickness	bbl Type of fluid: Produced Water Metal letection X Visible sidewalls, liner, 6-inch lift and aut Visible sidewalls only Other	omatic overflow shut-off
5 Alternative Method: Submittal of an exception request is re	equired. Exceptions must be submitted to the Santa Fe Enviro	

16		
Fencing: 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, hospital, in	stitution or chi	urch)
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.		15. 20
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)	the star	100
	12.3	2.0
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	-	
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 con (Fencing/BGT Liner)	sideration of a	pproval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
0	1	-
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 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 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 lake (measured from the ordinary high-water mark).         - Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
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 below-grade tanks)	<b>NA</b>	
- 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)	XNA	1
- 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	XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	XNo
Within 500 feet of a wetland.         -       US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	XNo
<ul> <li>Within the area overlying a subsurface mine.</li> <li>Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division</li> </ul>	Yes	XNo
Within an unstable area.	TYes	XNo
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>		
Within a 100-year floodplain - FEMA map	Yes	XNo

			ttachment Checklist: Subsection B of 19.15.17.9 NMAC e, by a check mark in the box, that the documents are attached.
X Hydrogeologic Rep		17-2	Paragraph (4) of Subsection B of 19.15.17.9 NMAC
			ements of Paragraph (2) of Subsection B of 19.15.17.9 Hurke
<u> </u>			
-	pliance Demonstrations - based up		
H	I upon the appropriate requirement		
X Operating and Main	ntenance Plan - based upon the app	propriate requirements of	19.15.17.12 NMAC
the second	e complete Boxes 14 through 18, i and 19.15.17.13 NMAC	if applicable) - based upo	n the appropriate requirements of Subsection C of
Previously Approved D	Design (attach copy of design)	API	or Permit
Instructions: Each of the follo		application. Please indicate	9.15.17.9 NMAC , by a check mark in the box, that the documents are attached. equirements of Paragraph (3) of Subsection B of 19.15.17.9
Siting Criteria Com	pliance Demonstrations (only for a	on-site closure) - based u	pon the appropriate requirements of 19.15.17.10 NMAC
A	upon the appropriate requirement		
H	ntenance Plan - based upon the app		19 15 17 12 NMAC
8			
NMAC and 19.15.1		if applicable) - based upor	n the appropriate requirements of Subsection C of 19.15.17.9
Previously Approved D	esign (attach copy of design)	API	and the second se
Previously Approved O	perating and Maintenance Plan	API	
13	andiantian Charlintan Salarati		C
	Application Checklist: Subsection		te, by a check mark in the box, that the documents are attached.
-			
	ort - based upon the requirements	a computer and the company of the	
	pliance Demonstrations - based up	pon the appropriate requir	ements of 19.15.17.10 NMAC
Climatological Facto			
	ng Design Plans - based upon the a		
	Structural Integrity Design: based		
Leak Detection Des	ign - based upon the appropriate re	equirements of 19.15.17.	INMAC
Liner Specifications	and Compatibility Assessment - b	based upon the appropriat	e requirements of 19.15.17.11 NMAC
Quality Control/Qua	ality Assurance Construction and In	installation Plan	
Operating and Main	tenance Plan - based upon the app	propriate requirements of	19.15.17.12 NMAC
Freeboard and Over	topping Prevention Plan - based up	pon the appropriate requir	rements of 19.15.17.11 NMAC
Nuisance or Hazard	ous Odors, including H2S, Preven	ition Plan	
Emergency Respons	se Plan		
=	eam Characterization		
Monitoring and Insp			
	Decementary metrics		
Erosion Control Plan		ts of Subsection C of 10.1	5 17 0 NMAC and 10 15 17 12 NMAC
Erosion Control Plan Closure Plan - based		ts of Subsection C of 19.	5.17.9 NMAC and 19.15.17.13 NMAC
Erosion Control Plan Closure Plan - based	d upon the appropriate requirement		
Erosion Control Plan Closure Plan - based Closure Plan - based Closure: 19.15 Instructions: Please complete	d upon the appropriate requirement	ough 18, in regards to the p	roposed closure plan.
Erosion Control Plan Closure Plan - based Closure Plan - based Closure: 19.15 Instructions: Please complete	d upon the appropriate requirement	ough 18, in regards to the p	
Erosion Control Plan Closure Plan - based Closure: 19.15 structions: Please complete ype: Drilling Wo Alternative	d upon the appropriate requirement	ough 18, in regards to the p ation P&A Perm	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System
Erosion Control Plan Closure Plan - based Closure: 19.15 structions: Please complete ype: Drilling Wo Alternative	d upon the appropriate requirement	ough 18, in regards to the p ation P&A Perm ral (Below-Grade	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System
Erosion Control Plan Closure Plan - based Closure Plan - based to posed Closure: 19.15 structions: Please complete ype: Drilling Wo Alternative	d upon the appropriate requirement	ough 18, in regards to the p ation P&A Perm ral (Below-Grade systems only)	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System Tank)
Erosion Control Plan Closure Plan - based Closure: 19.15 structions: Please complete ype: Drilling Wo Alternative	d upon the appropriate requirement .17.13 NMAC e the applicable boxes, Boxes 14 thro prkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only	ough 18, in regards to the p ation P&A Perm ral (Below-Grade systems only)	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System Tank)
Erosion Control Plan Closure Plan - based Closure Plan - based to proposed Closure: 19.15 mstructions: Please complete ype: Drilling Wo Alternative	d upon the appropriate requirement 5.17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System Tank) sed-loop systems)
Erosion Control Plan Closure Plan - based Closure Plan - based  Proposed Closure: 19.15 Instructions: Please complete Type: Drilling Woo Alternative Toposed Closure Method:	d upon the appropriate requirement 5.17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System Tank)
Erosion Control Plan Closure Plan - based Closure Plan - based troposed Closure: 19.15 restructions: Please complete ype: Drilling Wo Alternative roposed Closure Method:	d upon the appropriate requirement .17.13 NMAC te the applicable boxes, Boxes 14 thra orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: (	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench       Exceptions must be submit         (19.15.17.13 NMAC) Instru	roposed closure plan. nanent Pit XBelow-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration)
Erosion Control Plan Closure Plan - based Closure Plan - based troposed Closure: 19.15 restructions: Please complete ype: Drilling Wo Alternative roposed Closure Method: 5 Vaste Excavation and Re lease indicate, by a check m	d upon the appropriate requirement .17.13 NMAC te the applicable boxes, Boxes 14 thra orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: ( teark in the box, that the documents a	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench       Exceptions must be submit         (19.15.17.13 NMAC) Instru       tre attached.	roposed closure plan. nanent Pit X Below-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration) ctions: Each of the following items must be attached to the closure pla
Erosion Control Plan     Closure Plan - based     Closure Plan - based     roposed Closure: 19.15     nstructions: Please complete     'ype: Drilling Wo         Alternative     roposed Closure Method:     S     Vaste Excavation and Re     lease indicate, by a check m     X Protocols and Procee	d upon the appropriate requirement .17.13 NMAC te the applicable boxes, Boxes 14 thra orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: (	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench       Exceptions must be submit         (19.15.17.13 NMAC) Instru       tre attached.	roposed closure plan. nanent Pit X Below-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration) ctions: Each of the following items must be attached to the closure plan
Erosion Control Plan     Closure Plan - based     Closure Plan - based     roposed Closure: 19.15     nstructions: Please complete     ype: Drilling Wo         Alternative     roposed Closure Method:      S     Vaste Excavation and Re     lease indicate, by a check m     X Protocols and Procee	d upon the appropriate requirement A upon the appropriate requirement A 17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: ( the box, that the documents at dures - based upon the appropriate	ough 18, in regards to the p         ation       P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench         Exceptions must be submit         (19.15.17.13 NMAC) Instru         re attached.         requirements of 19.15.17	roposed closure plan. nanent Pit X Below-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration) ctions: Each of the following items must be attached to the closure plan
Erosion Control Plan     Closure Plan - based     Closure Plan - based     A     Proposed Closure: 19.15     nstructions: Please complete     ype: Drilling Wo	d upon the appropriate requirement A upon the appropriate requirement A 17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: ( the box, that the documents at dures - based upon the appropriate	ough 18, in regards to the p         ation       P&A         P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench       Exceptions must be submit         (19.15.17.13 NMAC) Instruction       Instruction         (19.15.17.13 NMAC) Instruction       Instruction         (Bediate attached.       State attached.         (Instruction on the appropriate required       State attached.	roposed closure plan. nanent Pit X Below-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration) ctions: Each of the following items must be attached to the closure plan 7.13 NMAC ments of Subsection F of 19.15.17.13 NMAC
Erosion Control Plan     Closure Plan - based     Closure Plan - based     Closure Plan - based     Toposed Closure: 19.15     nstructions: Please complete     'ype: Drilling Wo         Alternative     troposed Closure Method:     S     Vaste Excavation and Re     Rease indicate, by a check m     X Protocols and Proceed     X Confirmation Sampli     X Disposal Facility Nat	d upon the appropriate requirement A upon the appropriate requirement A 17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita X Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: ( tark in the box, that the documents at thores - based upon the appropriate ing Plan (if applicable) - based upon me and Permit Number (for liquid	ough 18, in regards to the p         ation       P&A       Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench         Exceptions must be submit         (19.15.17.13 NMAC) Instru         tre attached.         requirements of 19.15.17         on the appropriate require         drilling fluids and drill	roposed closure plan. nanent Pit X Below-grade Tank Closed-loop System Tank) sed-loop systems) ted to the Santa Fe Environmental Bureau for consideration) ctions: Each of the following items must be attached to the closure plan 7.13 NMAC ments of Subsection F of 19.15.17.13 NMAC
Erosion Control Plan Closure Plan - based Closure Plan - based Closure Plan - based Closure Plan - based Proposed Closure: 19.15 Instructions: Please complete ype: Drilling Wo Alternative roposed Closure Method: Staste Excavation and Ree lease indicate, by a check m X Protocols and Proceed X Confirmation Sampli X Disposal Facility Nar X Soil Backfill and Cov	d upon the appropriate requirement A upon the appropriate requirement A 17.13 NMAC e the applicable boxes, Boxes 14 thro orkover Emergency Cavita X Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only In-place Burial Alternative Closure Method (E emoval Closure Plan Checklist: ( tark in the box, that the documents at thores - based upon the appropriate ing Plan (if applicable) - based upon me and Permit Number (for liquid	ough 18, in regards to the p         ation       P&A         Perm         ral       (Below-Grade         systems only)       for temporary pits and clo         On-site Trench         Exceptions must be submit         (19.15.17.13 NMAC) Instruction         re attached.         requirements of 19.15.17         on the appropriate require         ls, drilling fluids and drill         upon the appropriate require	roposed closure plan.         nanent Pit X Below-grade Tank Closed-loop System         Tank)         sed-loop systems)         ted to the Santa Fe Environmental Bureau for consideration)         ctions: Each of the following items must be attached to the closure plan         7.13 NMAC         rements of Subsection F of 19.15.17.13 NMAC         cuttings)         irrements of Subsection H of 19.15.17.13 NMAC

· · · · · · · · · · · · · · · · · · ·					
16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions: Please identify the facility or facilities for the disposal of liquids, drilling, are required.		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 Yes (If yes, please provide the information No					
Required for impacted areas which will not be used for future service and operations:     Soil Backfill and Cover Design Specification - based upon the appropriat     Re-vegetation Plan - based upon the appropriate requirements of Subsec     Site Reclamation Plan - based upon the appropriate requirements of Sub-	tion I of 19.15.17.13 NMAC	кс			
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. R certain siting criteria may require administrative approval from the appropriate district office of for consideration of approval. Justifications and/or demonstrations of equivalency are required	ecommendations of acceptable source material are provided bel r may be considered an exception which must be submitted to the				
Ground water is less than 50 feet below the bottom of the buried waste.		Yes No			
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtain	ined 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 obtain	ned from nearby wells				
Council and a first them 100 fort below the bettern of the buried mode					
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 obtain	and from pageby wells				
- HW Office of the state Engineer - WATERS talabase search, 0505, Data offan	ned noni nearby wens				
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significe (measured from the ordinary high-water mark).	ant watercourse or lakebed, sinkhole, or playa lake	Yes No			
<ul> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>					
Within 300 feet from a permanent residence, school, hospital, institution, or church in e - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	xistence at the time of initial application.	Yes No			
v sour aspection (contineation) of the proposed site, rectain photo, sate inte image					
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existe - NM Office of the State Engineer - iWATERS database; Visual inspection (certifica	nce at the time of the initial application.				
Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtain	Il field covered under a municipal ordinance adopted	Yes No			
Within 500 feet of a wetland	ned from the municipanty				
- US Fish and Wildlife Wetland Identification map: Topographic map; Visual inspe	ction (certification) of the proposed site				
Within the area overlying a subsurface mine.		Yes No			
- Written confiramtion or verification or map from the NM EMNRD-Mining and Mi	ineral Division				
Within an unstable area.		Yes No			
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Min Topographic map</li> </ul>	eral Resources; USGS; NM Geological Society;				
Within a 100-year floodplain. - FEMA map		Yes No			
<sup>18</sup> On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of by a check mark in the box, that the documents are attached.	f the following items must bee attached to the closur	e plan. Please indicate,			
Siting Criteria Compliance Demonstrations - based upon the appropriate	requirements of 19.15.17.10 NMAC	112 12 12 12 12 12			
Proof of Surface Owner Notice - based upon the appropriate requirement		1			
Construction/Design Plan of Burial Trench (if applicable) based upon the	appropriate requirements of 19.15.17.11 NMAC	AB PERMIN			
Construction/Design Plan of Temporary Pit (for in place burial of a drying	g pad) - based upon the appropriate requirements of 19	9.15.17.11 NMAC			
Protocols and Procedures - based upon the appropriate requirements of 19					
Confirmation Sampling Plan (if applicable) - based upon the appropriate r	requirements of Subsection F of 19.15.17.13 NMAC				
Waste Material Sampling Plan - based upon the appropriate requirements		State State of State			
Disposal Facility Name and Permit Number (for liquids, drilling fluids and		not be achieved)			
Soil Cover Design - based upon the appropriate requirements of Subsection		ALCOND. AND ALCOND.			
Re-vegetation Plan - based upon the appropriate requirements of Subsection	on I of 19.15.17.13 NMAC				
Site Reclamation Plan - based upon the appropriate requirements of Subse	ection G of 19.15.17.13 NMAC	A A A A A A A A A A A A A A A A A A A			

Name (Print): Crystal Tafoya	Title:	Regulatory Technician	
Signature: anotal Idona	Date:	12/22/2008	
-mail address: crystal tafoya@conocophillips.com	Telephone:	505-326-9837	
CD Approval: Permit Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
CD Representative Signature:		Approval Date:	
itle:		it Number:	
			-
Insure Report (required within 60 days of closure completion): Subsective Structions: Operators are required to obtain an approved closure plan prior to port is required to be submitted to the division within 60 days of the completion proved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been obtained and the closure activities have been completed to be approved closure plan has been approved closure plan has been approved closure activities have been completed to be approved closure plan has been approved closure activities have been completed to be approved closure plan has been approved closure activities have been approved closure activ	) implementing any closu n of the closure activitie: pmpleted.	re activities and submitting the closure report. The closur	e
	C. C. C. C.		1
Iosure Method:           Waste Excavation and Removal         On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop systems only	)
If different from approved plan, please explain.			-
Iosure Report Regarding Waste Removal Closure For Closed-loop Systems         Instructions: Please identify the facility or facilities for where the liquids, drille         istructions: Please identify the facility or facilities for where the liquids, drille         Disposal Facility Name:         Disposal Facility Name:         Were the closed-loop system operations and associated activities performed of         Yes (If yes, please demonstrate complilane to the items below)         Required for impacted areas which will not be used for future service and operation         Site Reclamation (Photo Documentation)         Soil Backfilling and Cover Installation         Re-vegetation Application Rates and Seeding Technique	ing fluids and drill cuttin Disposal Facility Disposal Facility on or in areas that will no No	ngs were disposed. Use attachment if more than two faci Permit Number: Permit Number:	lities
Closure Report Attachment Checklist: Instructions: Each of the follo	wing items must be attac	ched to the closure report. Please indicate, by a check mu	urk in
the box, that the documents are attached.			
Proof of Closure Notice (surface owner and division) Proof of Deed Notice (required for on-site closure)			
Plot Plan (for on-site closures and temporary pits)			
Confirmation Sampling Analytical Results (if applicable)			
Waste Material Sampling Analytical Results (if applicable)			
Disposal Facility Name and Permit Number			
Soil Backfilling and Cover Installation			
Re-vegetation Application Rates and Seeding Technique			
Site Reclamation (Photo Documentation)			
On-site Closure Location: Latitude:	Longitude:	NAD 1927 1983	
			1. Sec.
perator Closure Certification: ereby certify that the information and attachments submitted with this closure closure complies with all applicable closure requirements and conditions spe- me (Print):			certify tha
and the second			
gnature:	Date:		

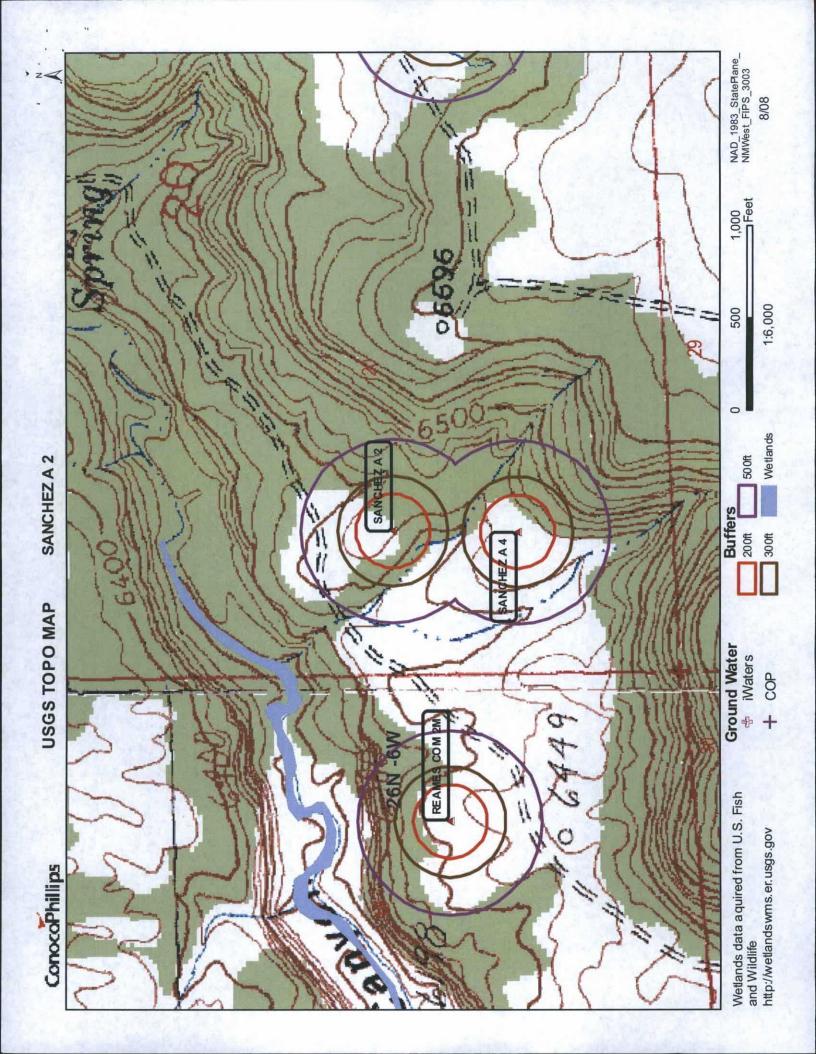
Form C-144

Oil Conservation Division

# New Mexico Office of the State Engineer

	New Mexico Office of the State Engineer POD Reports and Downloads						
	Township: 26N Range: 06W Sections:						
NA	D27 X: Y: Zone: Search Radius:						
County:	Basin: Number: Suffix:						
Owner Name:	(First) (Last) C Non-Domestic C Domestic @ All						
POD / S	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)						
POD Number	(quarters are biggest to smallest)DepthDepthWater (inTws Rng Sec q q qZoneXYWellWaterColumn						

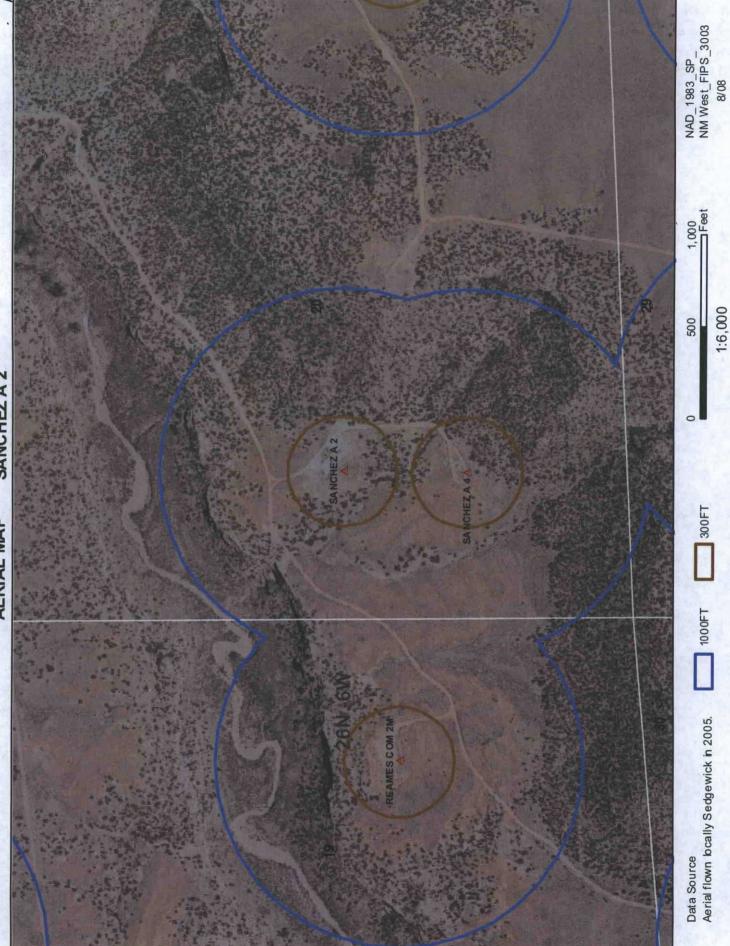
No Records found, try again





SANCHEZ A 2 AERIAL MAP

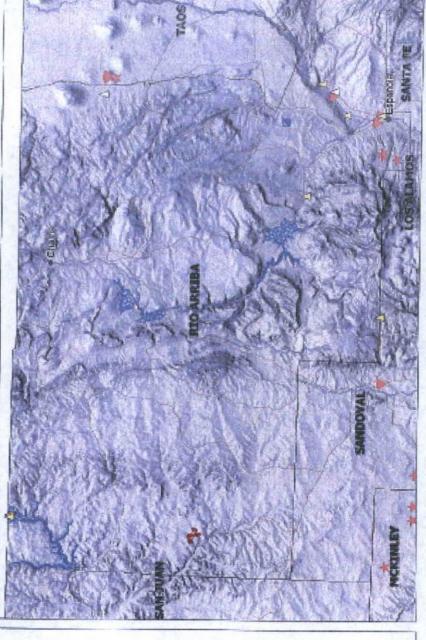
>



1:6,000

# Mines, Mills and Quarries Web Map SANCHEZ A2 Unit Letter: L, Section: 20, Town: 026N, Range: 006W

<ul> <li>△ Aggregate &amp; Stone Mines</li> <li>◆ Coal Mines</li> <li>★ Industrial Minerals Miles</li> <li>♥ Industrial Minerals Miles</li> <li>♥ Metal Mines &amp; Refineries</li> <li>♥ Uranium Mines</li> <li>♥ Uranium Miles</li> <li>♥ Uranium Miles</li> <li>♥ Opulation</li> <li>● Cities - major</li> <li>Transportation</li> <li>↓ Railways</li> <li>Major Roads</li> </ul>
<ul> <li>Aggregate &amp; Stone Mines</li> <li>Coal Mines</li> <li>Coal Mines</li> <li>Industrial Minerals Mines</li> <li>Industrial Minerals Mile</li> <li>Metal Mines and Mill Concentrate</li> <li>Potash Mines &amp; Refiner(es</li> <li>Smelters &amp; Refinery Ops.</li> <li>Uranium Miles</li> <li>Uranium Miles</li> <li>Optulation</li> <li>Citles - major</li> <li>Transportation</li> <li>Major Roads</li> </ul>

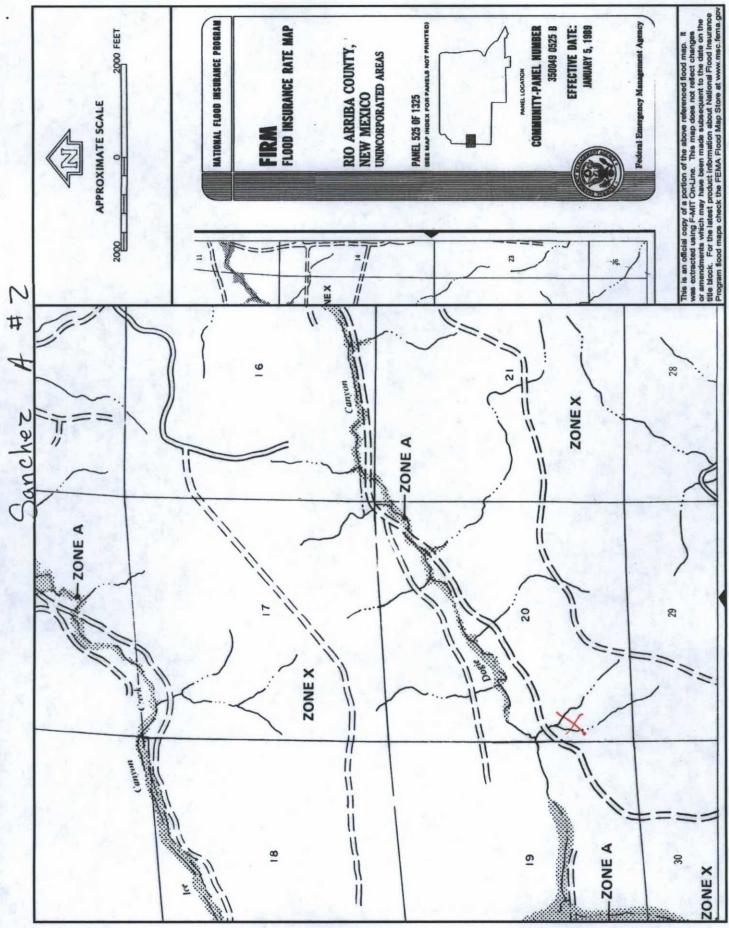


8

\$

20 MILES

20



D

### **SANCHEZ A 2**

### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SANCHEZ A 2', which is located at 36.46852 degree, North latitude and 107.49706 degree, West longitude. This location is located on the Gonzales Mesa 7.5' USGS topographic quadrangle. This location is in section 20 of Township 26 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 Nageezi, located 19.6 miles to the southwest. The nearest large town (population greater than 10,000) is Farmington, located 43.4 miles to the northwest (National Atlas). The nearest highway is State Highway 403, located 4.8 miles to the south. The location is on BLM land and is 1,402 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 1961 meters or 6432 feet above sea level and receives 10.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Semi-Desert Grassland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 96 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 290 feet to the southwest and is classified by the USGS as an intermittent stream. The nearest perennial stream is 3,012 feet to the west. The nearest water body is 3,265 feet to the northwest. It is classified by the USGS as an intermittent lake and is 0.1 acres in size. The nearest spring is 2,172 feet to the northeast. 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 775 feet to the east. The nearest wetland is a 7.2 acre Ravine located 1,080 feet to the northwest. The slope at this location is 10 degree, to the west 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 age's substrate. The soil at this location is 'Rock outcrop-Vessilla-Menefee complex, 15 to 45 percent slopes' and is well drained and not hydric with not rated erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 26.7 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided. located 4.8 miles to the

inclared in the BLM land status

Tunico, Sub-bash, This location is

and its outcrop forms the land.

### 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.

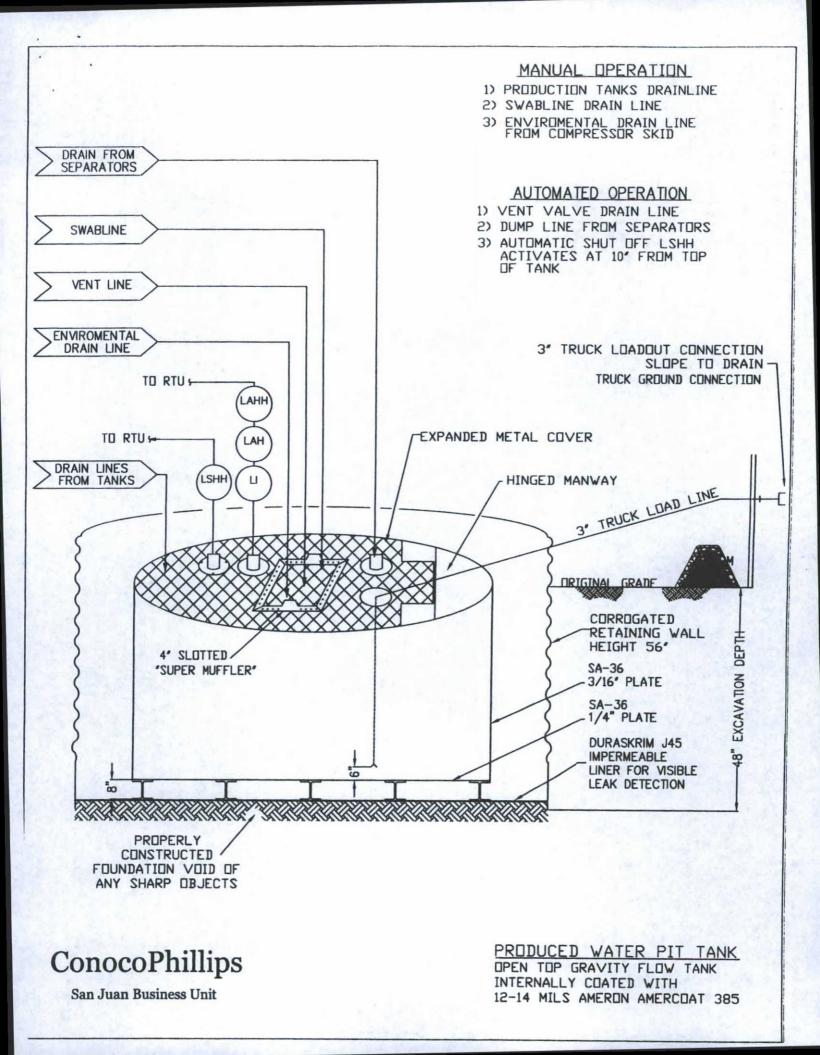
### Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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:

- 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.
- 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.
- 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.
- 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.



# DURA-SKRIM®

PROPERTIES	TEST METHOD	J30BB		J36BB		J45BB		
For the second second		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	
Appearance		Blac	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 (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)	
Construction		**Extr	**Extrusion laminated with encapsulated tri-directional scrim reinforcement					
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs	
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 lbf MD 90 lbf 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	<0.5	
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf	
Maximum Use Temperature		180° F	180° F	180° F	180° F	180° F	180° F	
Minimum Use Temperature	100 million (1990)	-70° F	-70° F	-70° 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.

Note: 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 disclaims all liability for resulting loss or damage.



PLANT LOCATION

Sioux Falls, South Dakota

### SALES OFFICE

130, 136 a 145

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

08/06

## 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. These dates will be updated prior to December 31, 2008.

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

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

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs 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 REFERED 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 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.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, BR shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant accumulation of oil overtime. The written record of the monthly inspections will include the items listed above and will be maintained for five years.
- 5. BR shall require and maintain a 10" adequate freeboard to prevent overtopping of the below-grade tank.
- 6. If the below grade tank develops a leak, or if any penetration of the pit liner or below grade tank, occurs below the liquid's surface, then BR shall remove all liquid above the damage or leak line within 48 hours. BR shall notify the appropriate district office. BR shall repair or replace the pit liner or below grade tank, within 48 hours of discovery. If the below grade tank or pit liner does not demonstrate integrity, BR shall promptly remove and install a below grade tank or pit liner that complies with Subsection I of 19.15.17.11 NMAC. BR shall notify the appropriate district office of a discovery of leaks less than 25 barrels as required pursuant to Subsection B of 19.15.3.116 NMAC shall be reported within twenty-four (24) hours of discovery of leaks greater than 25 barrels. In addition, immediate verbal notification pursuant to Subsection B, Paragraph (1), and Subparagraph (d) of 19.15.3.116 NMAC shall be reported to the division's Environmental Bureau Chief.

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

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

### General Requirements:

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

# OCD Aztec District III Conoco Phillips/Burlington Checklist Below Grade Tank Registration

# 19.15.17.9 Permit application

Signed C-144 (Page 5 of C-144)

Site Specific Hydrogeology

# 19.15.17.10 Siting requirements

- New Mexico Office of State Engineer attachment
- USGS TOPO map
- Aerial Map
- Mines, Mills and Quarries Web Map
- SIRM map (flood insurance rate map from Federal Emergency Management Agency)

# 19.15.17.11 Design Plan Contents

Below Grade Tank Design and Construction Plan.

# 19.15.17.12 Operating and Maintenance Plan

P Below Grade Tank Operating and Maintenance Plan

# 19.15.17.13 Closure Plan

Below Grade Tank Closure Plan

**Requirements:** 

Registration Date: 2/15/2016