e ⁻ <u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240	State of New Mexico	Form C-14
REGISTER	Energy Minamle and Natural Resources Dartment -vation Division	July 21, 20 For temporary pits, closed-loop sytems, and below-grade tanks. submit to the appropriate NMOCD District Office.
REGISTERI	1 St. Francis Dr. Sama re, NM 87505	For permanent pits and exceptions submit to the Santa Fe
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	Santa Pe, NWI 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Grad	
Proposed	Alternative Method Permit or Closur	re Plan Application
Type of action:	X Permit of a pit, closed-loop system, below-grade t	ank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade	tank, or proposed alternative method
	Modification to an existing permit	
Γ	Closure plan only submitted for an existing permi below-grade tank, or proposed alternative method	
Instructions: Please submit one app	lication (Form C-144) per individual pit, closed-lo	op system, below-grade tank or alternative reque
	is request does not relieve the operator of liability should operations to the operator of its responsibility to comply with any other applicable	
1 Operator: Burlington Resources Oil &		OGRID#: 14538
Address: PO Box 4289, Farmington,		
Facility or well name: SAN JUAN 27-		
	0CD Permit Numbe	
U/L or Qtr/Qtr: E Section:	· ·	5W County: Rio Arriba
Center of Proposed Design: Latitude: Surface Owner: X Federal	36.54722°N Longitude: State Private Tribal Trust or India	-107.40594°W NAD: X 1927 198
2 Pit: Subsection F or G of 19.15.17.1	I NMAC	
Temporary: Drilling Workov		
	itation P&A	
		HDPE PVC Other
String-Reinforced		
Liner Seams: Welded Facto	ory Other Volume:	bbl Dimensions L x W x D
3	H of 19.15.17.11 NMAC	
	_	activities which require prior approval of a permit or
	notice of intent)	
Drying Pad Above Ground	Steel Tanks Haul-off Bins Other	
Lined Unlined Liner ty	pe: Thicknessmil LLDPEH	IDPE PVD Other
Liner Seams: Welded Factor	ory Other	
4		
X Below-grade tank: Subsection 1 of	f 19.15.17.11 NMAC	
Volume: 120 bbl	Type of fluid: Produced Water	
Tank Construction material:	Metal	
Secondary containment with leak deter	ction X Visible sidewalls, liner, 6-inch lift and aut	omatic overflow shut-off
Visible sidewalls and liner	Visible sidewalls only Other	
Liner Type: Thickness	mil HDPE PVC XOther U	Jnspecified
5		
Alternative Method:		
Submittal of an exception request is requi	red. Exceptions must be submitted to the Santa Fe Enviro	nmental Bureau office for consideration of approval.
Form C-144	Oil Conservation Division	Page 1 of

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6 ,						
Eencing: 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 wire at top (Required if located within 1000 feet of a permanent rasidence, school, hospital, institution or church)						
role role regime tour 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" tettering, providing Operator's name, site location, and emergency telephone numbers						
X Signed in compliance with 19.15.3.103 NMAC						
9 Administrative American de la colorada						
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 and						
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for (Fencing/BGT Liner)	consideration of approval.					
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.						
10 <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC						
Instructions: The applicant must demonstrate compliance for each siting oritoric holes in the second						
	1					
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, lokabed with the	Yes XNo					
(inclusive to in the originally ingrewater mark).	Yes XNo					
- Topographic map; Visual inspection (certification) of the proposed site						
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes X No					
approaction.						
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	NA					
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No					
(Applied to permanent pits)	XNA					
- 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 and it. to the proposed site.						
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes X No					
- Written confirmation or verification from the municipality; Written approval obtained from the municipality						
Within 500 feet of a wetland.						
os hist and whether wertaile identification map; Topographic map; Visual inspection (certification) of the proposed site						
Within the area overlying a subsurface mine.						
Mining and Mineral Division						
Within an unstable area.	Yes X No					
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map						
Within a 100-year floodplain						
- FEMA map	Yes X No					

	ary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
	a generative (report (recov-grade ranks) - based (boo) the reconcements of Damagraph (d) of C to the standard standard (d) and C to the standard (d) and
	(remportance build (remportance and rancingency Pits) - based upon the requirements of Paragraph (2) of Subrouting D (5.10, 17, 17, 17, 17, 17, 17, 17, 17, 17, 17
	criteria compliance Demonstrations - based upon the appropriate requirements of 19.15.17 to NMAC
	sign rian - based upon the appropriate requirements of 19,15,17,11 NMAC
X Of	perating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
	osure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 15.17.9 NMAC and 19.15.17.13 NMAC
Previo	usly Approved Design (attach copy of design) API or Permit
Closed-lo	op Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Geo	ologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) (5) herein De Autoched.
Siti	ng Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
Des	sign Plan - based upon the appropriate requirements of 19.15.17.11 NMAC
Ор	erating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Clo	sure Plan (Please complete Boxes 14 through 18 if applicable to the state of 19.15.17.12 NMAC
and the second se	sure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 IAC and 19.15.17.13 NMAC
	sly Approved Design (attach copy of design) API
	sty Approved Operating and Maintenance Plan API
3	
ermanen	t Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC
	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.
	a second and requirements of Faragraph (1) of Nubcoction D of 10 15 17 0 Mit A of
	ig Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC hatological Factors Assessment
	and great racional rasional chi
Dike	ified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Luak	Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
Line	Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
Qual	ity Control/Quality Assurance Construction and Installation Plan
	ating and Maintenance Plan - based upon the appropriate requirements of 10,15,17,10, bit to c
	our and overtopping Prevention Plan - based upon the appropriate requirements of 10 15 13 to the second
	and the mazardous outputs, including H25, Prevention Plan
Emer	gency Response Plan
_ Oil Fi	eld Waste Stream Characterization
Monit	toring and Inspection Plan
	on Control Plan
	re Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
	osure: 19.15.17.13 NMAC Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.
posed Cl	
ructions:	
ructions: I	Thing Workover Emergency Cavitation P&A Permanent Pit VBelow grade Table Contract of
ructions: :: D A	Internative
ructions: :: D A	Uternative Sure Method: XWaste Excavation and Removal (Below-Grade Tank)
ructions: :: D A	Sure Method: XWaste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop Systems only)
ructions: :: D A	Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System sure 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)
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ste Excavi posed Close ste Excavi se indicate, Protoco Confirm Disposa Soil Bac	Alternative Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Is and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

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 Within incorporated numicipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted Yes Within 500 feet of a wetland . Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland . US Fish and Wildlife Wetland Identification map: Topographic map; Visual inspection (certification) of the proposed site Within an unstable area. . 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 Society; Within a 100-year floodplain. . FEMA map . FEMA map Yes 13 Yes On-Site Closure Plan Checklist; (19.15.17.13 NMAC) Instructions; Each of the following items must bee attached to the closure plan. Please indice by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of 19.15.17.13 NMAC Construction/Design Plan of Bu	iste Removal Closure For Closed-loop Systems That Utilize Above	Ground Steel Tanks on Haut of Dr. A.	
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Cround water is less than 50 feet below the bottom of the buried waste. Yes • NM Office of the State Engineer - iWATERS database search: USGS: Data obtained from nearby wells \VA Ground water is between 50 and 100 feet below the bottom of the buried waste \VA • NM Office of the State Engineer - iWATERS database search: USGS: Data obtained from nearby wells \VA Ground water is more than 100 feet below the bottom of the buried waste. \VA • NM Office of the State Engineer - iWATERS database search: USGS, Data obtained from nearby wells \VA Within 500 feet of a continuously flowing watercourse. or 200 feet of any other significant watercourse or lakehed, sinkhole, or playa lake \Ves • Toporaphie map: Visual inspection tcertification) of the proposed site \Ves Within 500 feet of a private, domestic fresh water well or spring, that less than five households use for domestic or stock watering purpuses, or within (00 borizontal feet of any other fresh water well or spring, in existence at the time of the initial application. \Ves • Writen confirmation or verification on the municipality: Writen approval obtained from the municipality during a discuster of the proposed site \Ves Within in uorporated municipal boundaries or whitin a defined municipal fresh water well or spring. \Ves \Ves Within an unstable area. ·Weiten confirmation or verification from the municipality: Writen approval obtained from the municipality		v are required. Please refer to 19,15,17,10 NMAC for guidance	d below, Requests regarding ch to the Santa Fe Environmental B
Ground water is between 50 and 100 feet below the bottom of the buried waste	and water is less than 50 feet below the bottom of the buried was	te	
Ground water is between 50 and 100 feet below the bottom of the buried waste			
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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	
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake Yes Topographic map: Visual inspection (certification) of the proposed site Within 500 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 fee 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 fee of any other fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring that less than five households use for domestic or stock watering written confirmation or verification from the municipality: Written approval obtained from the municipal ordinance adopted written confirmation or verification from the municipality: Written approval obtained from the municipality Within 500 feet of a wetland . US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. . Engineering measures incorporated into the design: NM Bureau of Geology & Mineral Resources: USGS; NM Geological Society: Within a 100-year floodplain. . FEMA map	nd water is more than 100 feet below the bottom of the buried w	aste	
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake \	NM Office of the State Engineer - iWATERS database search; USGS;	Data obtained from nearby wells	
Within 300 feet from a permanent residence. school. hospital. institution. or church in existence at the time of initial application. . Visual inspection (certification) of the proposed site: Aerial photo: satellite image Within 500 horizontal feet of a private, domestic 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 Within 500 horizontal feet of a private, domestic 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 Within incorporated numicipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted . Yes • Written confirmation or verification from the municipality: Written approval obtained from the municipality . Yes Within 500 feet of a wetland . US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Within a unstable area. . Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources: USGS; NM Geological Society: Within a 100-year floodplain. . FEMA map 18 . FEMA map 19 . Stituc Consure Plan Checklist; (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indice proof of Surface Owner Notice - based upon the appropriate requirements of 19.15.17.10 NMAC<	n 300 feet of a continuously flowing watercourse, or 200 feet of any ot ured from the ordinary high-water mark).	her significant watercourse or lakebed, sinkhole, or playa lake	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application.	Topographic map: Visual inspection (certification) of the proposed site		
- NM Office of the State Engineer - iWATERS database: Visual inspection (certification) of the proposed site Within incorporated numicipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted - Written confirmation or verification from the municipality: Written approval obtained from the municipality Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. - 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 Society: Within a 100-year floodplain. - FEMA map - FEMA map - Yes - Matter Checkdist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indice - Stite Closure Plan Checkdist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indice - Stite Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC - Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC - Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC	1 subject from a permanent residence, school, hospital, institution, or visual inspection (certification) of the proposed site; Aerial photo; satel	church in existence at the time of initial application. lite image	Yes No
pursuant to NMSA 1978, Section 3-27-3, as amended.	M Office of the State Engineer - iWATERS database: Vieual income	s in existence at the time of the initial application.	Yes No
 US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site US Fish and Wildlife Wetland Identification map: Topographic map: Visual inspection (certification) of the proposed site Written confiramition or verification or map from the NM EMNRD-Mining and Mineral Division Written confiramition 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 Society; Within a 100-year floodplain. FEMA map Yes Yes	nt to NMSA 1978, Section 3-27-3, as amended. Vritten confirmation or verification from the municipality: Written app	h water well field covered under a municipal ordinance adopted	Yes No
Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division Written confiramtion 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 Society; Within a 100-year floodplain. - FEMA map Prostite Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indice 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 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC	a welially		
Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division Written confiramtion 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 Society; Within a 100-year floodplain. - FEMA map Prostite Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indice 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 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC	S Fish and Wildlife Wetland Identification map: Topographic map; Vi	sual inspection (certification) of the proposed site	Yes No.
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources: USGS; NM Geological Society; Topographic map Within a 100-year floodplain. - FEMA map	one area overlying a subsurface mine.		Yes No
Within a 100-year floodplain.	an unstable area.		
FEMA map Yes	gineering measures incorporated into the design; NM Bureau of Geolo graphic map	gy & Mineral Resources: USGS; NM Geological Society;	Yes No
On-Site Closure Plan Checklist: (19.15.17.13'NMAC) Instructions: Each of the following items must bee attached to the closure plan. Please indices are actached. in y a check mark in the box, that the documents are attached. 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 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC			Yes No
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 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 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC 	ck mark in the box, that the documents are attached.	each of the following items must bee attached to the closur	re plan. Please indicate,
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.15.17.13 NMAC	Siting Criteria Compliance Demonstrations - based upon the appr	OPTIALE requirements of 10.15.17.10 No.44	
Construction Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 10.16.17.11.20.000	root of Surface Owner Notice - based upon the appropriate requ	irements of Subsection F of 10.15.17.13 Marco	
L Construction/Decign Dian of Therein Dian of the	onstruction Design Plan of Burial Trench (if applicable) based u	Don the appropriate requirements of 10 15 17 11 March	
Constance to Design Film of Temporary Pit (for in place burial of a drying pad) based upon the	onsulation Design rian of Temporary Pit (for in place burial of	a drying nady bacad upon the	
- A set of a set of the set of th	reading the second seco	115 OF 19 15 17 15 NM AC	A DATA INMAC
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC	(aste Material Sampling Plan (if applicable) - based upon the appro	priate requirements of Subsection F of 19.15.17.13 NMAC	
Liste material sampling main - based upon the appropriate requirements of Subsection E of 10.15.17.13 No.4.6	and the appropriate require the appropriate require	ements of Subsection F of 10 15 17 12 March of	
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plum - based upon the 	bil Cover Design - hased upon the uppresented	uids and drill cuttings or in case on-site closure standards can	not be achieved)

19		
Operator Application Certification:		
Thereby certify that the information submitted with this application is true, and	courate and complete to the	: best of my knowledge and belief
Name (Print): Crystal Tafoya	Title:	Regulatory Technician
Signature:	······	
- marca 10404	Date:	12/22/2008
e-mail address: <u>crystal tafoya@conecophilips.cim</u>	Telephone:	505-326-9837
20		
OCD Approval: Permit Application (including closure plan)	Closure Plan (only)	
		OCD Conditions (see attachment)
OCD Representative Signature:		Approval Date:
Title:	OCD Peri	nit Number:
21		
Closure Report (required within 60 days of closure completion): so		
Instructions: Operators are required to obtain an approved closure plan prior	to implementing any class	the activities and submitting day down and an an 21 st
report is required to be submitted to the division within 60 days of the comple	tion of the closure activitie	s. Please do not complete this section of the form until an
approved closure plan has been obtained and the closure activities have been	completed.	
	Closur	e Completion Date:
22		
Closure Method:		
Waste Excavation and Removal On-site Closure Method	Alternative Closure	Method Waste Removal (Closed-loop systems only)
If different from approved plan, please explain,		waste Removal (Closed-loop systems only)
23 Closure Report Reporting Waste Removal Closure Fax Closed Inc. Sector	-	
Closure Report Regarding Waste Removal Closure For Closed-loop System Instructions: Please identify the facility or facilities for where the liquids, drawere utilized	ms That Utilize Above Gr	ound Steel Tanks or Haul-off Bins Only:
were utilized.	and grands and arm Lam	igs were disposed. Use allachment if more than two facilities
Disposal Facility Name:	Disposal Facility	Permit Number:
Disposal Facility Name:	Disposal Facility	Permit Number:
Were the closed-loop system operations and associated activities performed	on or in areas that will no	be used for future service and opeartions?
Yes (If yes, please demonstrate compliane to the items below)	No	
Required for impacted areas which will not be used for future service and a	perations:	
Site Reclamation (Photo Documentation)		
Soil Backfilling and Cover Installation		
Re-vegetation Application Rates and Seeding Technique		
24		
Closure Report Attachment Checklist: Instructions: Each of the foll	lowi <mark>ng</mark> items must be attac	hed to the closure report. Please indicate, by a check mark in
Proof of Closure Notice (surface owner and division)		
Proof of Deed Notice (required for on-site closure) Plot Plot 2 (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)		
Waste Material Sampling Analytical Results (if applicable) Disposal Facility Name and Permit Number		
 Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation 		
Disposal Facility Name and Permit Number		
Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation		
 Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique 	Longitude:	NAD 1927 1983
 Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) 	Longitude:	NAD 1927 1983
 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
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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: Dependence Certification: hereby certify that the information and attachments submitted with this closure	report is ture, accurate an	d complete to the best of my knowledge and belief. Laten write day
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: Derator Closure Certification: hereby certify that the information and attachments submitted with this closure	report is ture, accurate an	d complete to the best of my knowledge and belief. Laten write day
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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: Somerator Closure Certification: hereby certify that the information and attachments submitted with this closure e closure complies with all applicable closure requirements and conditions speame (Print):	report is ture, accurate an ecified in the approved clos	d complete to the best of my knowledge and belief. Later write the
 Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique Site Reclamation (Photo Documentation) 	report is ture, accurate an ecified in the approved clo: Title:	d complete to the best of my knowledge and belief. Labor marifester

New Mexico Office of the State Engineer

New Mexico Office of the Sta POD Reports and Dow					
Township: 27N Range: 05W Sections:					
NAD27 X: Y: Zone:	Sea	rch Radius	s:		
County: Basin:	Number:		Suffix:		
Owner Name: (First) (Last)	C Non-	Domestic	⊂ Dom	estic @	All
POD / Surface Data Report Avg Depth to Wate	er Report	Wate	er Column	Report	1
Clear Form iWATERS M	lenu Hel	p			
WATER COLUMN REP	ORT 08/20/2	2008			
(quarters are 1=NW 2=NE 3=SW 4=SE)		Depth	Depth	Water	(in
(quarters are biggest to smallest) POD Number Tws Rng Sec q q q Zone	x Y	Well	Water	Column	(
RG 81026 27N 05W 27 4 4 3		460	186	274	
SJ 00199 27N 05W 03 2 1		1840			
ST 00046 27N 05W 04 4 4		506	260	246	

Record Count: 3

SJ 00046

27N 05W 04 4 4

New Mexico Office of the State Engineer

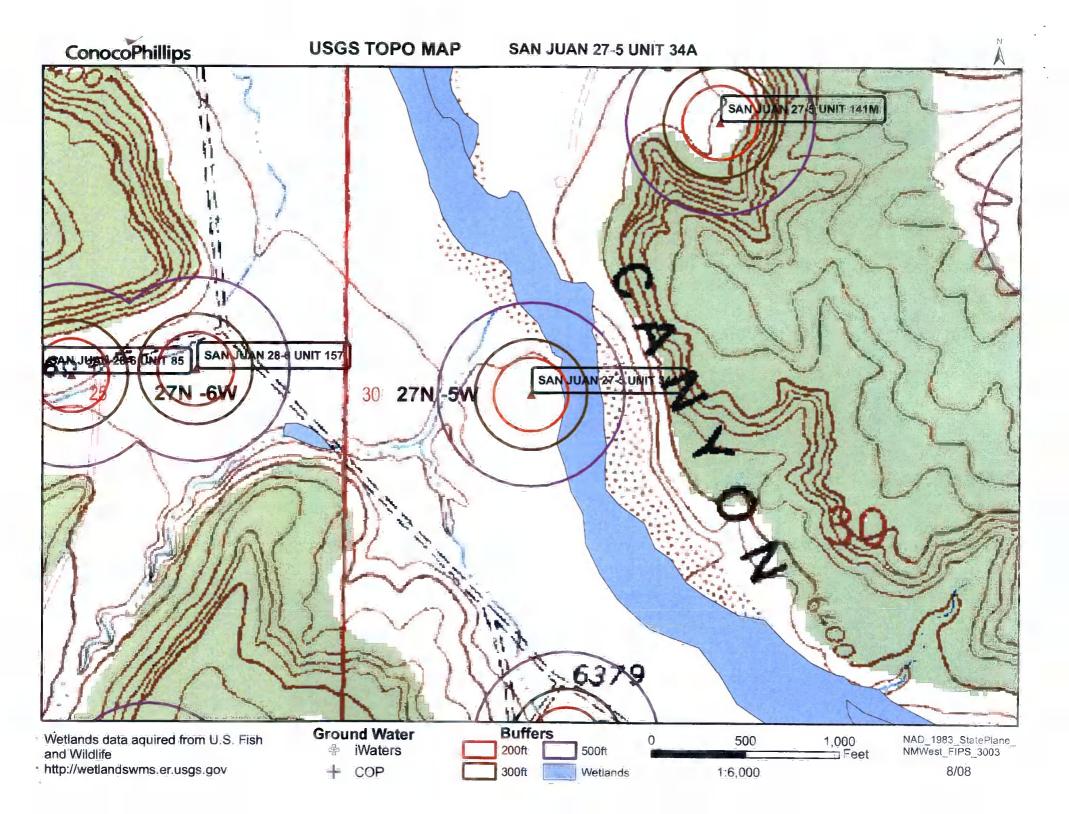
Page	1	of	1
	_		-

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

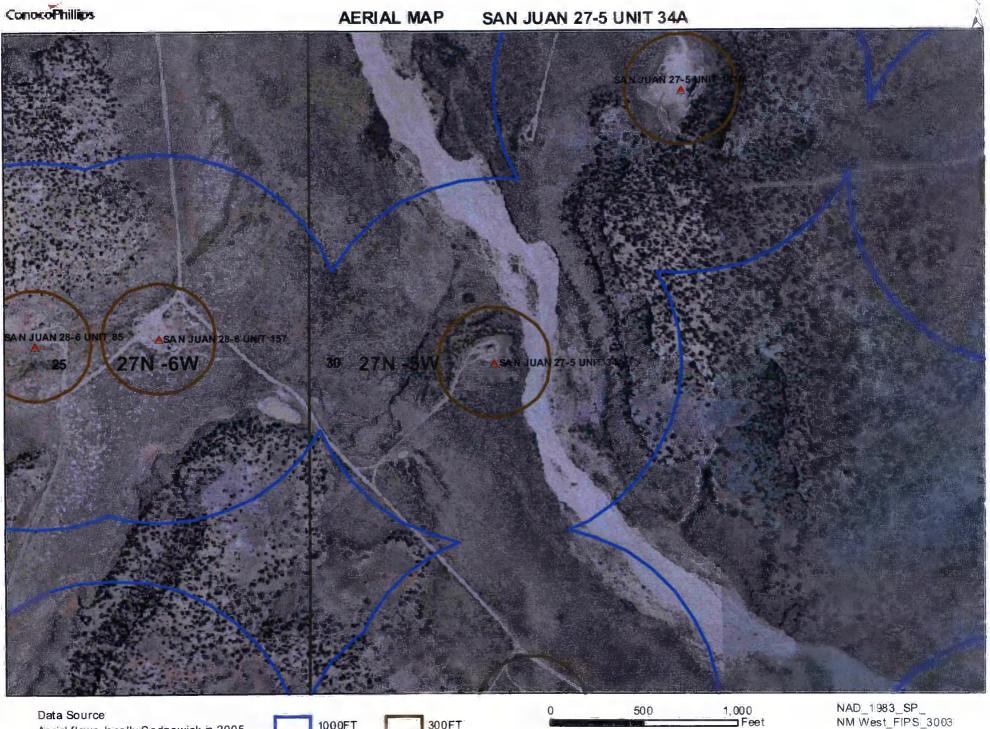
WATER COLUMN REPORT 08/20/2008

							3=SW 4=S smalles	-		Depth	Depth	Water (in
POD Number	Tws	Rng	Sec	q	Ð	g	Zone	x	Y	Well	Water	Column
SJ 03001	27N	06W	07	2	2	1				141	41	100
SJ 02403	27N	06W	30	3	1	3				505	300	205
SJ 00213	27N	06W	32	1	4	4				1308	485	823
SJ 00062	27N	06W	32	3	3	3				452	301	151
SJ 00061	27N	06W	32	3	3	3				445	301	144

Record Count: 5



AERIAL MAP SAN JUAN 27-5 UNIT 34A



Data Source Aerial flown bcally Sedgewick in 2005.

1000FT	300FT

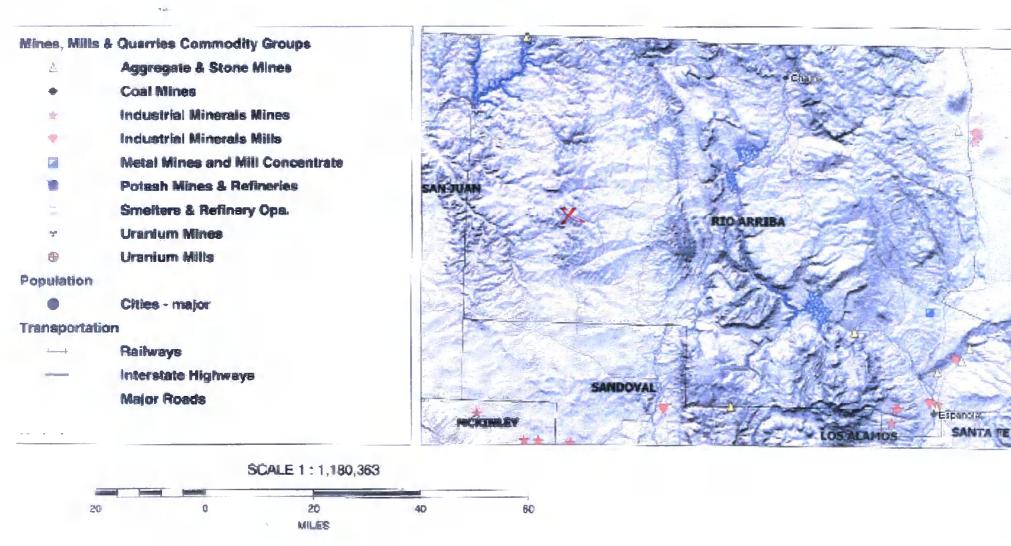
1:6,000

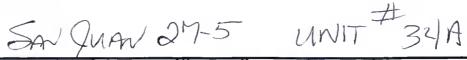
NAD_1983_SP_ NM West_FIPS_3003 8/08

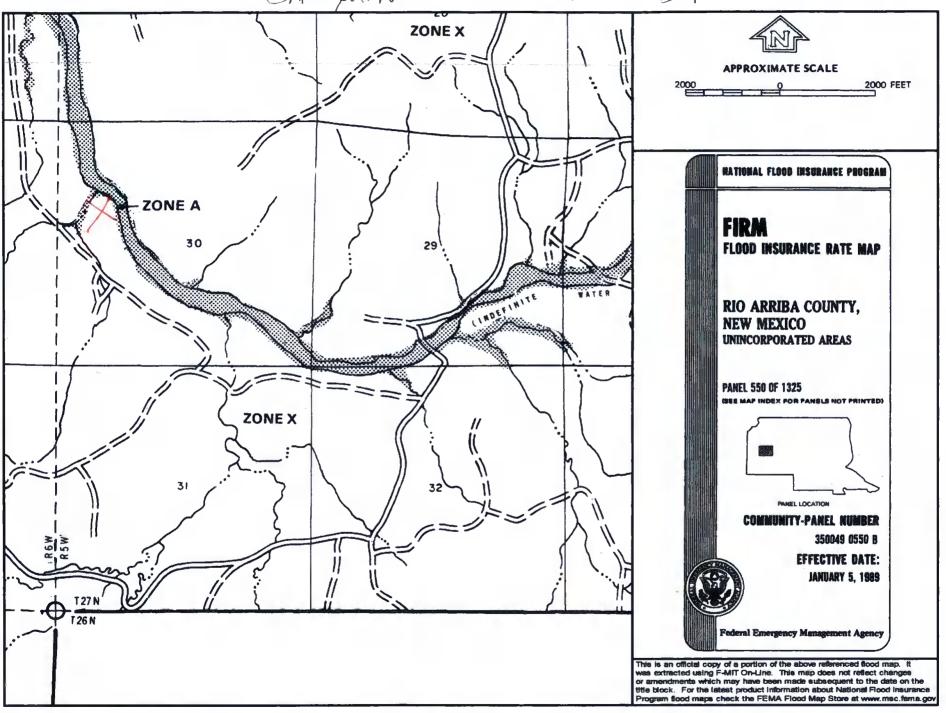
Mines, Mills and Quarries Web Map

SAN JUAN 27-5 UNIT 34A

Unit Letter: E, Section: 30, Town: 027N, Range: 005W







SAN JUAN 27-5 UNIT 34A

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 27-5 UNIT 34A', which is located at 36.54722 degree, North latitude and 107.40594 degree, West longitude. This location is located on the Santos Peak 7.5' USGS topographic quadrangle. This location is in section 30 of Township 27 North Range 5 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 25.1 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 46.3 miles to the west (National Atlas). The nearest highway is US Highway 64, located 9.5 miles to the north. The location is on BLM land and is 548 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 1939 meters or 6359 feet above sea level and receives 11.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Greasewood Flat as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 233 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 named Carrizo Creek and is 240 feet to the east and is classified by the USGS as a perennial stream. The nearest perennial stream is named Carrizo Creek and is 240 feet to the east. The nearest water body is 7,683 feet to the northeast. It is classified by the USGS as an intermittent lake and is 1.1 acres in size. The nearest spring is 28,149 feet to the southwest. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 2,656 feet to the southeast. The nearest wetland is a 321.6 acre Ravine located 0 feet to the west. The slope at this location is 0 degree, to the east 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 'Sparank-San Mateo silt loams, saline, sodic, 0 to 3 percent slopes' and is well drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 20.1 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Hydrogeological context:

The San Jose Formation of Eocene age occurs in New Mexico and Colorado, and its outcrop forms the land surface over much of the eastern half of the central basin. It overlies the Nacimiento Formation in the area generally south of the Colorado-New Mexico State line and overlies the Animas Formation in the area generally north of the State line. The San Jose Formation was deposited in various fluvial-type environments. In general, the unit consists of an interbedded sequence of sandstone, siltstone, and variegated shale. Thickness of the San Jose Formation generally increases from west to east (200 feet in the west and south to almost 2,700 feet in the center of the structural basin). Ground water is associated with alluvial and fluvial sandstone aquifers. Thus, the occurrence of ground water is mainly controlled by the distribution of sandstone in the formation. The distribution of such sandstone is the result of original depositional extent plus any post-depositional modifications, namely erosion and structural deformation. Transmissivity data for San Jose Formation are minimal. Values of 40 and 120 feet squared per day were determined from two 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.

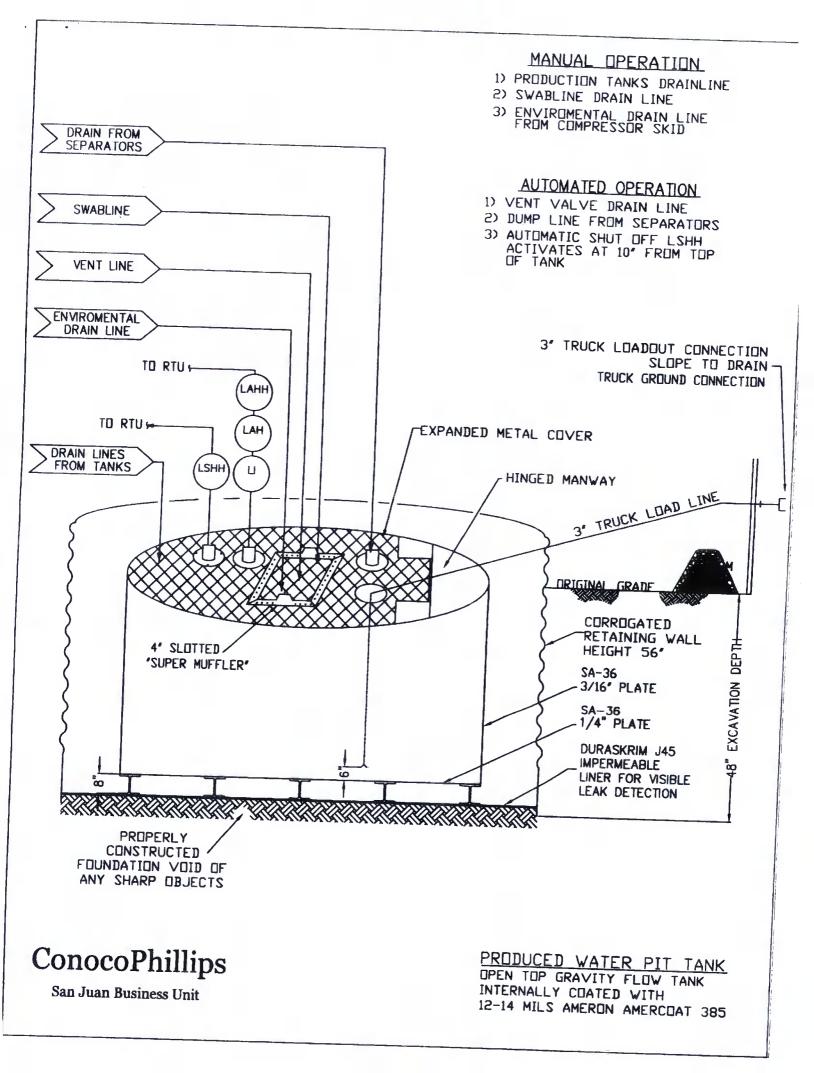
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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 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.
- 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 J30BB J36BE **J45BE** Min. Roll Typical Roll Min. Roll Typical Roll Min. Roll Averages Typical Roll Averages Averages Averages Averages Averages Appearance Black/Black Black/Black Black/Black Thickness **ASTM D 5199** 27 mil 30 mil 32 mil 36 mil 40 mil 45 mil Weight Lbs Per MSF 126 lbs 140 lbs ASTM D 5261 151 lbs (oz/yd²) 168 lbs 189 lbs 210 lbs (18.14)(20.16)(21.74)(24.19)(27.21)(30.24)Construction **Extrusion laminated with encapsulated tri-directional scrim reinforcement Ply Adhesion **ASTM D 413** 16 lbs 20 lbs 19 lbs 24 lbs 25 lbs 31 lbs 1" Tensile Strength 88 lbf MD 110 lbf MD ASTM D 7003 90 lbf MD 113 lbf MD 110 lbf MD 138 lbf MD 63 lbf DD 79 lbf DD 70 lbf DD 87 lbf DD 84 lbf DD 105 lbf DD 1" Tensile Elongation @ 550 MD 750 MD **ASTM D 7003** Break % (Film Break) 550 MD 750 MD 550 MD 750 MD 550 DD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD Peak % (Scrim Break) ASTM D 7003 20 MD 30 MD 20 MD 36 MD 20 DD 33 DD 20 DD 31DD 20 DD 36 DD Tongue Tear Strength 75 lbf MD 97 lbf MD ASTM D 5884 75 lbf MD 104 lbf MD 100 lbf MD 117 lbf MD 75 lbf DD 90 lbf DD 75 lbf DD 92 lbf DD 100 lbf DD 118 lbf DD 180 Ibf MD Grab Tensile 218 lbf MD ASTM D 7004 180 lbf MD 222 lbf MD 220 lbf MD 180 lbf DD 257 lbf MD 210 lbf DD 180 lbf DD 223 lbf DD 220 lbf DD 258 lbf DD Trapezoid Tear 120 lbf MD 146 lbf MD

141 lbf DD

< 0.5

64 lbf

180° F

-70° F

ASTM D 1204 Puncture Resistance **ASTM D 4833** Maximum Use Temperature Minimum Use Temperature

ASTM D 4533

MD = Machine Direction

* Dimensional Stability

DD = Diagonal Directions

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

130 lbf MD

130 lbf DD

<1

65 lbf

180° F

-70° F

189 lbf MD

172 lbf DD

< 0.5

83 lbf

180° F

-70° F

*Dimensional Stability Maximum Value

120 lbf DD

<1

50 lbf

180° F

-70° F

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

NOW, IF AN EN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITMESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, to guarantee of natistactory results from resance upon contained information or recommendations and



PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

160 lbf MD

160 lbf DD

<1

80 lbf

180° F

-70° F

193 lbf MD

191 lbf DD

<0.5

99 lbf

180° F

-70° F

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

RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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 replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is associated with the site inspection.

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

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

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

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

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

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

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

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

General Plan:

- 1. BR will operate and maintain a BGT to contain liquids and solids and maintain the integrity of the liner, liner system and secondary containment system to prevent contamination of fresh water and protect public health and environment. BR will accomplish this by performing an inspection on a monthly basis, installing cathodic protection, and automatic overflow shutoff devices as seen on the design plan.
- 2. BR will not discharge into or store any hazardous waste in the BGT.
- 3. BR shall operate and install the below-grade tank to prevent the collection of surface water run-on. BR has built in shut off devices that do not allow a below-grade tank to overflow. BR constructs berms and corrugated retaining walls at least 6" above ground to keep from surface water run-on entering the below grade tank as shown on the design plan.
- 4. As per 19.17.15.12 Subsection D, Paragraph 3, BR will inspect the below-grade tank at least monthly reviewing several items which include 1) containment berms adequate and no oil present, 2) tanks had no visible leaks or sign of corrosion, 3) tank valves, flanges, and hatches had no visible leaks and 4) no evidence of significant spillage of produced liquids. In addition, BR's multi-skilled operators (MSOs) are required to visit each well location once per week. If detected on either inspection, BR shall remove any visible or measurable layer of oil from the fluid surface of a below-grade tank in an effort to prevent significant 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.
- BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH 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, nonwaste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- 8. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 9. The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the belowgrade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation •
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice