tistrict II 301 W. Grand Ave., Artesia, NM 88210 <u>vistrict III</u> 000 Rio Brazos Rd., Aztec, NM 87410 <u>vistrict IV</u> 220 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-144 July 21, 2008 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.
	Pit, Closed-Loop System, Below-Grad	
Propose	ed Alternative Method Permit or Closur	e Plan Application
Type of action:	 X Permit of a pit, closed-loop system, below-grade t Closure of a pit, closed-loop system, below-grade Modification to an existing permit Closure plan only submitted for an existing permit below-grade tank, or proposed alternative method 	tank, or proposed alternative method tted or non-permitted pit, closed-loop system,
	pplication (Form C-144) per individual pit, closed-loc this request does not relieve the operator of liability should operations r	
environment. Nor does approval relie	we the operator of its responsibility to comply with any other applicable	governmental authority's rules, regulations or ordinances.
Detrator: Burlington Resources Oil	& Gas Company, LP	OGRID#: 14538
ddress: PO Box 4289, Farmingto	n, NM 87499	
acility or well name: SAN JUAN 2	8-6 UNIT 94A	
API Number:3	003923053 OCD Permit Numbe	r:
U/L or Qtr/Qtr: P Section Center of Proposed Design: Latitude urface Owner: Federal		6W County: Rio Arriba -107.4118°W NAD: X 1927 1 Allotment Image: Second Se
Lined Unlined Lin	avitation P&A	HDPE PVC Other bbl Dimensions L x W x D
Type of Operation: P&A Drying Pad Above Groun Lined Unlined	notice of intent) nd Steel Tanks Haul-off Bins Other	activities which require prior approval of a permit or
Liner Seams: Welded Fa		
Iner Seams: weided Fa X Below-grade tank: Subsection I Volume: 120 bt Tank Construction material:	Metal Metal Tection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	omatic overflow shut-off
X Below-grade tank: Subsection I Volume: 120 bt Tank Construction material:	Metal Metal Tection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	nspecified

6 <u>Fencing:</u> 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 (<i>Required if located within 1000 feet of a permanent residence, school, hospital,</i> Four foot height, four strands of barbed wire evenly spaced between one and four feet	institution or cl	nach)
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.		
Automate. Trease spectry 4 nog wire reacing topped with two strands barbed wire.		
7 <u>Netting:</u> Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		j
X Screen. Netting Other		
Monthly inspections (If netting or screening is not physically feasible)		
8		
Signs: Subsection C of 19.15.17.11 NMAC		
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC		
9 <u>Administrative Approvals and Exceptions:</u>		
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 co (Fencing/BGT Liner)	onsideration of a	approval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
10	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	Yes	XNo
Iake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)		
- 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.	TYes	ΠNo
(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 municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes	XNo
 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	Yes	XNo
Within the area overlying a subsurface mine.	Yes	XNo
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division		
Within an unstable area. Engineering measures incorporated into the device: NM Russey of Coology & Minard Reserves USCO, MM Contacting t	Yes	XNo
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map		
Within a 100-year Noodplain	Yes	XNo
- FEMA map		

Instructions: Each of the fe	gency Pits and Below-grade Tanks	Permit Application A	tachment Checklist: Subsection B of 19.15.17.9 NMAC
	flowing items must be attached to the ar	olication Phone nation	, by a check mark in the box, that the documents are attached.
The regulation of the region o			Paragraph (4) of Subsection B of 19.15.17.9 NMAC
Hydrogeologic Da	ita (Temporary and Emergency Pits)	- based upon the require	ments of Paragraph (2) of Subsection B of 19,15,17,9 NMAC.
X Siting Criteria Co	mpliance Demonstrations - based upo	the upper the require	subasts of 10.15.17.10 NiA 17
	ed upon the appropriate requirements		
	intenance Plan - based upon the appro-		
X Closure Plan (Plea 19.15.17.9 NMAC	ase complete Boxes 14 through 18, if 2 and 19,15,17,13 NMAC	applicable) - based upo	n the appropriate requirements of Subsection C of
Previously Approved	Design (attach copy of design)	API	or Permit
Instructions: Each of the Jo Geologic and Hydr Siting Criteria Cor Design Plan - base Operating and Mai	rogeologic Data (only for on-site clost mpliance Demonstrations (only for on ed upon the appropriate requirements intenance Plan - based upon the appro- ise complete Boxes 14 through 18, if a	plication. Please indicate ure) - based upon the re -site closure) - based up of 19.15.17.11 NMAC opriate requirements of	by a check mark in the box, that the documents are attached. quirements of Paragraph (3) of Subsection B of 19,15,17,9 on the appropriate requirements of 19,15,17,10 NMAC
Previously Approved I	Design (attach copy of design)	API	
Previously Approved (Operating and Maintenance Plan	API	
Instructions: Each of the fa Hydrogeologic Rep Siting Criteria Com Climatological Fact Certified Engineeri Dike Protection and Leak Detection Des Liner Specifications Quality Control/Qu Operating and Main Freeboard and Over	port - based upon the requirements of inpliance Demonstrations - based upor tors Assessment ing Design Plans - based upon the app d Structural Integrity Design: based u sign - based upon the appropriate requ	pplication. Please indicat Paragraph (1) of Subsect in the appropriate require propriate requirements of pon the appropriate req uirements of 19.15.17.1 red upon the appropriate callation Plan priate requirements of 1 in the appropriate require	e, by a check mark in the box, that the documents are attached. tion B of 19.15.17.9 NMAC ments of 19.15.17.10 NMAC if 19.15.17.11 NMAC irrements of 19.15.17.11 NMAC I NMAC requirements of 19.15.17.11 NMAC 9.15.17.12 NMAC
 Oil Field Waste Strop Monitoring and Insp Erosion Control Pla 	eam Characterization pection Plan n	of Subsection C of 10.1	
Oil Field Waste Stro Monitoring and Insp Erosion Control Pla Closure Plan - based	eam Characterization pection Plan n d upon the appropriate requirements o	of Subsection C of 19.1.	5.17.9 NMAC and 19.15.17.13 NMAC
Oil Field Waste Stra Monitoring and Insp Erosion Control Pla Closure Plan - based	eam Characterization pection Plan in d upon the appropriate requirements o		5.17.9 NMAC and 19.15.17.13 NMAC
Oil Field Waste Stro Oil Field Waste Stro Ontrol Pla Closure Plan - based Id Proposed Closure: 19.15 Instructions: Please complet Fype: Drilling Wo	eam Characterization pection Plan n d upon the appropriate requirements c	h 18. in regards to the pr	5.17.9 NMAC and 19.15.17.13 NMAC
Oil Field Waste Strophysics Monitoring and Insp Erosion Control Pla Closure Plan - based Identification Control Plan - based Identification Closure: 19.15 Instructions: Please complete	eam Characterization pection Plan in d upon the appropriate requirements of 5.17.13 NMAC ie the applicable boxes. Boxes 14 throug orkover Emergency Cavitatio X Waste Excavation and Removal Waste Removal (Closed-loop syst) On-site Closure Method (only for In-place Burial	h 18. in regards to the pr n P&A Perm (Below-Grade 1 tems only) temporary pits and clos On-site Trench	5.17.9 NMAC and 19.15.17.13 NMAC
Oil Field Waste Stro Monitoring and Insp Erosion Control Pla Closure Plan - based Id Proposed Closure: 19.15 Instructions: Please complet Type: Drilling Wo Alternative	eam Characterization pection Plan in d upon the appropriate requirements of 5.17.13 NMAC ie the applicable boxes. Boxes 14 throug orkover Emergency Cavitatio X Waste Excavation and Removal Waste Removal (Closed-loop syst) On-site Closure Method (only for In-place Burial	h 18. in regards to the pr n P&A Perm (Below-Grade 1 tems only) temporary pits and clos On-site Trench	5.17.9 NMAC and 19.15.17.13 NMAC
Oil Field Waste Stro Monitoring and Insp Erosion Control Pla Closure Plan - based Closure Plan - based Distructions: Please complet Type: Drilling Wo Alternative Proposed Closure Method: Soil Backfill and Com	eam Characterization pection Plan in d upon the appropriate requirements of 5.17.13 NMAC te the applicable boxes, Boxes 14 throug orkover Emergency Cavitatio X Waste Excavation and Removal Waste Removal (Closed-loop syst) On-site Closure Method (only for In-place Burial Alternative Closure Method (Exceents are of the the box, that the documents are of the the box, that the documents are of the the box, that the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the documents are of the the box of the the the documents are of the the box of the	h 18. in regards to the pr n P&A Perm (Below-Grade 1 tems only) temporary pits and clos On-site Trench eptions must be submittu 15.17.13 NMAC) Instruct utached. puirements of 19.15.17. the appropriate requirent fulling fluids and drill control the appropriate requirent to the appropriate requirent	5.17.9 NMAC and 19.15.17.13 NMAC posed closure plan. anent Pit X Below-grade Tank Closed-loop System (ank) ed-loop systems) ed to the Santa Fe Environmental Bureau for consideration) fions: Each of the following items must be attached to the closure plan. 13 NMAC ments of Subsection F of 19.15.17.13 NMAC uttings) ements of Subsection H of 19.15.17.13 NMAC
Oil Field Waste Stro Monitoring and Insj Erosion Control Pla Closure Plan - based Closure: 19.15 Instructions: Please complet Type: Drilling Wo Alternative Proposed Closure Method: S Vaste Excavation and Ree lease indicate, by a check m X Protocols and Procect X Confirmation Sampl X Disposal Facility Nai X Soil Backfill and Cov X Re-vegetation Plan -	eam Characterization pection Plan in d upon the appropriate requirements of 5.17.13 NMAC ie the applicable boxes. Boxes 14 throug orkover Emergency Cavitatio X Waste Excavation and Removal Waste Removal (Closed-loop syst On-site Closure Method (only for In-place Burial Alternative Closure Method (Exce emoval Closure Plan Checklist: (19. hark in the box, that the documents are of fures - based upon the appropriate requires - based upon the appropr	h 18. in regards to the pr n P&A Perm (Below-Grade T temporary pits and clos On-site Trench eptions must be submitte 15.17.13 NMAC) Instruc- utached. puirements of 19.15.17. the appropriate requirer. Irilling fluids and drill c on the appropriate require- ents of Subsection 1 of	5.17.9 NMAC and 19.15.17.13 NMAC oposed closure plan. anent Pit X Below-grade Tank Closed-loop System ank) ed-loop systems) ed to the Santa Fe Environmental Bureau for consideration) tions: Each of the following items must be attached to the closure plan. 13 NMAC nents of Subsection F of 19.15.17.13 NMAC uttings) ements of Subsection H of 19.15.17.13 NMAC 9.15.17.13 NMAC

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground	Steel Tanks or Hanl-off Bins(Only: (1945-1743)) NATAC	
is stole towns. I coase mentify the factory of factories for the alsposal of liquids, dry	illing fluids and drill outtings. Use attachment if more than tw) 0 facilities
are required.		
Disposal Facility Name:	Disposal Facility Permit #:	
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and associated acti Yes (If yes, please provide the information No		service and operations?
Required for impacted areas which will not be used for future service and operati	ons:	
Soil Backfill and Cover Design Specification - based upon the appr	opriate requirements of Subsection FL of 19,15,17,13 NM	AC
Re-vegetation Plan - based upon the appropriate requirements of Su	bsection I of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of	Subsection G of 19.15.17.13 NMAC	
17		
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 N	MAC	
Instructions: Each sitting criteria requires a demonstration of compliance in the closure pla certain uting criteria may require a hybridization and and a second second second second second second second s	an. Recommendations of acceptable source material are provided be	dow. Requests regarding changes to
certain siting criteria may require administrative approval from the appropriate district of for consideration of approval. Justifications and/or demonstrations of equivalency are re-	flice of may be considered an exception which must be submitted to it pured. Pleuse (effer to 19.15.17.10 NMAC for guidance.	ne Santa Fe Environmental Bureau office
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 	obtained from nearby wells	
Ground water is between 50 and 100 feet below the bottom of the buried w	aste	Yes No
NM Office of the State Engineer - iWATERS database search; USGS; Data (obtained from nearby wells	
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No
- NM Office of the State Engineer - iWATERS database search; USGS; Data of	obtained from nearby wells	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig (measured from the ordinary high-water mark).	nificant watercourse or lakebed, sinkhole, or playa lake	Yes No
 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	TYes No
- Visual inspection (certification) of the proposed site: Aerial photo: satellite im	age	
West reach the second second second		Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less purposes, or within 1000 horizontal fee of any other fresh water well or spring, in e.	than five households use for domestic or stock watering	
 NM Office of the State Engineer - iWATERS database: Visual inspection (cer 	tification) of the proposed site	
Within incorporated municipal boundaries or within a defined municipal fresh wate	r 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 (
Within 500 feet of a wetland	mained from the municipality	
- US Fish and Wildlife Wetland Identification map: Topographic map: Visual in	nspection (certification) of the proposed site	Yes No
Within the area overlying a subsurface mine.		Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mining and	d Mineral Division	
Within an unstable area.		Yes No
 Engineering measures incorporated into the design; NM Bureau of Geology & Topographic map 	Mineral Resources: USGS; NM Geological Society;	
Within a 100-year floodplain.		Yes No
- FEMA map		
18		
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Eac by a check mark in the box, that the documents are attached.	h of the following items must bee attached to the closur	e plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropria	ate requirements of 19.15.17.10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requirem	ents of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upon		
Construction/Design Plan of Temporary Pit (for in place burial of a dr	ying pad) - based upon the appropriate requirements of 19	15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements o	f 19.15.17.13 NMAC	
Confirmation Sampling Plan (if applicable) - based upon the appropria		
Waste Material Sampling Plan - based upon the appropriate requireme	nts of Subsection F of 19.15.17.13 NMAC	

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 Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC

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

Operator Application Certif				
Name (Print):	ion submitted with this application is true, acc Crystal Tafoya			
		Title:	Regulatory Technician	
Signature:	constal Japayo		12/22/2008	
e-mail address:	179568 98076-90000000001825 (D0)	Telephone:	505-326-9837	
20 OCD Approval: Permit OCD Representative Signate	Application (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
Title:			Approval Date:	
1100.		OCD Permi	Number:	
Instructions: Operators are requi report is required to be submitted	ithin 60 days of closure completion): Sub ired to obtain an approved closure plan prior i I to the division within 60 days of the completi obtained and the closure activities have been c	to implementing any closure on of the closure activities. ompleted.	activities and submitting the closure report. The Please do not complete this section of the form u Sompletion Date:	e closure ntil an
22 Closure Method:				
Waste Excavation and Re		Alternative Closure M	ethod Waste Removal (Closed-loop system	ns only)
23				
Closure Report Regarding Wast	te Removal Closure For Closed-loop System	s That Utilize Above Grou	nd Steel Tanks or Haul-off Bins Only:	
Instructions: Please identify the f were utilized.	facility or facilities for where the liquids, drill	ling fluids and drill cutting	were disposed. Use attachment if more than tw	vo facilities
Disposal Facility Name:		Disposal Facility Pe	mit Number	
Disposal Facility Name:		Disposal Facility Pe		
Were the closed-loop system of	perations and associated activities performed of	on or in areas that will not b	e used for future service and opeartions?	
Were the closed-loop system of Yes (If yes, please demons	perations and associated activities performed of strate complilane to the items below)	on or in areas that will not b	e used for future service and opeartions?	
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New Mexico Office of the State Engineer POD Reports and Downloads
Township: 27N Range: 05W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) C Non-Domestic C Domestic @ All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form IWATERS Menu Help
WATER COLUMN REPORT 08/20/2008

	-						3=SW 4=SE) smallest)			Depth	Depth	Water (in
POD Number	Tws	Rng	Sec	g	q	g	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		- / -
SJ 00046	27N	05W	04	4	4					506	260	246

New Mexico Office of the State Engineer POD Reports and Downloads										
Township: 27N Range: 06W	Sections:									
NAD27 X: Y:	Zone: Search Radius:									
County: Basin:	Number: Suffix:									
Owner Name: (First) (Last)	C Non-Domestic C Domestic C All									
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Clear Form	IWATERS Menu Help									

WATER COLUMN REPORT 08/20/2008

							3=SW 4=SH smallest			Depth	Depth	Water (in
POD Number	Tws	Rng	Sec	q	q	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

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Township: 28N	Range: 05W	Sections:			
NAD27 X:	Y:	Zone:	•	Search Radiu	s:
County: Basin:	[-	Num	ber:	Suffix:
Owner Name: (First)	(Last)		- r	Non-Domestic	C Domestic
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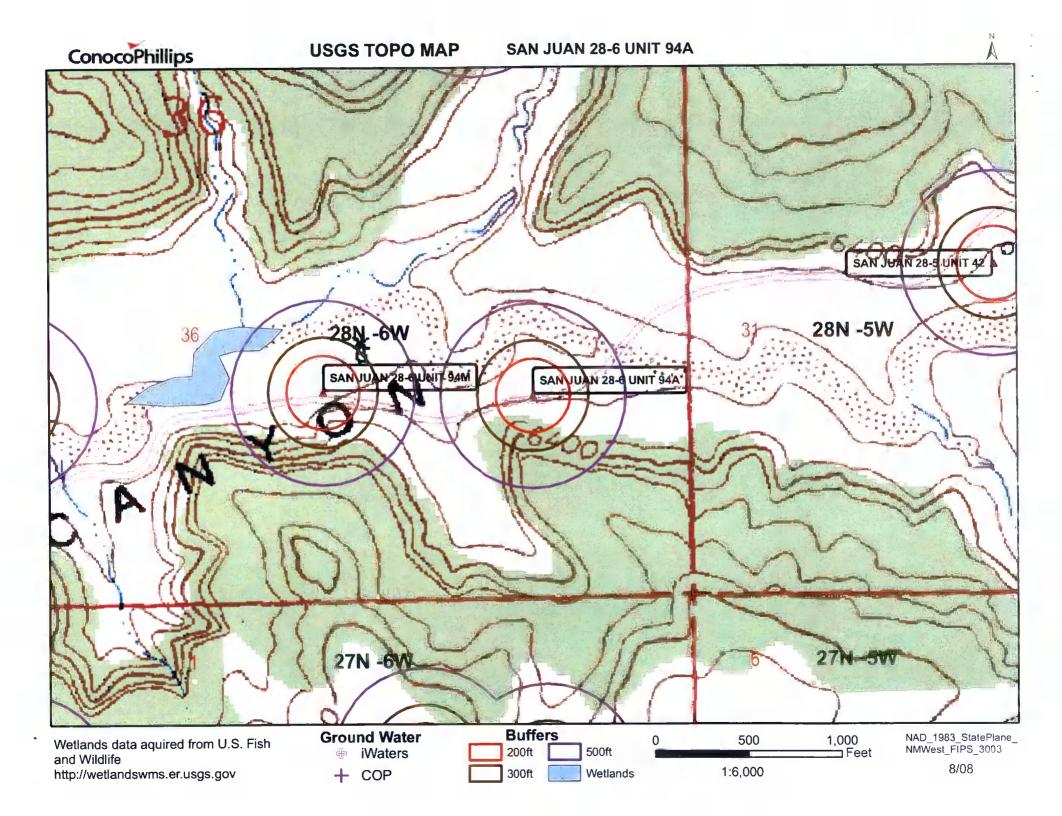
WATER COLUMN REPORT 08/20/2008

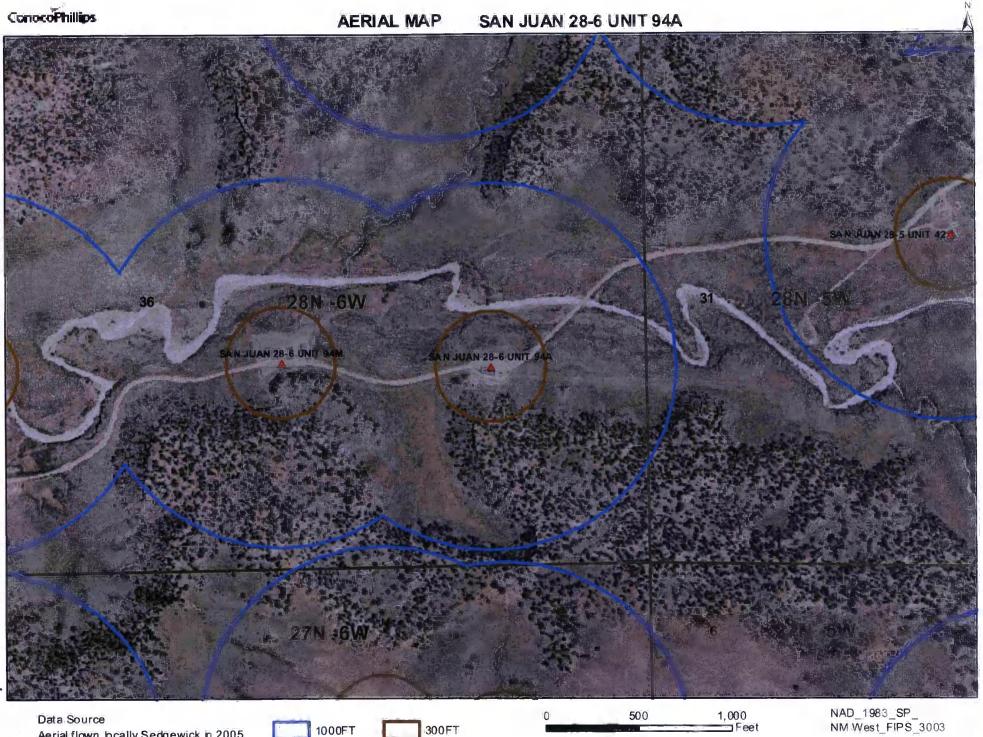
	(quarter: (quarter:								Depth	Depth	Water	(in
POD Number	Tws	Rng	Sec	g d	a a	Zone	x	Y	Well	Water	Column	
SJ 01893	28N	05W	18	4					390	290	100	
SJ 00047	28N	05W	28						465	265	200	
SJ 00036	28N	05W	28	3					303	243	60	

Page	1	of	1

New Mexico Office of the State Engineer POD Reports and Downloads		
Township: 28N Range: 06W Sections:		
NAD27 X: Y: Zone: Search Radius:		
County: Basin: Number: Suffix:		
Owner Name: (First) (Last) CNon-Domestic CDomestic All		
POD / Surface Data Report Avg Depth to Water Report Water Column Report		
Clear Form IWATERS Menu Help		
WATER COLUMN REPORT 08/20/2008		

(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Depth Depth Water (in POD Number Tws Rng Sec q q q Zone Х Y Well Water Column SJ 03700 POD1 28N 06W 12 2 2 4 450 200 250 SJ 03675 28N 06W 14 4 3 4 С 153167 2059732 420 100 320 SJ 03700 28N 06W 21 2 4 4 450 200 250 28N 06W 21 4 2 2 SJ 03043 290 240 50 28N 4 2 2 SJ 03005 06W 21 245 175 70 SJ 03443 28N 06W 22 3 3 3 300 SJ 00200 28N 06W 23 3 3 1551 SJ 03091 2 2 3 28N 06W 29 . 150 90 60





Aerial flown locally Sedgewick in 2005.

300FT

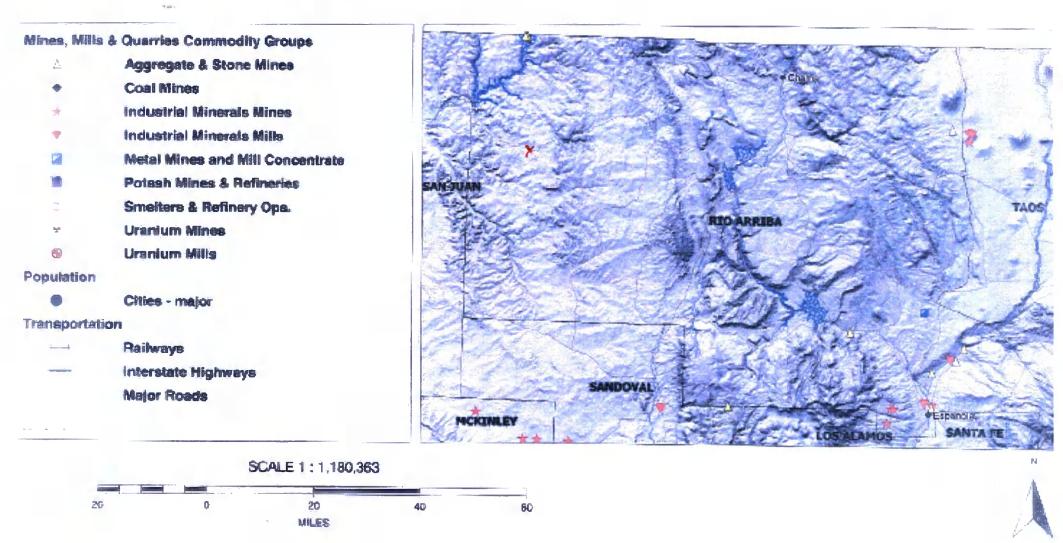
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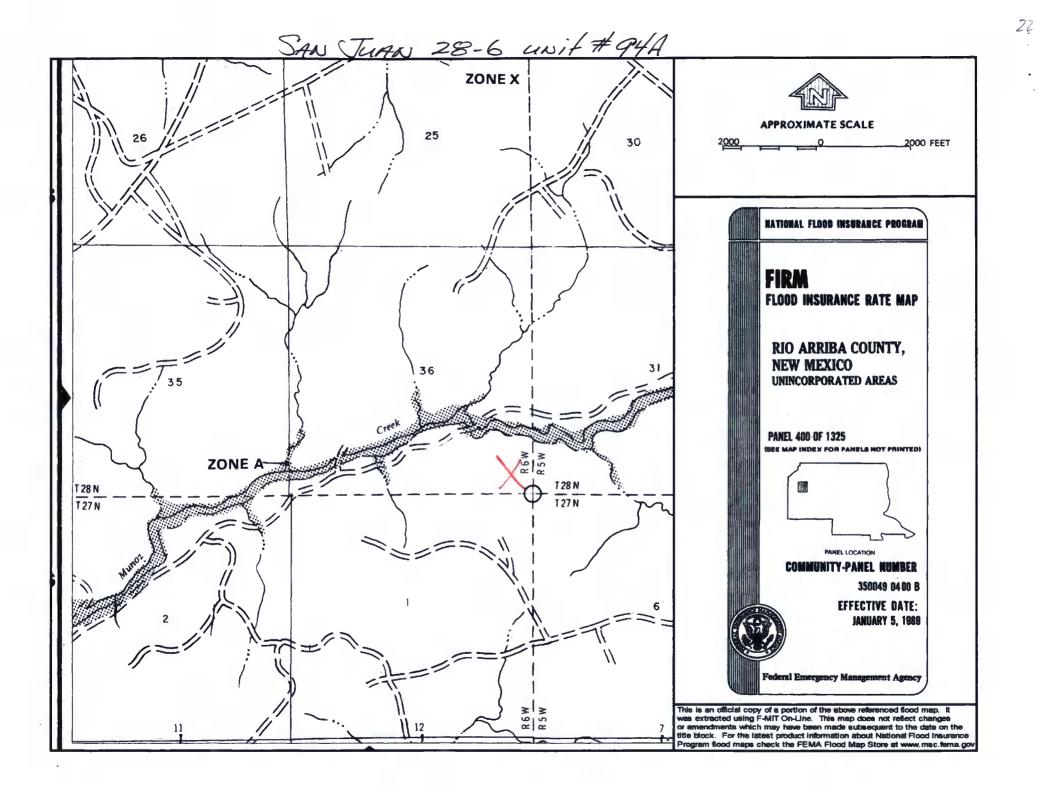
8/08

Mines, Mills and Quarries Web Map

SAN JUAN 28-6 UNIT 94A

Unit Letter: P, Section: 36, Town: 028N, Range: 006W





SAN JUAN 28-6 UNIT 94A

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 28-6 UNIT 94A', which is located at 36.61343 degrees North latitude and 107.4118 degrees West longitude. This location is located on the Santos Peak 7.5' USGS topographic quadrangle. This location is in section 36 of Township 28 North Range 6 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Turley, located 22.6 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 44.9 miles to the west (National Atlas). The nearest highway is US Highway 64, located 5.0 miles to the north. The location is on Private land and is 566 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 1958 meters or 6422 feet above sea level and receives 12 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinion-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 173 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 Munoz Creek and is 312 feet to the north and is classified by the USGS as a perennial stream. The nearest perrenial stream is named Munoz Creek and is 312 feet to the north. The nearest water body is 7,048 feet to the south. It is classified by the USGS as an intermittent lake and is 0.7 acres in size. The nearest spring is 17,473 feet to the north. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 13,153 feet to the southwest. The nearest wetland is a 3.0 acre Riverine located 1,572 feet to the west. The slope at this location is 9 degrees to the north as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION --Siltstone, shale, and sandstone with a Sandstone dominated formations of all ages substrate. 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 15.8 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Hydrogeological context:

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

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

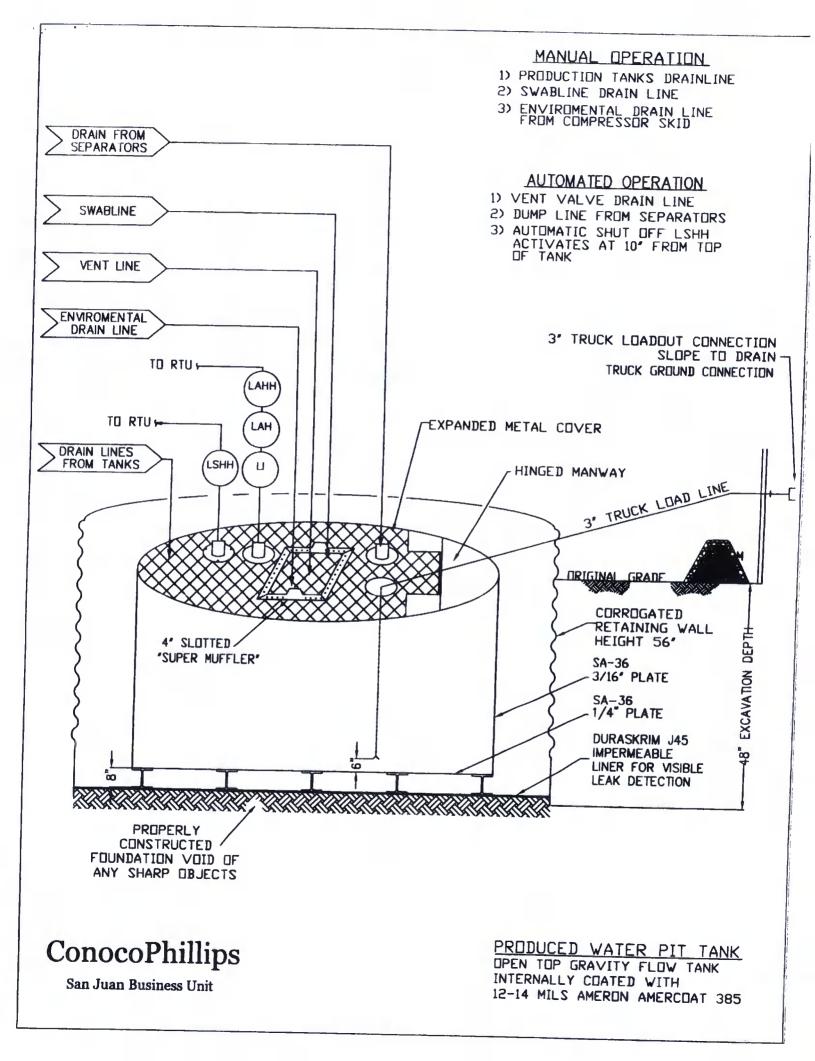
Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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

General Plan:

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

- 9. BR has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the BR MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from BR's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.
- 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 Typical Roll Averages Averages Averages Averages Averages Averages Appearance Black/Black Black/Black Black/Black Thickness. **ASTM D 5199** 27 mil 30 mil 32 mil 36 mil 40 mil 45 mil Weight Lbs Per MSF 126 lbs 140 lbs 151 lbs 168 lbs ASTM D 5261 189 lbs 210 lbs (oz/yd²) (18.14)(20.16)(21.74)(24.19)(27.21)(30.24)Construction **Extrusion laminated with encapsulated tri-directional scrim reinforcement Ply Adhesion **ASTM D 413** 16 lbs 20 lbs 19 lbs 24 lbs 25 lbs 31 lbs 88 lbf MD 110 lbf MD 1" Tensile Strength 90 lbf MD 113 lbf MD ASTM D 7003 110 lbf MD 138 lbf MD 63 lbf DD 79 lbf DD 70 lbf DD 87 lbf DD 105 lbf DD 84 lbf DD 1" Tensile Elongation @ 550 MD 750 MD 550 MD **ASTM D 7003** 750 MD 550 MD 750 MD Break % (Film Break) 550 DD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD 20 MD 30 MD ASTM D 7003 Peak % (Scrim Break) 20 MD 36 MD 20 DD 33 DD 20 DD 31DD 20 DD 36 DD 75 lbf MD 97 lbf MD **Tongue Tear Strength** 75 lbf MD **ASTM D 5884** 104 lbf MD 100 lbf MD 117 lbf MD 75 lbf DD 90 lbf DD 75 lbf DD 92 lbf DD 100 lbf DD 118 lbf DD 180 lbf MD 218 lbf MD Grab Tensile 180 lbf MD 222 lbf MD ASTM D 7004 220 lbf MD 257 lbf MD 180 lbf DD 210 lbf DD 180 lbf DD 223 lbf DD 220 lbf DD 258 lbf DD 120 lbf MD 146 lbf MD Trapezoid Tear 130 lbf MD ASTM D 4533 189 lbf MD 160 lbf MD 193 lbf MD 120 lbf DD 141 lbf DD 130 lbf DD 172 lbf DD 160 lbf DD 191 lbf DD

< 0.5

64 ibf

180° F

-70° F

MD = Machine Direction

* Dimensional Stability

Maximum Use Temperature

Minimum Use Temperature

Puncture Resistance

DD = Diagonal Directions

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

<1

65 lbf

180° F

-70° F

<0.5

83 lbf

180° F

-70° F

*Dimensional Stability Maximum Value

<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.

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO: no guarantee of substructory results from parance upon contained information or recommendations and pisotaims uil rapisty for resulting loss or damage.

RAVEN Industries

PLANT LOCATION

Sioux Falls, South Dakota

SALES OFFICE

<1

80 lbf

180° F

-70° F

<0.5

99 lbf

180° F

-70° F

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



ASTM D 1204

ASTM D 4833

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 REFERRED TO HEREIN AND RAVEN INDUSTRIES INC. DISCLAIMS ANY LIABILITY FOR ANY WARRANTIES GIVEN BY ANY OTHER PERSON OR ENTITY, EITHER WRITTEN OR ORAL.

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

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

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

General Plan:

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

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

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

General Requirements:

- BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I o f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; and the chloride concentration, as determined by EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.
- 6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

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

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- ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- 9. The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice