District I	State of New Mexico	Form C-144
1625 N. French Dr., Hobbs, NM 88240	Energy Minerals and Natural Resources	July 21, 200
District II 1301 W. Grand Ave., Artesia, NM 88210	Department Oil Conservation Division 1220 South St. Francis Dr.	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
District III 1000 Rio Brazos Rd., Aztec, NM 87410 District W	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87.	505	appropriate NMOCD District Office.
	Pit, Closed-Loop System, Below-Grad	le Tank, or
Pro	posed Alternative Method Permit or Closur	re Plan Application
Type of actio	n: X Permit of a pit, closed-loop system, below-grade	tank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade	e tank, or proposed alternative method
	Modification to an existing permit	
	Closure plan only submitted for an existing permit below-grade tank, or proposed alternative method	
Instructions: Please submit (	one application (Form C-144) per individual pit, closed-lo	
	oval of this request does not relieve the operator of liability should operations	
	val relieve the operator of its responsibility to comply with any other applicable	
1 Operator: Burlington Resource	es Oil & Gas Company, LP	OGRID#: 14538
Address: PO Box 4289, Farm		TTUU
Facility or well name: VANDE		
API Number:	3004520996 OCD Permit Number	er:
		10W County: San Juan
Center of Proposed Design: Las		-107.91957°W NAD: X 1927 1983
Surface Owner: X Federa		
Temporary:       Drilling         Permanent       Emergency         Lined       Unlined         String-Reinforced       Liner Seams:		HDPE PVC Other
Type of Operation: P&A	bsection H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) Ground Steel Tanks Haul-off Bins Other Liner type: Thicknessmil LLDPE F Factory Other	
4       X       Below-grade tank:       Subsect         Volume:       120         Tank Construction material:	bbl Type of fluid: Produced Water  Metal  ak detection X Visible sidewalls, liner, 6-inch lift and aut Visible sidewalls only Other	Unspecified
Submittal of an exception request	is required. Exceptions must be submitted to the Santa Fe Enviro	onmental Bureau office for consideration of approval.
Form C-144	Oil Conservation Division	Page 1 of 5
		23

<sup>5</sup> 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 (Required if located within 1000 feet of a permanent residence, school, hospital, in	istitution or ch	urch)
Four foot height, four strands of barbed wire evenly spaced between one and four feet		
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.		and to be
7		
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		States (1999) and
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		
A signed in compliance with 197153-169 founde		
9 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:	6.3	
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)	nsideration of a	approval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	812	
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
<ul> <li>Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).</li> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes	XNo
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	XNo
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	<b>NA</b>	
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No
(Applied to permanent pits)	XNA	_
- 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.		- 67
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes	XNo
<ul> <li>Within 500 feet of a wetland.</li> <li>US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site</li> </ul>	Yes	XNo
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	XNo
Within an unstable area.	Yes	XNo
- 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	XNo

Oil Conservation Division

				st: Subsection B of 19.15.17.9 NMAC the box, that the documents are attached.
and a second	ort (Below-grade Tanks) - based up			
				n (2) of Subsection B of 19.15.17.9
X Siting Criteria Com	pliance Demonstrations - based up	on the appropriate re-	quirements of 19.15.17	
	1 upon the appropriate requirements			Dental Manufactory above where a survey of
X Operating and Main	ntenance Plan - based upon the app	ropriate requirements	of 19.15.17.12 NMAC	e constraint from plantaments of the constraint
X Closure Plan (Pleas	e complete Boxes 14 through 18, if and 19, 15, 17, 13 NMAC			
Previously Approved D	Design (attach copy of design)	API		or Permit
Instructions: Each of the foll	ogeologic Data (only for on-site closed	pplication. Please indic sure) - based upon the	cate, by a check mark in the requirements of Paraget	the box, that the documents are attached. graph (3) of Subsection B of 19.15.17.9 requirements of 19.15.17.10 NMAC
H	1 upon the appropriate requirements			requirements of 19.15.17.10 HMAC
H	ntenance Plan - based upon the appr			
H .				
NMAC and 19.15.1		applicable) - based u	pon the appropriate re-	quirements of Subsection C of 19.15.17.9
Previously Approved D	esign (attach copy of design)	API	and the second second	-
Previously Approved O	perating and Maintenance Plan	API	STRAIN IN	- The Marine Stre
Instructions: Each of the fol Hydrogeologic Rep Siting Criteria Com Climatological Fact Certified Engineerin Dike Protection and Leak Detection Des Liner Specifications Quality Control/Qua Operating and Main Freeboard and Over Nuisance or Hazard Emergency Respons Oil Field Waste Stre Monitoring and Insp Erosion Control Plan	ort - based upon the requirements o pliance Demonstrations - based upon ors Assessment ng Design Plans - based upon the ap 1 Structural Integrity Design: based ign - based upon the appropriate re- and Compatibility Assessment - based ality Assurance Construction and In the tenance Plan - based upon the appr topping Prevention Plan - based up ous Odors, including H2S, Prevention e Plan cam Characterization bection Plan	application. Please ind of Paragraph (I) of Sui on the appropriate requirement upon the appropriate quirements of 19.15. ased upon the approprist astallation Plan ropriate requirements ion the appropriate requirements ion Plan	ficate, by a check mark i basection B of 19.15.17. quirements of 19.15.17. Its of 19.15.17.11 NM. requirements of 19.15. 17.11 NMAC riate requirements of 1 of 19.15.17.12 NMAC quirements of 19.15.17	.10 NMAC AC .17.11 NMAC 9.15.17.11 NMAC 2 7.11 NMAC
roposed Closure: 19.15	.17.13 NMAC e the applicable boxes, Boxes 14 throu	unh 18 in manuals to th	the proposed classes size	
ype: Drilling Wo				w-grade Tank Closed-loop System
roposed Closure Method:	X Waste Excavation and Remova Waste Removal (Closed-loop s On-site Closure Method (only f	ystems only) for temporary pits and On-site Trench	closed-loop systems)	
- And Station	Alternative Closure Method (E	xceptions must be sub	mitted to the Santa Fe E	Environmental Bureau for consideration)
lease indicate, by a check m	emoval Closure Plan Checklist: (1 bark in the box, that the documents ar dures - based upon the appropriate r	re attached.		ollowing items must be attached to the closure pl
_	ing Plan (if applicable) - based upor			n F of 19.15.17.13 NMAC
Local .	me and Permit Number (for liquids			
				tion H of 19 15 17 13 NMAC
=				
X Soil Backfill and Co X Re-vegetation Plan -	ver Design Specifications - based u based upon the appropriate require un - based upon the appropriate requ	pon the appropriate ments of Subsection	equirements of Subsect I of 19.15.17.13 NMA	с

16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground 2 Instructions: Please identify the facility or facilities for the disposal of liquids, drill are required.		facilities
Disposal Facility Name:		
Disposal Facility Name:	Disposal Facility Permit #:	an an a subject to a day
Will any of the proposed closed-loop system operations and associated activ Yes (If yes, please provide the information No	vities occur on or in areas that will not be used for future	service and operations?
Required for impacted areas which will not be used for future service and operatio     Soil Backfill and Cover Design Specification - based upon the appro     Re-vegetation Plan - based upon the appropriate requirements of Sut     Site Reclamation Plan - based upon the appropriate requirements of Sut	priate requirements of Subsection H of 19.15.17.13 NM. section I of 19.15.17.13 NMAC	AC
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17.10 NM Instructions: Each siting criteria requires a demonstration of compliance in the closure pla certain siting criteria may require administrative approval from the appropriate district off for consideration of approval. Justifications and/or demonstrations of equivalency are requi-	n. Recommendations of acceptable source material are provided be fice or may be considered an exception which must be submitted to th	
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 of	obtained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buried wa	ante.	Yes No
<ul> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data o</li> </ul>		
Ground water is more than 100 feet below the bottom of the buried waste.		Yes No
<ul> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data o</li> </ul>	btained from nearby wells	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sign (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 - Visual inspection (certification) of the proposed site; Aerial photo; satellite images and the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the proposed site; Aerial photo; satellite images are set of the		Yes No
- visual inspection (certification) of the proposed site, Aerial photo; satellite inte	age	
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 ex - NM Office of the State Engineer - iWATERS database: Visual inspection (cert	xistence at the time of the initial application.	
Within incorporated municipal boundaries or within a defined municipal fresh water pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval of		Yes No
Within 500 feet of a wetland	Joannea nom me maneipanty	
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual in	nspection (certification) of the proposed site	
Within the area overlying a subsurface mine.		Yes No
- Written confiramtion or verification or map from the NM EMNRD-Mining and	d Mineral Division	
Within an unstable area.		Yes No
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Topographic map</li> </ul>	Mineral Resources; USGS; NM Geological Society;	Sec. 1. 53 9
Within a 100-year floodplain. - FEMA map		Yes No
<sup>18</sup> On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	ch of the following items must bee attached to the closu	re plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropri	ate requirements of 19.15.17.10 NMAC	S. TOR Corner
Proof of Surface Owner Notice - based upon the appropriate requirem		A 4315 115 1
Construction/Design Plan of Burial Trench (if applicable) based upon		Martin Carlos Content
Construction/Design Plan of Temporary Pit (for in place burial of a dr	rying pad) - based upon the appropriate requirements of 1	9.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requirements of		
Confirmation Sampling Plan (if applicable) - based upon the appropria	ate requirements of Subsection F of 19.15.17.13 NMAC	Children Row 200 7
Waste Material Sampling Plan - based upon the appropriate requirement	ents of Subsection F of 19.15.17.13 NMAC	
Disposal Facility Name and Permit Number (for liquids, drilling fluids	s and drill cuttings or in case on-site closure standards ca	nnot be achieved)
Soil Cover Design - based upon the appropriate requirements of Subset		1
Re-vegetation Plan - based upon the appropriate requirements of Subs		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Site Reclamation Plan - based upon the appropriate requirements of S	ubsection G of 19.15.17.13 NMAC	

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A1			best of my knowledge and belief.	
Name (Print):	Crystal Tafoya	Title:	Regulatory Technician	
Signature:	tatova@conocopylilips.com	Date:	12/22/2008	
and the second	taiova va conocopanijo a com	Telephone:	505-326-9837	
20	and the second se	and the second second second		
OCD Approval: Permit Applic	cation (including closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative Signature:			Approval Date:	
			The second se	
Title:		OCD Pern	it Number:	
21			and the second se	
Closure Report (required within 60				
			re activities and submitting the closure report. The closure s. Please do not complete this section of the form until an	
approved closure plan has been obtained	and the closure activities have been o	completed.		
		Closure	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, p	please explain.	and the second second		
3				
			ound Steel Tanks or Haul-off Bins Only: ags were disposed. Use attachment if more than two facilities	
vere utilized.	er jacantes jer matre nie aquina, un		as note apposed. Ose and more many more many more factures	
Disposal Facility Name:		Disposal Facility	Permit Number:	
Disposal Facility Name:		Disposal Facility		
Yes (If yes, please demonstrate co			be used for future service and opeartions?	
		INO		
-		No		
Required for impacted areas which wi Site Reclamation (Photo Docume	ill not be used for future service and of	_		
Required for impacted areas which wi	ill not be used for future service and operation)	_		
Required for impacted areas which wi	ill not be used for future service and openation) lation	_		
Required for impacted areas which wi     Site Reclamation (Photo Docume     Soil Backfilling and Cover Install     Re-vegetation Application Rates a	ill not be used for future service and of entation) lation and Seeding Technique	perations:		
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Page 5 of 5

### w Mexico Office of the State Engineer

### New Mexico Office of the State Engineer **POD Reports and Downloads** Range: 10W Sections: Township: 32N Zone: Search Radius: NAD27 X: Y: County: Number: Suffix: Basin: ONon-Domestic ODomestic OAll Owner Name: (First) (Last) Avg Depth to Water Report Water Column Report POD / Surface Data Report iWATERS Menu Help **Clear Form**

WATER COLUMN REPORT 08/20/2008

POD Number			bi	gge	est	to	3=SW 4=SH smallest Zone	Y	Depth Well	Depth Water	Water	(in	feet)
SJ 01424	32N	10W				-			164	94	70		
SJ 00528	32N	10W		1	1	2			240	100	140		
SJ 00263	32N	10W		3		2			108	50	58		
SJ 01177	32N	10W		3					83	38	45		
SJ 01688	32N	10W		4	3	3			23	6	17		
SJ 01153	32N	10W		1					100	47	53		
SJ 03078	32N	10W		1	2	2			. 21	18	3		
SJ 03527	32N	10W		1	4				80				
SJ 01290	32N	10W		3					105	20	85		
SJ 02845	32N	10W		3	2	3			11	5	6		
SJ 01157	32N	10W			2								
SJ 03429	32N	10W			1	3			103	54	49		
SJ 02144	32N	10W							87	62	25		
SJ 01512	32N	10W		2	3				77	67	10		
SJ 00446	32N	10W	21	2	3	4			76	60	16		
SJ 03483	32N	10W	21	2	4	1			90				
SJ 02381	32N	10W	21	2	4	3			65				
SJ 01435	32N	10W	21	4	3				70	40	30		
SJ 00489	32N	10W	21	4	4	1			65	30	35		
SJ 03072	32N	10W	22	1	1	1			80	62	18		
SJ 02980	32N	10W	22	1	1	3			65	36	29		
SJ 03307	32N	10W	22	1	1	4			60	20	40		
SJ 03000	32N	10W	22	1	1	4			105	19	86		
SJ 00153	32N	10W	28	4	1				23	14	9		
SJ 01356	32N	10W	31	3	3				65	50	15		
SJ 00323	32N	10W	33						25	15	10		
SJ 01546	32N	10W		2	2	3			230	160	70		
SJ 01897	32N	10W			4				54	25	29		
SJ 00231	32N	100		4					50	27	23		
SJ 01346	32N	10W		4	1				70	40	30		
SJ 01222	32N	100			1				41	34	7		
SJ 02733	32N	10W			1	3			28	16	12		

http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

w Mexico Office of the State Engineer

SJ	00860		32N	10W	33	4	2		
SJ	01110		32N	10W	33	4	2	4	
SJ	01577		32N	10W	33	4	3		
SJ	03495		32N	10W	33	4	3	3	
SJ	03568		32N	10W	33	4	3	3	
SJ	03778	POD1	32N	10W	33	4	3	4	
SJ	02789		32N	10W	33	4	4	4	
SJ	00718		32N	10W	34	1	3		
SJ	00586		32N	10W	34	3			
SJ	00534		32N	10W	34	3			
SJ	01490		32N	10W	34	3	1		
SJ	01029		32N	10W	34	3	1		
SJ	03067		32N	10W	34	3	1	1	
SJ	02809		32N	10W	34	3	1	1	
SJ	03672		32N	10W	34	3	1	2	
SJ	02757	5 . A.	32N	10W	34	3	1	2	
SJ	03068		32N	100	34	3	1	4	
SJ	00921	-1	32N	10W	34	3	3	1	
SJ	01389	1. 1. 1. 1. 1. 1.	32N	10W	34	3	3	1	
SJ	03731	POD1	32N	10W	34	3	3	3	

	70	28	42
	60	20	40
	44	20	24
	40	6	34
	80	8	72
2159896	60	30	30
	31	18	13
	31	13	18
	34	8	26
4	28	12	16
	48	20	28
	31	7	24
	20		
	30		
	25	10	15
	29	12	17
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	35	6	29
	22	12	10
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Record Count: 52

New Mexico Office of the State Engineer

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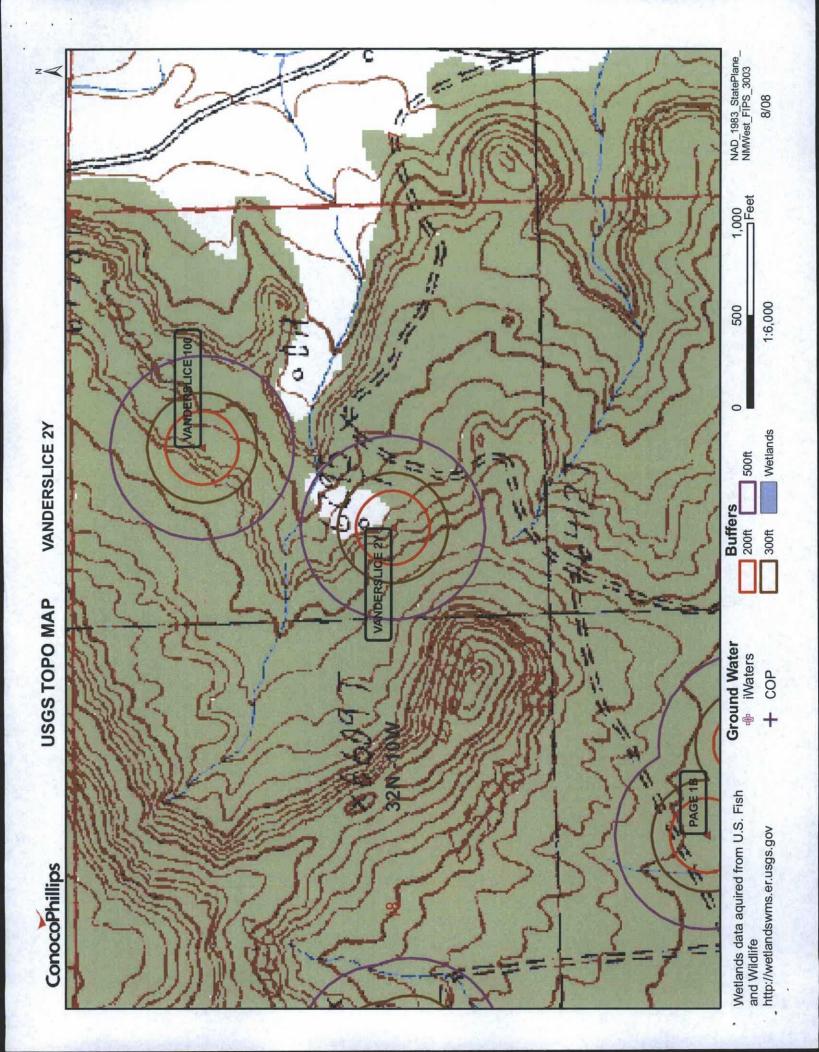
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Township: 32M	Range: 11W	Sections:	
NAD27 X:	Y:	Zone: Search Radius:	
County: B	asin:	Number: Suffix:	
owner Name: (First)	(Last)	O Non-Domestic O Domestic	All
POD / Surface Data Re	port Avg	Depth to Water Report Water Column Report	

### WATER COLUMN REPORT 08/20/2008

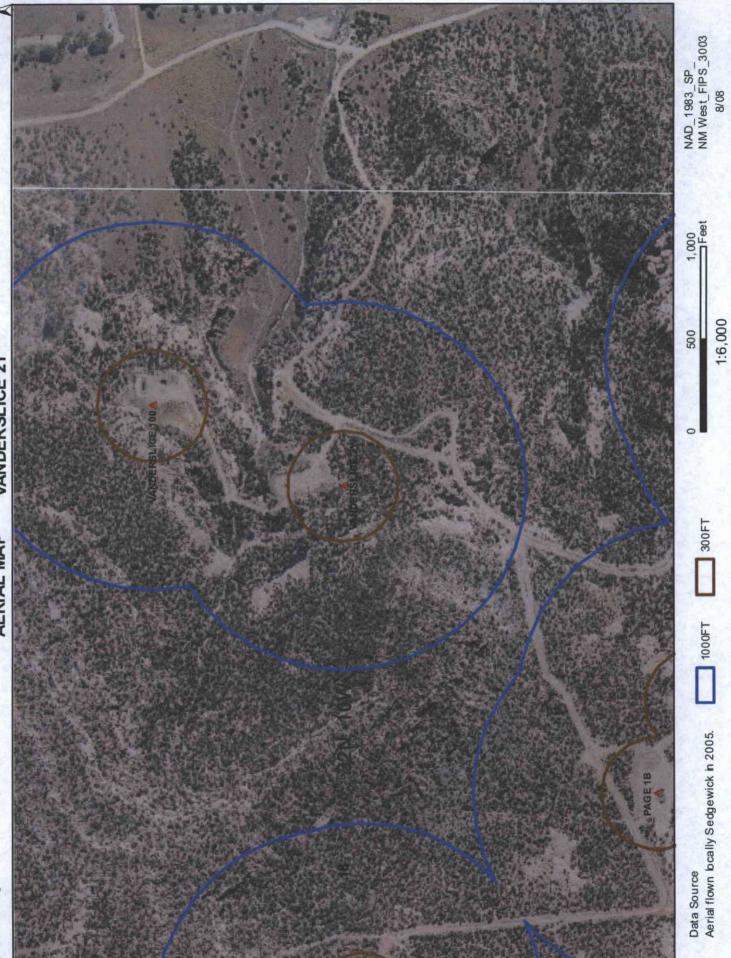
							3=SW 4=SE) smallest)			Depth	Depth	Water	(in	feet)
POD Number	Tws	Rng	Sec	q	g	g	Zone	х	Y	Well	Water	Column		
SJ 01360	32N	11W	19	2	2					180	155	25		
SJ 01327	32N	11W	23	2	2	3				90	50	40		
SJ 00021	32N	11W	23	3						585				
SJ 00017	32N	11W	24	2						105				
SJ 00020	32N	11W	29	3						588				
SJ 00026	32N	11W	33	2						321		4		

Record Count: 6



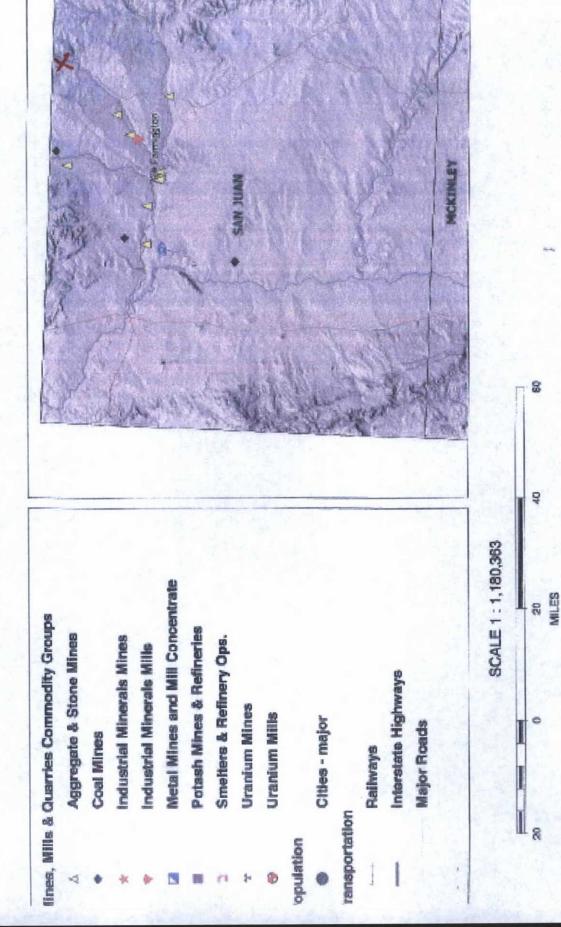


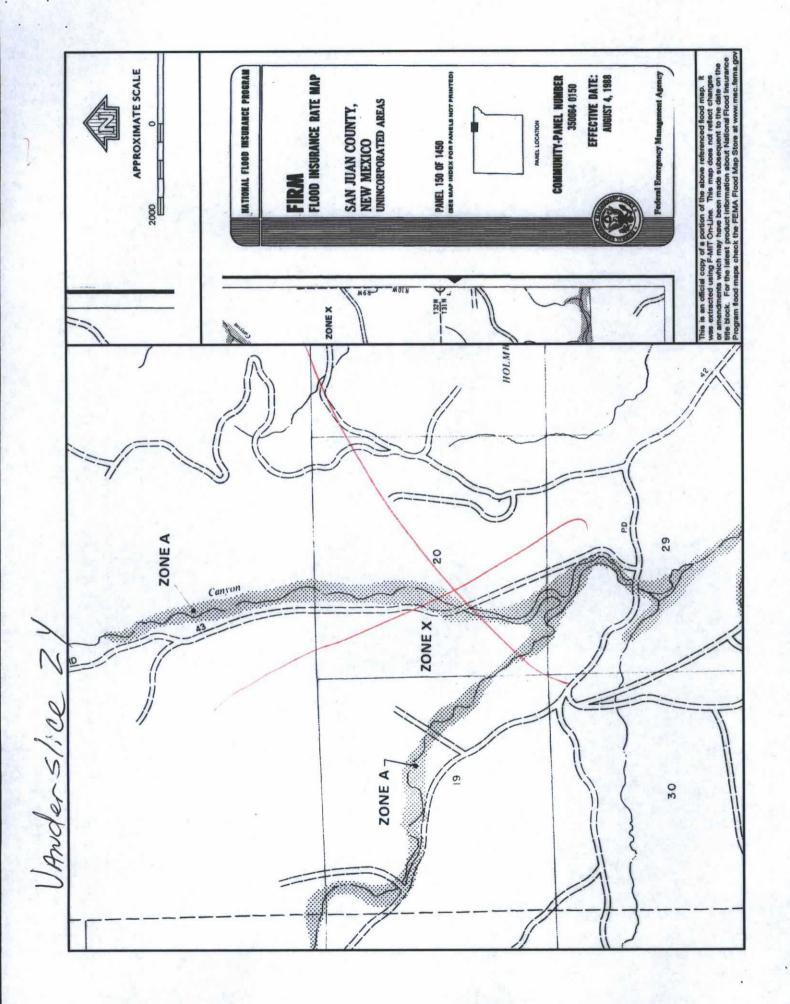
AERIAL MAP VANDERSLICE 2Y



# Mines, Mills and Quarries Web Map **VANDERSLICE 2Y**

Unit Letter: G, Section: 18, Town: 032N, Range: 010W





### **VANDERSLICE 2Y**

### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'VANDERSLICE 2Y', which is located at 36.98732 degrees North latitude and 107.91957 degrees West longitude. This location is located on the Cedar Hill 7.5' USGS topographic quadrangle. This location is in section 18 of Township 32 North Range 10 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in San Juan County, New Mexico. The nearest town is Cedar Hill, located 3.7 miles to the southeast. The nearest large town (population greater than 10,000) is Durango, located 19.9 miles to the north (National Atlas). The nearest highway is US Highway 550, located 2.2 miles to the southeast. The location is on BLM land and is 1,466 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Animas. Colorado, New Mexico, Subbasin. This location is located 1935 meters or 6346 feet above sea level and receives 14.5 inches of rain each year. The vegetation at this location is classified as Colorado Plateau Pinon-Juniper Woodland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 260 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 437 feet to the north and is classified by the USGS as an intermittent stream. The nearest perrenial stream is 9,788 feet to the southeast. The nearest water body is 5.614 feet to the west. It is classified by the USGS as a perennial lake and is 0.1 acres in size. The nearest spring is 4.802 feet to the northeast. All stream, river, water body and spring information was determined as per the USGS Hydrographic Dataset (High Resolution), downloaded 3/2008. The nearest water well is 6.990 feet to the southwest. The nearest wetland is a 4.9 acre Ravine located 10.065 feet to the southeast. The slope at this location is 8 degrees 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 NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Rock outcrop-Travessilla-Weska complex, extremely steep' and is well drained and not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 2.2 miles to the southeast as indicated on the Mines. Mills and Quarries Map of New Mexico provided.

### **Regional Geological context:**

The Nacimiento Formation is of Paleocene age (Baltz, 1967, p. 35). It crops out in a broad band inside the southern and western margins of the central basin and in a narrow band along the west face of the Nacimiento Uplift. The Nacimiento is a nonresistant unit and typically erodes to low, rounded hills or forms badland topography.

The Nacimiento Formation occurs in approximately only the southern two-thirds of the San Juan Basin where it comnformably overlies and intertongues with the Ojo Alamo Sandstone (Fassett, 1974, p. 229). The Nacimiento Formation grades laterally into the main part of the Animas Formation (Fassett and Hinds, 1971, p. 34); thus, in this area, the two formations occupy the same stratigraphic interval. Strata of the Nacimiento Formation were deposited in lakebeds in the central basin area with lesser deposition in stream channels (Brimhall, 1973, p. 201). In general, the Nacimiento consists of drab, interbedded black and gray shale with discontinuous, white, medium- to very coarse grained arkosic sandstone (Stone e al., 1983, p.30). Stone et al. indicated that the formation may contain more sandstone than commonly reported because some investigators assume the slope-forming strata in the unit area shales, whereas in many places the strata actually are poorly consolidated sandstones.

Total thickness of the Nacimiento Formation ranges from about 500 to 1,300 feet. The unit generally thickens from the basin margins toward the basin center (Steven et al., 1974). The sandstone deposits within the Nacimiento Formation are much thinner than the total thickness of the formation because their environment of deposition was localized stream channels (Brimhall, 1973, p. 201). The thickness of the combined San Jose, Animas, and Nacimiento Formations ranges from 500 to more than 3.500 feet.

### Hydraulic Properties:

Reported well yields for 53 wells completed in either the Animas or Nacimiento Formations range from 2 to 90 gallons per minute and the median yield is 7.5 gallons per minute. The primary use of water from Nacimiento and Animas Formations is domestic and livestock supplies. There are no known aquifer tests for the Animas or Nacimiento Formations, but specific capacities reported for six wells range from 0.24 to 2.30 gallons per minute per foot of drawdown (Levings et al., 1990).

The Animas and Nacimiento Formations are in many ways hydrologically similar to the San Jose Formation because sands in both units produce approximately the same quantities of water. However, the greater percentage of fine materials in the Animas and Nacimiento Formations may restrict downward vertical leakage to the Ojo Alamo Sandstone or Kirtland Shale. The poorly cemented fine material is highly erodible, forms a badland terrain, and supports only spotty vegetation. These conditions are more conductive to runoff than retention of precipitation.

### **References:**

Baltz, E.H., 1967, Stratigraphy and regional tectonic implications of part of Upper Cretaceous rocks, eastcentral San Juan Basin, New Mexico: USGS Professional Paper 552, 101 p.

Brimhall, R.M., 1973, Ground-water hydrology of Tertiary rocks of the San Juan Basin, New Mexico, in Fassett, J.E., ed., Cretaceous and Tertiary rocks of the Southern Colorado Plateau: Four Corners Geological Society Memoir, p. 197-207.

Fassett, J.E., 1974, Cretaceous and Tertiary rocks of the eastern San Juan Basin, New Mexico and Colorado, in Guidebook of Ghost Ranch, central-northern New Mexico: New Mexico Geological Society, 25th Field Conference, p. 225-230.

Fassett, J.E., and Hinds, J.S., 1971, Geology and fuel resources of the Fruitland Formation and Kirtland Shale of the San Juan Basin, New Mexico and Colorado: USGS Professional Paper 676, 76 p. Levings, G.W., Craigg, S.d., Dam, W.L., Kernodle, J.M., and Thorn, C.R., 1990, Hydrogeology of the San Jose, Nacimiento, and Animas Formations in the San Juan structural basin, New Mexico, Colorado, Arizona, and Utah: USGS Hydrologic Investigations Atlas HA-720-A, 2 sheets.

Stone, W.J., Lyford, F.P., Frenzel, P.F., Mizell, N.H., and Padgett, E.T., 1983, Hydrogeology and water resources of San Juan Basin, New Mexico: New Mexico Bureau of Mines and Mineral Resources, Hydrologic Report 6.

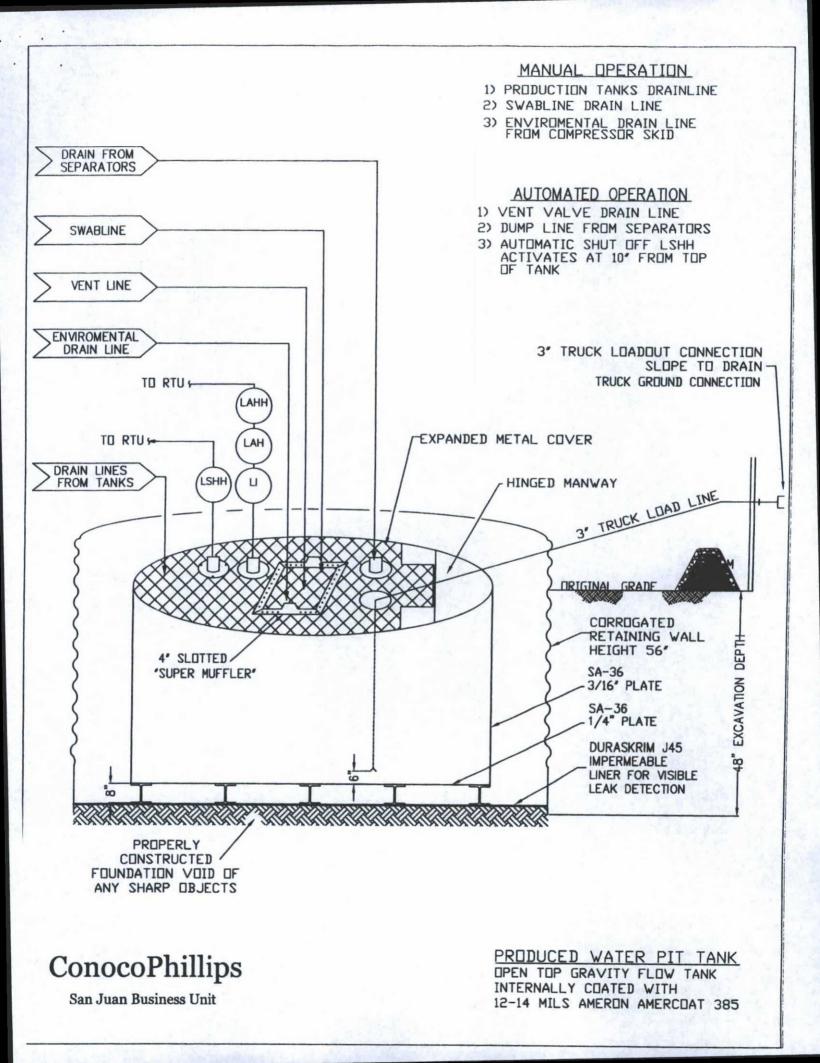
### Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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

### General Plan:

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

- 9. BR has equipped the below-grade tanks with the ability to detect high level in the tank and provide alarm notification and shutdown process streams into the tank. Once high level is detected RTU logic closes the inlet separator sales valve and does not permit vent valve to open. This shutdown of the sales valve and gagging of the vent valves prevents any hydrocarbon process streams from entering the pit tank once a high level is detected. Furthermore, an electronic page is sent to the BR MSO for that well site and to the designated contract "Water-Hauling" Company indicating a high level and that action must be taken to address this alarm. The environmental drain line from BR's compressor skid under normal operating conditions is in the open position. The environmental drain line is in place to capture any collected rain water or spilled lubricants from our compressor skids. The swab drain line is a manually operated drain and by normal operating procedures is in the closed position. The tank drain line is also a manually operated drain and during normal operations it is in the closed position.
- 10. The geomembrane liner consists of a 45-mil flexible LLDPE material manufactured by Raven Industries as J45BB. This product is a four layer reinforced laminated containing no adhesives. The outer layers consist of a high strength polyethylene film manufactured using virgin grade resins and stabilizers for UV resistance in exposed applications. The J45BB is reinforced with 1300 denier (minimum) tri-directional scrim reinforcement. It exceeds ASTMD3083 standard by 10%. J45BB has a warranty for 20 years from Raven Industries and is attached. It is typically used in Brine Pond, Oilfield Pit liner and other industrial applications. The manufacture specific sheet is attached and the design attached displays the proper installation of the liner.
- 11. The general specification for design and construction are attached in the BR document.



# DURA-SKRIM®

PROPERTIES	TEST METHOD	J3	OBB	J3I	68 <b>8</b>	J4588		
$= \left\{ \left\{ {{{\mathbf{x}}_{i}},{{\mathbf{x}}_{i}}} \right\}_{i=1}^{k} = \left\{ {{{\mathbf{x}}_{i}},{{\mathbf{x}}_{i}} \right\}_{i=1}^{k} = \left\{ {{{\mathbf{x}}_{i}},{{\mathbf{x}},{{\mathbf{x}}}} \right\}_{i=1}^{k} = \left\{ {{{\mathbf{x}}_{i}},$		Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	Min. Roll Averages	Typical Roll Averages	
Appearance		Blac	k/Black	Black	/Black	Black	/Black	
Thickness	ASTM D 5199	27 mil	30 mil	32 mil	36 mil	40 mil	45 mil	
Weight Lbs Per MSF (oz/yd²)	ASTM D 5261	126 lbs (18.14)	140 lbs (20.16)	151 lbs (21.74)	168 lbs (24.19)	189 lbs (27.21)	210 lbs (30.24)	
Construction	1.0	**Extr	usion laminated	with encapsula	ted tri-direction	al scrim reinfor	cement	
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs	25 lbs	31 lbs	
1* Tensile Strength	ASTM D 7003	88 lbf MD 63 lbf DD	110 lbf MD 79 lbf DD	90 lbf MD 70 lbf DD	113 lbf MD 87 lbf DD	110 lbf MD 84 lbf DD	138 lbf MD 105 lbf DD	
1" Tensile Elongation @ Break. % (Film Break)	ASTM D 7003	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	550 MD 550 DD	750 MD 750 DD	
1" Tensile Elongation @ Peak % (Scrim Break)	ASTM D 7003	20 MD 20 DD	33 MD 33 DD	20 MD 20 DD	30 MD 31DD	20 MD 20 DD	36 MD 36 DD	
Tongue Tear Strength	ASTM D 5884	75 lbf MD 75 lbf DD	97 lbf MD 90 lbf DD	75 lbf MD 75 lbf DD	104 lbf MD 92 lbf DD	100 lbf MD 100 lbf DD	117 lbf MD 118 lbf DD	
Grab Tensile	ASTM D 7004	180 lbf MD 180 lbf DD	218 lbf MD 210 lbf DD	180 lbf MD 180 lbf DD	222 lbf MD 223 lbf DD	220 lbf MD 220 lbf DD	257 lbf MD 258 lbf DD	
Trapezoid Tear	ASTM D 4533	120 lbf MD 120 lbf DD	146 lbf MD 141 lbf DD	130 lbf MD 130 lbf DD	189 lbf MD 172 lbf DD	160 lbf MD 160 lbf DD	193 lbf MD 191 lbf DD	
* Dimensional Stability	ASTM D 1204	<1	<0.5	<1	<0.5	<1	<0.5	
Puncture Resistance	ASTM D 4833	50 lbf	64 lbf	65 lbf	83 lbf	80 lbf	99 lbf	
Maximum Use Temperature		180° F						
Minimum Use Temperature		-70° F						

MD = Machine Direction DD = Diagonal Directions



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

\*Dimensional Stability Maximum Value

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

Note: RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

# RAVEN Industries

Sioux Falls, South Dakota

PLANT LOCATION

### SALES OFFICE

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

130, 136 a 145

### RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be repaired or replaced is clean, dry, and unencumbered. This includes, but is not limited to, the area made available for repair and/or replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is determined that there is no claim under this Limited Warranty, Purchaser shall reimburse Raven Industries Inc. for its costs associated with the site inspection.

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

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

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

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

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

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

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

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

### General Plan:

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

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

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

### General Requirements:

- BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.
- If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

- 7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.
- Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
  - i. Operator's name
  - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.
- The surface owner shall be notified of BR's closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
- 10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.
- 11. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally jurisdicted lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. BR will repeat seeding or planting will be continued until successful vegetative growth occurs.
- 12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.
- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
  - Soil Backfilling and Cover Installation
  - Re-vegetation application rates and seeding techniques
  - Photo documentation of the site reclamation
  - Confirmation Sampling Results
  - Proof of closure notice

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

### 19.15.17.9 Permit application

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

Site Specific Hydrogeology

### 19.15.17.10 Siting requirements

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

### 19.15.17.11 Design Plan Contents

Below Grade Tank Design and Construction Plan.

### 19.15.17.12 Operating and Maintenance Plan

Below Grade Tank Operating and Maintenance Plan

### 19.15.17.13 Closure Plan

Below Grade Tank Closure Plan

**Requirements:** 

Registration Date: 2 - FEB-2015