District 1 1625 N. French Dr., Hobbs, NM 88240 REGISTER	State of New Mexico Energy Minerals and Natural Resources epartment ervation Division th St. Francis Dr	Form C-144 July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
District IV 1220 S. St. Francis Dr., Santa Fe, NM, 87505	Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1220 S. St. Francis Dr. Sundi (C. 144 57565	Pit, Closed-Loop System, Below-Grad	e Tank, or
Propos	ed Alternative Method Permit or Closur	e Plan Application
Type of action:	X Permit of a pit, closed-loop system, below-grade to	ank, or proposed alternative method
	Closure of a pit, closed-loop system, below-grade	tank, or proposed alternative method
	Modification to an existing permit	
	Closure plan only submitted for an existing permit	tted or non-permitted pit, closed-loop system,
	below-grade tank, or proposed alternative method	
Instructions: Please submit one a	pplication (Form C-144) per individual pit, closed-loo	p system, below-grade tank or alternative request
Please be advised that approval o environment. Nor does approval reli	t this request does not relieve the operator of liability should operations reve the operator of its responsibility to comply with any other applicable	esuit in pollution of surface water, ground water or the governmental authority's rules, regulations or ordinances.
1		
Operator: Burlington Resources Of	I & Gas Company, LP	OGRID#: 14538
Address: PO Box 4289, Farmingto	n, NM 8/499	
A DI Number	27-5 UNIT 66	
API Number:	OCD Permit Numbe	
U/L or Qtr/Qtr: M Section	on: 27 Iownship: 27N Range:	County: Rio Arriba
Surface Owner IV E. L. L	E: 30.54105°N Longitude:	-107.35089°W NAD: X 1927 1983
Surface Owner. A Federal		TAnounen
Pit: Subsection F or G of 19.15.1 Temporary: Drilling Wor Permanent Emergency Lined Unlined Liner Seams: Welded	7.11 NMAC kover Cavitation P&A ner type: Thickness mil LLDPE	HDPE PVC Other
3 Closed-loop System: Subsect Type of Operation: P&A Image: Subsect Image: Drying Pad Above Group Above Group Image: Lined Unlined Lined Lined Welded Factor	ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applies to notice of intent) nd Steel Tanks Haul-off Bins Other r type: Thickness mil LLDPE H actory Other	activities which require prior approval of a permit or DPE PVD Other
4 X Below-grade tank: Subsection Volume: 120 b Tank Construction material:	I of 19.15.17.11 NMAC bl Type of fluid: Produced Water <u>Metal</u> etection X Visible sidewalls, liner, 6-inch lift and auto Visible sidewalls only Other	omatic overflow shut-off
Liner Type: Thickness	milHDPEPVC X Other	nspecified
5 Alternative Method:		
Submittal of an exception request is rea	quired. Exceptions must be submitted to the Santa Fe Environ	nmental Bureau office for consideration of approval.
Form C-144	Oil Conservation Division	Page 1 of 5

0 d									
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, tennorary puts, and below, are for each s									
Chant link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)									
Four foot height, four strands of barbed wire evenly spaced between one and four feet									
X Alternate. Please specify <u>4' hog wire fencing topped with two strands barbed wire.</u>									
7									
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open ton tanks)									
X Screen Netting Other									
Monthly inspections (If netting or screening is not physically feasible)									
8									
Signs: Subsection C of 19.15.17.11 NMAC									
12" X 24". 2" lettering, providing Operator's name, site location, and emergency telephone numbers									
X Signed in compliance with 19.15.3.103 NMAC									
0									
Administrative Approvals and Exceptions:									
Instifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance									
Please sheck 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	annidantia. C								
(Fencing/BGT Liner)	consideration of approval.								
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.									
10									
Siting Criteria (regarding permitting): 19.15.17.10 NMAC									
source material are provided below. Requests regarding changes to certain wing criteria below in the application. Recommendations of acceptable									
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Rureau Office for									
does not apply to drying nads or above grade-tanks associated with a local bill. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria									
a social de la construction de l									
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, lakehod sinklahod									
lake (measured from the ordinary high-water mark).	Yes X 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.									
(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 TNo								
(Applied to permanent pits)									
- 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 increasing () is a state of the state of									
Within incorporated municipal boundaries and it is a figure of the section, visual inspection (certification) of the proposed site.									
adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes XNo								
Within 500 feet of a watered									
- 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.									
 Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division 	Tes X No								
Within an unstable area.	Type IVING								
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological									
Within a 100-year floodplate									
- FEMA map	Yes X No								

Temporary Pits, Emo	ergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection P. (10.15.1) (Astronomic
X Hydrogeologia	<i>Pollowing items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.</i>
Hydrogeologic	Report (Beinw-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
X Siting Criteria C	Compliance (remporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19:15.17.9
N Design Plan by	outpliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
V Operating and A	ased upon the appropriate requirements of 19.15.17.11 NMAC
N Operating and N	Aantenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
19 15 17 9 NM	icase complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of
Provide A manual	and 19.15.17.15 NMAC
The violisty Approved	a Design (attach copy of design) API or Permit
Closed-loop Systems I Instructions: Each of the J	Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC following items must be attached to the application. Please indicate by a check much in the head of the second
Geologic and Hy	drogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9
Stung Criteria Co	ompliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC
Design Plan - bas	sed upon the appropriate requirements of 19.15.17.11 NMAC
Operating and M	aintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Closure Plan (Ple	ase complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Submedian Co. 510:15 and
NMAC and 19.15	5.17.13 NMAC
Previously Approved	Design (attach copy of design) API
Previously Approved	Operating and Maintenance Plan API
13	
Permanent Pits Permit	Application Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the f	following items must be attached to the application. Please indicate, by a check mark in the box that the
Hydrogeologic Re	port - based upon the requirements of Paragraph (1) of Subsection B of 19 15 17 0 NMAC
Siting Criteria Cor	mpliance Demonstrations - based upon the appropriate requirements of 19.15.17.9 NMAC
Climatological Fac	ctors Assessment
Certified Engineer	ing Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Dike Protection an	id Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11.NMAC
Lucak Detection De	sign - based upon the appropriate requirements of 19.15.17.11 NMAC
Liner Specification	is and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
	ality Assurance Construction and Installation Plan
Freeboard and Out	ntenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Nuisance or Hazard	dows Orders including 1120 P
Emergency Respon	we Plan
Oil Field Waste Str	ean Characterization
Monitoring and Inst	pection Plan
Erosion Control Pla	
Closure Plan - based	d upon the appropriate requirements of Subsection C of 10.15 (2.0.50) (2.0.50)
4	
roposed Closure: 19.15	5.17.13 NMAC
structions: Please complete	e the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan
ype: Drilling Wo	prkover Emergency Cavitation P&A Permanent Pit N Below and Test Data
Alternative	Closed-loop System
oposed Closure Method:	X Waste Excavation and Removal (Below-Grade Tank)
oposed Closure Method:	XWaste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only)
oposed Closure Method:	XWaste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems)
oposed Closure Method:	X Waste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench
oposed Closure Method:	X Waste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Burger for each the site of the site o
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oposed Closure Method: aste Excavation and Ren ase indicate, by a check ma	Image: Second system of the
aste Excavation and Ren aste indicate, by a check ma X Protocols and Proced	Image: Second systems and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) moval Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. ark in the box, that the documents are attached. ures - based upon the appropriate requirements of 19.15.17.13 NMAC
oposed Closure Method: aste Excavation and Rei ase indicate, by a check me X Protocols and Proced Confirmation Samplin	Image: Second state in the box, that the documents are attached. (Below-Grade Tank) Image: Second state in the box, that the documents are attached. (Below-Grade Tank) Image: Second state in the box, that the documents are attached. (Below-Grade Tank) Image: Second state in the box, that the documents are attached. (Below-Grade Tank) Image: Second state in the box, that the documents are attached. (Below-Grade Tank) Image: Second state in the box of the appropriate requirements of 19.15.17.13 NMAC (Below-Grade Tank) Image: Second state in the appropriate requirements of Subsection Fact (0.15.17.13 NMAC) (Below-Grade Tank)
aste Excavation and Ren aste Excavation and Ren ase indicate, by a check ma X Protocols and Proced Confirmation Samplin Disposal Facility Nan	Image: Second system of the
aste Excavation and Ret aste indicate, by a check ma X Protocols and Proced X Confirmation Samplin X Disposal Facility Nan X Soil Backfüll and Cov	Waste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) moval Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. ark in the box, that the documents are attached. ures - based upon the appropriate requirements of 19.15.17.13 NMAC ng Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ne and Permit Number (for liquids. drilling fluids and drill cuttings) er Design Specifications - based upon the appropriate requirements of Subsection H of 10.15.17.13 NMAC
aste Excavation and Ret aste Excavation and Ret ase indicate, by a check ma X Protocols and Proced X Confirmation Samplin X Disposal Facility Nan X Soil Backfill and Cov X Re-vegetation Plan - t	X Waste Excavation and Removal (Below-Grade Tank) Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) moval Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. ark in the box, that the documents are attached. ures - based upon the appropriate requirements of 19.15.17.13 NMAC ng Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC ne and Permit Number (for liquids, drilling fluids and drill cuttings) er Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC yased upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

Oil Conservation Division

Instructions: Please identify the facility or facilities for the disposal of arc required	ove Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NM. (liquids, drilling fluids and drift cuttings, Use surgeous days of the	AC)
Disposal Facility Name:	and a second	Jwo facilities
Disposal Facility Name:	Disposal Facility Permit #:	
Will any of the proposed closed-loop system operations and asse	Disposal Facility Permit #:	
Yes (If yes, please provide the information	No	are service and operations?
Required for impacted areas which will not be used for future service Soil Backfill and Cover Design Specification - based upo Re-vegetation Plan - based upon the appropriate requiren Site Reclamation Plan - based upon the appropriate require	and operations: n the appropriate requirements of Subsection H of 19.15.17.13 N ments of Subsection I of 19.15.17.13 NMAC rements of Subsection G of 19.15.17.13 NMAC	MAC
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19. Instructions: Each suting criteria requires a demonstration of compliance in th certain siting criteria may require administrative approval from the appropria for consideration of approval. Justifications and/or demonstrations of equival	15.17.10 NMAC e closure plan. Recommendations of acceptable source material are provided te district office or may be considered in exception which must be submitted to ency are required. Please refer to 19.15.17.10.000000	below. Requests regarding changes to 5 the Santa Fe Environmental Bureau offic
Ground water is less than 50 feet below the bottom of the buried	Waste	
 NM Office of the State Engineer - iWATERS database search: U. 	SGS: Data obtained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the	huriad wasta	N/A
 NM Office of the State Engineer - iWATERS database search: US 	OUTICE Waste	Yes No
Ground water is more than 100 feet below the battom of the b	, and on an of the root nearby wells	N/A
 NM Office of the State Engineer - iWATERS database search: US 	d waste.	Yes No
Within 300 feet of a continuously flowing material	US, Data obtained from nearby wells	
(measured from the ordinary high-water mark).	y other significant watercourse or lakebed, sinkhole, or playa lake	Yes No
Within 300 four from a new section (certification) of the proposed	site	
 Visual inspection (certification) of the proposed site; Aerial photo: s 	or church in existence at the time of initial application. atellite image	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or sprin purposes, or within 1000 horizontal fee of any other fresh water well or sp - NM Office of the State Engineer - iWATERS database: Visual inspe	g that less than five households use for domestic or stock watering oring, in existence at the time of the initial application. ction (certification) of the proposed size	Yes No
 within incorporated municipal boundaries or within a defined municipal f pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality. Written 	resh water well field covered under a municipal ordinance adopted	Yes No
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification man: Topographic man	approval obtained from the municipality	
Vithin the area overlying a subsurface mine.	• (such inspection (certification) of the proposed site	
written confiramtion or verification or map from the NM EMNRD-N	fining and Mineral Division	Yes No
 Engineering measures incorporated into the design; NM Bureau of Ge Topographic map 	ology & Mineral Resources: USGS; NM Geological Society;	Yes No
Vithin a 100-year floodplain. - FEMA map		Yes No
n-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instruction a check mark in the box, that the documents are attached.	ns: Each of the following items must bee attached to the closure	e plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the a	ppropriate requirements of 19 15 17 10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate re	equirements of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) base	d upon the appropriate requirements of 19.15.17 11 NMAC	
Construction/Design Plan of Temporary Pit (for in place hurial Protocols and Procedures - based upon the appropriate	of a drying pad) based upon the appropriate requirements of 19	.15.17.11 NMAC
Confirmation Sampling Plan (if applicable) - based upon the	ments of 19.15.17.13 NMAC	
Waste Material Sampling Plan - based upon the approximate	propriate requirements of Subsection F of 19:15:17:13 NMAC	
Disposal Facility Name and Permit Number (for liquide deilling	glutements of Subsection F of 19.15.17.13 NMAC	
Soil Cover Design - based upon the appropriate requirements of	g noise and unit cuttings or in case on-site closure standards cann	ot be achieved)
Re-vegetation Plan - based upon the appropriate requirements of	f Subsection Lof 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requiremen	ts of Subsection G of 19 15 17 13 NMAG	

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Abcrator Abbucation	Countill of a				
I hereby certify that the in	Certification; formation submitted with thi	s application is true accord	to and complete to the	have that the second	
Name (Print):	Crystal Ta	ifova	Title:	Dest of my knowledge and benef.	
Signature	1 Jac	2	Data:	Kegulatory Technician	-
e-mail address:	toustal stoused one	2 10 pero	Date:	12/22/2008	-
	<u>8.02.201.20070.002000</u>	<u>n sunnigs. Sign</u>	Telephone:	505-326-9837	
20 OCD Approval:	Permit Application (includ	ing closure plan)	Closure Plan (only)	OCD Conditions (see attachment)	
OCD Representative S	ignature:			Approval Date:	
Title:	·		OCD Pern	hit Number:	
21					
Closure Report (requin Instructions: Operators ar report is required to be sub approved closure plan has	red within 60 days of clos e required to obtain an appro- print of the division within been obtained and the closu	sure completion): Subsection aved closure plan prior to in 60 days of the completion of reactivities have been comp	ion K of 19.15.17.13 NMAC mplementing any closs of the closure activitie, pleted,	re activities and submitting the closure report. T s. Please do not complete this section of the form	The closure n until an
			Closure	Completion Date:	
22 Closure Method:					
Waste Excavation	and Removal On	-site Closure Method	Alternative Closure	Method	
If different from ap	proved plan, please explain.			waste Removal (Closed-loop sys	items only)
23					
Closure Report Regardin	g Waste Removal Closure F	For Closed-loop Systems T	hat Utilize Above Gr	und Steel Tanks or Haul-off Bins Only-	
Instructions: Please identi	fy the facility or facilities for	where the liquids, drilling	fluids and drill cuttin	gs were disposed. Use attachment if more than	two facilities
Disposal Facility Name			151 11 10 10		
Disposal Facility Name			Disposal Facility	Permit Number:	
Were the closed-loop sy	stem operations and associate	ed activities surformal on a	Disposal Facility	Permit Number:	
	71X-111 ULB IGUIDUS (11)41 (1884) 0.701		an in anana shi si 111 - s	1 12 4	
Yes (If yes, please o	lemonstrate complilane to the	e items below)	or in areas that <i>will not</i> lo	be used for future service and opeartions?	
Yes (If yes, please of Required for impacted a	lemonstrate complilane to the reas which will not be used to	e items below)	or in areas that will not lo	he used for future service and opeartions?	
Yes (If yes, please of Required for impacted a Site Reclamation (P	lemonstrate complilane to the reas which will not be used f hoto Documentation)	e items below)	or in areas that will not lo tions:	he used for future service and opeartions?	
Yes (If yes, please of Required for impacted a Site Reclamation (P Soit Backfilling and	lemonstrate compliane to the reas which will not be used f hoto Documentation)	e items below) IN	of in areas that will not lo	he used for future service and opeartions?	
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Yes (If yes, please i Required for impacted a Site Reclamation (F Soit Backfilling and Re-vegetation Appli Closure Report Attac the box, that the docum	lemonstrate complilane to the reas which will not be used f hoto Documentation) Cover Installation cation Rates and Seeding Te chment Checklist: Instruc-	e items below) NN for future service and opera chnique	or in areas that will not toons:	be used for future service and opeartions?	check mark in
Yes (If yes, please i Required for impacted a Site Reclamation (F Soit Backfilling and Re-vegetation Appli 4 Closure Report Attact ihe box, that the docume Proof of Closure N	lemonstrate complilune to the reas which will not be used f hoto Documentation) Cover Installation cation Rates and Seeding Te chment Checklist: Instruc- ents are attached.	e items below) NN	or in areas that will not lo tions: ng items must be attack	be used for future service and opeartions?	check mark in
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Yes (If yes, please of Required for impacted a Site Reclamation (F Soil Backfilling and Re-vegetation Appl: Closure Report Attact the box, that the docume Proof of Closure N Proof of Deed Not Plot Plan (for on-s) Confirmation Sam	lemonstrate complilane to the reas which will not be used f hoto Documentation) Cover Installation cation Rates and Seeding Te chment Checklist: Instruc- ents are attached. Hotice (surface owner and c ice (required for on-site clo ite closures and temporary pling Analytical Results (ii	chnique chnique ctions: Each of the followin division) pits) f applicable)	or in areas that will not tions: ug items must be attac	be used for future service and opeartions?	check mark in
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Oil Conservation Division

New Mexico Office of the State Engineer

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) CNon-Domestic 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

	(quarter (quarter	(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	g	Q	Zone	x	Y	Well	Water	Column	
RG 81026	27N	05W	27	4	4	3				460	186	274	
SJ 00199	27N	05W	03	2	1					1840			
SJ 00046	27N	05W	04	4	4					506	260	246	

Record Count: 3



ConocoPhillips

AERIAL MAP SAN JUAN 27-5 UNIT 66



1:6,000

8/08

Mines, Mills and Quarries Web Map

SAN JUAN 27-5 UNIT 66

Unit Letter: M, Section: 27, Town: 027N, Range: 005W





SAN JUAN 27-5 UNIT 66

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 27-5 UNIT 66', which is located at 36.54105 degree, North latitude and 107.35089 degree, West longitude. This location is located on the Vigas Canyon 7.5' USGS topographic quadrangle. This location is in section 27 of Township 27 North Range 5 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Turley, located 28.0 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 49.3 miles to the west (National Atlas). The nearest highway is State Highway 537, located 9.1 miles to the east. The location is on BLM land and is 1,050 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 1979 meters or 6491 feet above sea level and receives 11.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Greasewood Flat as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 210 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 636 feet to the west and is classified by the USGS as an intermittent stream. The nearest perennial stream is named Carrizo Creek and is 3.414 feet to the north. The nearest water body is 3,595 feet to the northeast. It is classified by the USGS as a perennial lake and is 0.3 acres in size. The nearest spring is 17,619 feet to the east. 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 3,279 feet to the east. The nearest wetland is a 1.9 acre Freshwater Pond located 1,246 feet to the south. The slope at this location is 3 degree, to the west as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION -- Siltstone, shale, and sandstone with a Sandstone dominated formations of all age's substrate. The soil at this location is 'Sparank-San Mateo silt loams, saline, sodic, 0 to 3 percent slopes' and is well drained and not hydric with slight erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 20.2 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
- 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.

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- 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 Rolf Typical Roll Min. Roll Typical Roll Min. Roll Averages Typical Roll Averages Averages Averages Averages **Averages** Appearance Black/Black Black/Black Black/Black Thickness ASTM D 5199 27 mil 30 mil 32 mil 36 mil 40 mil 45 mil Weight Lbs Per MSF 126 lbs 140 lbs ASTM D 5261 (oz/yd²) 151 lbs 168 lbs 189 lbs 210 lbs (18.14)(20.16)(21.74)(24.19)(27.21)(30.24)Construction **Extrusion laminated with encapsulated tri-directional scrim reinforcement Ply Adhesion **ASTM D 413** 16 lbs 20 lbs 19 lbs 24 lbs 25 lbs 31 lbs 1" Tensile Strength 88 lbf MD 110 Ibf MD **ASTM D 7003** 90 lbf MD 113 lbf MD 110 lbf MD 138 lbf MD 63 lbf DD 79 lbf DD 70 lbf DD 87 lbf DD 84 lbf DD 105 lbf DD 1" Tensile Elongation @ 550 MD 750 MD Break % (Film Break) **ASTM D 7003** 550 MD 750 MD 550 MD 750 MD 550 DD 750 DD 550 DD 750 DD 550 DD 750 DD 1" Tensile Elongation @ 20 MD 33 MD Peak % (Scrim Break) ASTM D 7003 20 MD 30 MD 20 MD 36 MD 20 DD 33 DD 20 DD 31DD 20 DD 36 DD 75 lbf MD Tongue Tear Strength 97 lbf MD ASTM D 5884 75 lbf MD 104 lbf MD 100 lbf MD 75 lbf DD 117 lbf MD 90 lbf DD 75 lbf DD 92 lbf DD 100 lbf DD 118 lbf DD Grab Tensile 180 lbf MD 218 lbf MD ASTM D 7004 180 lbf MD 222 lbf MD 220 lbf MD 257 lbf MD 180 lbf DD 210 lbf DD 180 lbf DD 223 lbf DD 220 lbf DD 258 lbf DD Trapezoid Tear 120 lbf MD ASTM D 4533 146 lbf MD 130 lbf MD 189 lbf MD 160 lbf MD 193 lbf MD 120 lbf DD 141 lbf DD 130 lbf DD 172 lbf DD 191 lbf DD 160 lbf DD * Dimensional Stability ASTM D 1204 <1 < 0.5 <1 <0.5 <1 <0.5 Puncture Resistance **ASTM D 4833** 50 lbf 64 lbf 65 lbf 83 lbf 80 lbf 99 lbf Maximum Use Temperature 180° F 180° F 180° F

MD = Machine Direction

Minimum Use Temperature

DD = Diagonal Directions

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

-70° F

180° F

-70° F

*Dimensional Stability Maximum Value

-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

NOTE: IS AN EN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO: no guarantee of satisfactory results from Josance upon contained information or recommendations and



PLANT LOCATION

-70° F

Sioux Falls, South Dakota

SALES OFFICE

180° F

-70° F

180° F

-70° F

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

RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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

Any claim for any alleged breach of this warranty must be made in writing, by certified mail, to the General Manager of Engineered Films Division of Raven Industries Inc. within ten (10) days of becoming aware of the alleged defect. Should the required notice not be given, the defect and all warranties are waived by the Purchaser, and Purchaser shall not have any rights under this warranty. Raven Industries Inc. shall not be obligated to perform repairs or replacements under this warranty unless and until the area to be replacement of Raven geomembrane to be free from all water, dirt, sludge, residuals and liquids of any kind. If after inspection it is associated with the site inspection.

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

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

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

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

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

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

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

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

General Plan:

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

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

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

General Requirements:

- BR shall close a below-grade tank within the time periods provided in Subsection A of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I o f19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) permitted below-grade tanks within 60 days of cessation of the below-grade tank's operation., or c) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.
- 3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report.
- 4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.
- 5. BR shall test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyze for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH division approves, does not exceed 100 mg/kg; and the chloride concentration, as determined by EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. BR shall notify the division of its results on form C-141.
- 6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

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