District I	State of	f New Mexico	Form C-1
1625 N. French Dr., Hobbs, NM 88240	Energy Minerals	and Natural Resources	July 21, 20
District II		epartment	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.
1301 W. Grand Ave., Artesia, NM 88210		rvation Division h St. Francis Dr.	tanks, submit to the appropriate NMOCD District Onice.
District III 1000 Rio Brazos Rd., Aztec, NM 87410		e, NM 87505	For permanent pits and exceptions submit to the Santa Fe
District IV	Suntu I	0,1111 07000	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1220 S. St. Francis Dr., Santa Fe, NM 87505	PL 01 11 0		
	Pit, Closed-Loop St		
Propos	ed Alternative Method	od Permit or Closu	are Plan Application
Type of action:	X Permit of a pit, closed-l	oop system, below-grade	tank, or proposed alternative method
	Closure of a pit, closed	-loop system, below-grad	e tank, or proposed alternative method
	Modification to an exis	ting permit	
		nitted for an existing perm oposed alternative metho	nitted or non-permitted pit, closed-loop system,
Instructions: Please submit one a		The second se	oop system, below-grade tank or alternative reque
Please be advised that approval o	f this request does not relieve the open	rator of liability should operation	s result in pollution of surface water, ground water or the le governmental authority's rules, regulations or ordinances.
1	No. 1 No.		
Operator: Burlington Resources Oi			OGRID#: 14538
Address: PO Box 4289, Farmingto			
Facility or well name: SUNRAY C	IC		
API Number: 3	004529523	OCD Permit Numb	ber:
U/L or Qtr/Qtr: <u>G</u> Section	on: <u>1</u> Township:	30N Range:	11W County: San Juan
Center of Proposed Design: Latitude	:: 36.84194°N	Longitude:	-107.94135°W NAD: X 1927 1983
Surface Owner: X Federal	State Private	Tribal Trust or Indi	an Allotment
	avitation P&A ner type: Thickness	_ mil LLDPE Volume:	HDPE PVC Other bbl Dimensions Lx Wx D
Closed-loop System: Subsecti		wher or Drilling (Applies t	o activities which require prior approval of a permit or
Drying Pad Above Groun	nd Steel Tanks Haul-off		
			HDPE PVD Other
	ctory Other		
4         X       Below-grade tank:       Subsection I         Volume:       120       bb         Tank Construction material:	ol Type of fluid: <u>Prov</u> Metal	alls, liner, 6-inch lift and au	tomatic overflow shut-off
Liner Type: Thickness	mil HDPE	PVC X Other	Unspecified
5 Alternative Method:			
Submittal of an exception request is req	uired. Exceptions must be subr	nitted to the Santa Fe Envir	onmental Bureau office for consideration of approval.
Form C-144	Oil	Conservation Division	Page 1 of 5
	511		
			24

6 <u>Fencing:</u> Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)		
Chain link, six feet in height, two strands of barbed wire at top ( <i>Required if located within 1000 feet of a permanent resider</i> Four foot height, four strands of barbed wire evenly spaced between one and four feet	nce, school, hospital, institution or c	hurch)
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.		
A future. These specify way were relieving topped with two strands barroed with		
7 Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)		
X Screen Netting Other		
Monthly inspections (If netting or screening is not physically feasible)		
8 Signs: Subsection C of 19.15.17.11 NMAC		
12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers		
X Signed in compliance with 19.15.3.103 NMAC		
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:		
X Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmenta (Fencing/BGT Liner)	al Bureau office for 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	1. 1. 1. 2. 1.	
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendation		
source material are provided below. Requests regarding changes to certain siting criteria may require administrative appro appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bure		1.5 2.6
consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance.		
does not apply to drying pads or above grade-tanks associated with a closed-loop system.	1000	1000
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tan - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	nk. Yes	XNo
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkh	ole, or playa	XNo
lake (measured from the ordinary high-water mark).		
- Topographic map; Visual inspection (certification) of the proposed site		
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time application.	of initial 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		a call
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial app	olication. Yes	No
(Applied to permanent pits)	XNA	1.1.1
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial applicate		XNo
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the propose	ed site.	100
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal	al ordinance Yes	XNo
<ul> <li>adopted pursuant to NMSA 1978, Section 3-27-3, as amended</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	1.1.1	
Within 500 feet of a wetland.	Yes	XNo
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the p	roposed site	1.10
Within the area overlying a subsurface mine.	Yes	XNo
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division		-
Within an unstable area.	Yes	XNo
<ul> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Society; Topographic map</li> </ul>	M Geological	
Within a 100-year floodplain	T Yes	XNo
- FEMA map		

**Oil Conservation Division** 

the second second	porary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC	
	citions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.	
X		
	Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9	
X	Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	
X	Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
X	Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
X	Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19, 15, 17, 9 NMAC and 19, 15, 17, 13 NMAC	
	eviously Approved Design (attach copy of design) API or Permit	
		-
	ed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC ctions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9	
Π	Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC	
П	Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
Ы	Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC	
d	Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
	eviously Approved Design (attach copy of design) API	
Pro	eviously Approved Operating and Maintenance Plan API	-
	anent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC actions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached. Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Nuisance or Hazardous Odors, including H2S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan Closure Plan - based upon the appropriate requirements of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
<u> </u>	Chosere rail - vasce upon the appropriate requirements of Subsection C of 17.15.17.5 (WMAC and 17.15.17.15 (WMAC	-
14 Prope	osed Closure: 19.15.17.13 NMAC	
Instru	ctions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Гуре:	Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System	
Propos	sed 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 Bureau for consideration)	
Please X X X	Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)	plan.
_	Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
	De constation then have the consequences and interments of Publication Laf 10, 15, 17, 13 NMAC	
_	Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC	

16			1999 1999 1999
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Instructions: Please identify the facility or facilities for the disposal of liquids, drilling j are required.	<u><b>1 Tanks or Haul-off Bins Only:</b></u> (19.15.17.13.D NMAC) fluids and drill cuttings. Use attachment if more than two for	acilities	1953
Disposal Facility Name:	Disposal Facility Permit #:		
Disposal Facility Name:	Disposal Facility Permit #:		240.5449
Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No	s occur on or in areas that will not be used for future so	ervice and ope	erations?
Required for impacted areas which will not be used for future service and operations:         Soil Backfill and Cover Design Specification - based upon the appropriat         Re-vegetation Plan - based upon the appropriate requirements of Subsect         Site Reclamation Plan - based upon the appropriate requirements of Subsect	tion I of 19.15.17.13 NMAC	C	
<sup>17</sup> <u>Siting Criteria (Regarding on-site closure methods only:</u> 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Re certain siting criteria may require administrative approval from the appropriate district office of for consideration of approval. Justifications and/or demonstrations of equivalency are required	ecommendations of acceptable source material are provided belo r may be considered an exception which must be submitted to the		
Ground water is less than 50 feet below the bottom of the buried waste.		Yes	No
- NM Office of the State Engineer - iWATERS database search; USGS: Data obtain	ned from nearby wells	N/A	1. S. S. S. S.
Ground water is between 50 and 100 feet below the bottom of the buried waste		TYes	No
<ul> <li>NM Office of the State Engineer - iWATERS database search; USGS; Data obtain</li> </ul>	ned from nearby wells	IN/A	-
Ground water is more than 100 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtain	and from nearby walls		
	the state of the s		_
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significat (measured from the ordinary high-water mark).	int watercourse or lakebed, sinkhole, or playa lake	Yes	No
<ul> <li>Topographic map; Visual inspection (certification) of the proposed site</li> </ul>			
Within 300 feet from a permanent residence, school, hospital, institution, or church in ex- Visual inspection (certification) of the proposed site; Aerial photo; satellite image	xistence at the time of initial application.	Yes	No
· visual inspection (certification) of the proposed site, Aerial photo, satellite image		TYes	No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existen - NM Office of the State Engineer - iWATERS database; Visual inspection (certifica Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978, Section 3-27-3, as amended.	nce at the time of the initial application. ation) of the proposed site	Yes	No
<ul> <li>Written confirmation or verification from the municipality; Written approval obtain</li> </ul>	ned from the municipality		
Within 500 feet of a wetland		Yes	No
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspectively and the second seco	ction (certification) of the proposed site	1.0	200
Within the area overlying a subsurface mine.		Yes	No
<ul> <li>Written confirantion or verification or map from the NM EMNRD-Mining and Mi Within on weather and</li> </ul>	ineral Division	[]ve	
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Min	eral Resources: USGS: NM Geological Society:		
Topographic map		1	a line and
Within a 100-year floodplain. - FEMA map		Yes	No
18 On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements Proof of Surface Owner Notice - based upon the appropriate requirements Construction/Design Plan of Burial Trench (if applicable) based upon the	requirements of 19.15.17.10 NMAC s of Subsection F of 19.15.17.13 NMAC	plan. Please	indicate,
Construction/Design Plan of Temporary Pit (for in place burial of a drying		15.17.11 NM	AC
Protocols and Procedures - based upon the appropriate requirements of 19			
Confirmation Sampling Plan (if applicable) - based upon the appropriate r			1255
Waste Material Sampling Plan - based upon the appropriate requirements			1.1.1
Disposal Facility Name and Permit Number (for liquids, drilling fluids and		not be achieve	d)
Soil Cover Design - based upon the appropriate requirements of Subsection		and a second re	
Re-vegetation Plan - based upon the appropriate requirements of Subsecti			N. A. C.

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

Operator Application	a Certification: nformation submitted with this application is true,	accurate and complete to th	e best of my knowledge and belief.
Name (Print):	Crystal Tafoya	Title:	Regulatory Technician
Signature:	Estal Talas		12/22/2008
e-mail address:	crystal.taloya@conocophillips.com	Telephone:	505-326-9837
c-man address.			
20			
OCD Approval:	Permit Application (including closure plan)	Closure Plan (only	OCD Conditions (see attachment)
OCD Representative	Signature:		Approval Date:
l'itle:	Section and and and and and and and and and an	OCD Per	mit Number:
21 Closure Report (requ	ired within 60 days of closure completion):	Subsection K of 19.15.17.13 NMA	c
instructions: Operators a	tre required to obtain an approved closure plan pr	ior to implementing any clos	sure activities and submitting the closure report. The closure
	ubmitted to the division within 60 days of the comp is been obtained and the closure activities have be		es. Please do not complete this section of the form until an
			re Completion Date:
		Closur	e completion bate.
22			
Closure Method:			
Waste Excavation		d Alternative Closure	e Method Waste Removal (Closed-loop systems only)
If different from a	approved plan, please explain.		
3			
	ng Waste Removal Closure For Closed-loop Sys		
structions: Please iden ere utilized.	upy the facility or facilities for where the liquids,	dritting fluids and drill cutt	ings were disposed. Use attachment if more than two facilities
Disposal Facility Nam	e:	Disposal Facility	y Permit Number:
Disposal Facility Nam	e:		Permit Number:
Were the closed-loop	system operations and associated activities perform		
	system operations and associated activities periori	ned on or in areas that will n	of be used for future service and opeartions?
	e demonstrate complilane to the items below)	No	or be used for future service and opeartions?
Yes (If yes, please	e demonstrate complilane to the items below)	No	or be used for future service and opeartions?
Yes (If yes, please Required for impacted		No	or be used for future service and opeartions?
Yes (If yes, please Required for impacted Site Reclamation	e demonstrate complilane to the items below) a reas which will not be used for future service and	No	or be used for future service and opeartions?
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a	e demonstrate complilane to the items below) areas which will not be used for future service an (Photo Documentation)	No	or be used for future service and opeartions?
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation	No	or be used for future service and opeartions?
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap	e demonstrate complilane to the items below) <i>areas which will not be used for future service an</i> (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique <b>achment Checklist:</b> Instructions: Each of the	No d operations:	or be used for future service and opeartions?
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached.	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) and Cover Installation plication Rates and Seeding Technique tachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) and Cover Installation plication Rates and Seeding Technique tachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure) -site closures and temporary pits)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa	e demonstrate complilane to the items below) l areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique tachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S	e demonstrate complilane to the items below) l areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App  Closure Report Att the bax, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) and Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) and Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation App	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) y Name and Permit Number and Cover Installation pplication Rates and Seeding Technique	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation App	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique a (Photo Documentation)	□No d operations: following items must be atta	ached to the closure report. Please indicate, by a check mark in
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling Re-vegetation App	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique a (Photo Documentation)	No d operations:	
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation App Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling Re-vegetation App Site Reclamation On-site Closure	e demonstrate complilane to the items below) areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique achment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) otice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique a (Photo Documentation)	□No d operations: following items must be atta	ached to the closure report. Please indicate, by a check mark in
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling Re-vegetation Ap Site Reclamation On-site Closure	e demonstrate complilane to the items below) l'areas which will not be used for future service and (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure) -site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique a (Photo Documentation) Location: Latitude:	□No d operations: following items must be atta	ached to the closure report. Please indicate, by a check mark in
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling Re-vegetation Ap Site Reclamation On-site Closure	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique tachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude:	No d operations: following items must be atta Longitude:	ached to the closure report. Please indicate, by a check mark in
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation Ap Site Reclamation On-site Closure Cert perator Closure Cert	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique tachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude:	No d operations: following items must be atta following items must be atta understand	ached to the closure report. Please indicate, by a check mark inNAD [ 1927 ] 1983 and complete to the best of my knowledge and belief. I also certify that
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling : Re-vegetation Ap Site Reclamation On-site Closure I Preator Closure Cert the closure complies with	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude: tification: formation and attachments submitted with this closure	No d operations: following items must be atta following items must be atta following items must be atta specified in the approved contacts specified in the approved contacts	ached to the closure report. Please indicate, by a check mark inNAD [ 1927 ] 1983 and complete to the best of my knowledge and belief. I also certify that
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling : Re-vegetation Ap Site Reclamation On-site Closure I Preator Closure Cert the closure complies with	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude: tification: formation and attachments submitted with this closure	No d operations: following items must be atta following items must be atta understand	ached to the closure report. Please indicate, by a check mark inNAD [ 1927 ] 1983 and complete to the best of my knowledge and belief. I also certify that
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the bax, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation Ap Site Reclamation On-site Closure Cer- hereby certify that the in	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude: tification: formation and attachments submitted with this closure	No d operations: following items must be atta following items must be atta following items must be atta specified in the approved contacts specified in the approved contacts	ached to the closure report. Please indicate, by a check mark inNAD [ 1927 ] 1983 and complete to the best of my knowledge and belief. I also certify that
Yes (If yes, please Required for impacted Site Reclamation Soil Backfilling a Re-vegetation Ap Closure Report Att the box, that the docu Proof of Closure Proof of Deed N Plot Plan (for on Confirmation Sa Waste Material S Disposal Facility Soil Backfilling a Re-vegetation Ap Site Reclamation On-site Closure Cer- hereby certify that the in- e closure complies with ame (Print):	e demonstrate complilane to the items below) l areas which will not be used for future service an (Photo Documentation) nd Cover Installation plication Rates and Seeding Technique teachment Checklist: Instructions: Each of the ments are attached. Notice (surface owner and division) totice (required for on-site closure)site closures and temporary pits) mpling Analytical Results (if applicable) Sampling Analytical Results (if applicable) Name and Permit Number and Cover Installation pplication Rates and Seeding Technique (Photo Documentation) Location: Latitude: tification: formation and attachments submitted with this closure	No d operations: following items must be atta following items must be atta to be atta following items must be atta following items following items must be atta following items following items must be atta following items	ached to the closure report. Please indicate, by a check mark inNAD [ 1927 ] 1983 and complete to the best of my knowledge and belief. I also certify that

-		-	1 2 4
Fon	22.4	1.1	1.1.1
		C	

. New ]	Mexico	Office	of the	State	Engineer

	Mexico Office of the Stat POD Reports and Down	0
Township: 30N Rang	ge: 11W Sections:	
NAD27 X: Y	Zone:	Search Radius:
County: Basin:	Ŷ	Number: Suffix:
Owner Name: (First)	(Last)	C Non-Domestic C Domestic @ All
POD / Surface Data Report	Avg Depth to Water	Report Water Column Report
Clear	Form iWATERS Me	nu Help

WATER COLUMN REPORT 08/21/2008

	(quarter													
	(quarter										Depth	Depth	Water	(in
POD Number	Tws		Sec	đ	đ	đ	Zone	x		Y	Well	Water	Column	
RG 50669	30N	11W									360	310	50	
SJ 02765	30N	11W			3						54	20	34	
SJ 00975	30N	11W		1	3						60	20	40	
SJ 01217	30N	11W		1							60	30	30	
SJ 02837	30N	11W		3	4	1					150			
SJ 01437	30N	11W		1							40	28	12	
SJ 03121	30N	11W		1	2	4					36	12	24	
SJ 02049	30N	11W		1	3						26	8	18	
SJ 01339	30N	11W		1	3	1					40	15	25	
SJ 02814	30N	11W	03	1	3	2					. 31	8	23	
SJ 00350	30N	11W	03	1	3	2					46	12	34	
SJ 01441	30N	11W	03	1	3	2					48	20	28	
SJ 02835	30N	11W	03	1	3	2					26	8	18	
SJ 01387	30N	11W	03	1	4						40	18	22	
SJ 03698 POD1	30N	11W	03	1	4	1					40	5	35	
SJ 02785	30N	11W	03	1	4	2					31	5	26	
SJ 01313	30N	11W	03	2							70	58	12	
SJ 01805	30N	11W	03	2							35	20	15	
SJ 01807	30N	11W	03	2	1						50	30	20	
SJ 01202	30N	11W	03	2	1	2					35	8	27	
SJ 02781	30N	11W	03	2	1	2					48	23	25	
SJ 03758 POD1	30N	11W		2	1	2		268158	21274	73	49	21	28	
SJ 03765 POD1	30N	11W		2		2		268163	21276		43	20	23	
SJ 03756 POD1	30N	11W		2	1	2		268179	21278		41	20	21	
SJ 02786	30N	11W		2	3	1					51	24	27	
SJ 01901	30N	11W		2	3	2					60	26	. 34	
SJ 00698	30N	11W		2	3	3					44	14	30	
SJ 01261	30N	11W		2	3	4					44		30	
the second				_	_						01	20	10	
SJ 02930	30N	11W		2		4					81	64	17	
SJ 02798	30N	11W		2	4	4					80	61	19	
SJ 00402	30N	11W		3	-						32	18	14	
SJ 01734	30N	11W	03	3	2						33	5	28	

<ul> <li>New Mexico Offic</li> </ul>	e of the State Engineer
--------------------------------------	-------------------------

Page 2 of 6

07 00762	2.011	1111 02		2	0					4.5		0.5
SJ 00762	30N	11W 03		3	2	~				47	22	25
SJ 01440	30N	11W 03				3				41	21	20
SJ 01020	30N	11W 03		3	3					27	5	22
SJ 03242	30N	11W 03		3		1				23	9	14
SJ 03732 POD1	30N	11W 03			3					38	9	29
SJ 03239	30N	11W 03				3				33	12	21
SJ 01238	30N	11W 03			1					95	38	57
SJ 02245	30N	11W 03				3				66	30	36
SJ 01043	30N	11W 03				4			X	50		
SJ 01249	30N	11W 03			2					52	22	30
SJ 02563	30N	11W 03				1				96	60	36
SJ 02824	30N	11W 03				1				70	50	20
SJ 03153	30N	11W 03			2					80	60	20
SJ 03454	30N	11W 03				4				100		
SJ 03291	30N	11W 03				2				38	18	20
SJ 00366	30N	11W 03			4	4				33	18	15
SJ 01364	30N	11W 04		2						115	86	29
SJ 03076	30N	11W 04				3				44	10	34
SJ 02903	30N	11W 04				2				49	31	18
SJ 03039	30N	11W 04				2				53	40	13
SJ 01450	30N	11W 04			3					45	20	25
SJ 02941	30N	11W 04		4	3 :	2				58	37	21
SJ 01367	30N	11W 04		4		1				48	20	28
SJ 03407	30N	11W 04			4		W	453700	2124100	30	5	25
SJ 03267	30N	11W 05			1 :					83	60	23
SJ 03245	30N	11W 06	3	4	4	4				80	65	15
SJ 02194	30N	11W 07								59	22	37
SJ 02140	30N	11W 07		-	1 1					70	60	10
SJ 00689	30N	11W 07			4 :					78	65	13
SJ 00690	_ 30N	11W 07			4					60		
SJ 00882	30N	11W 07			4 :					60	50	10
SJ 00889	30N	11W 07			4 :					55		
SJ 00806	_ 30N	11W 07			4 3					38	20	18
SJ 00739	30N	11W 07		-	4 3					70	58	12
SJ 00389	_ 30N	11W 07		-	4					53		
SJ 00688	_ 30N	11W 07			4 3					70	58	12
SJ 00358	_ 30N	11W 07			4 3					61	38	23
SJ 00397	_ 30N	11W 07			4 3					56	35	21
SJ 00415	_ 30N	11W 07			4					53	40	13
SJ 00387 SJ 00748	_ 30N 30N	11W 07 11W 07		-	4					60	41	10
SJ 03271		11W 07			3 2					60	41	19
SJ 01475		11W 07			3 3					49	27	22
SJ 03465	30N	11W 07			3 4					80	21	44
SJ 00259	30N	11W 07		2		*				25	12	13
SJ 01492	30N	11W 07		3	*					60	22	38
SJ 03794 POD1	30N	11W 07			1 3	2		266272	2119520	44	27	17
SJ 01172	30N	11W 07		3 3				200212	2119920	50	30	20
SJ 01310	30N	11W 07		3						80	50	30
SJ 01484	30N	11W 07		3						61	10	51
SJ 03630	30N	11W 07			3 3	3				68	24	44
SJ 01425	30N	11W 07		3						55	25	30
SJ 01468	30N	11W 07			4					60	25	· 35
SJ 02006	30N	11W 07			4 2	2				50	24	26
SJ 03484	30N	11W 07			4 3					75	24	20
SJ 02005		11W 07			4 4					55	20	35
SJ 02715	30N	11W 07			4 4					68	20	
SJ 00135	30N	11W 07		4 :		z.				180	20	48
SJ 00769		11W 07		4 :						50	23	157
50 00105	- 3014	TTM 01	1		de la					50	14	36

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

SJ 01406	30N	11W	07	4	1		
SJ 02936	30N	11W	07	4	1	1	
SJ 00679	30N	11W	07	4	1	3	
SJ 00620	30N	11W	07	4	1	3	
SJ 00329	30N	11W	07	4	1	3	
SJ 00162	30N	11W	07	4	1	3	
SJ 02906	30N	11W	07	4	1	4	
SJ 00893	30N	11W	07	4	2		
SJ 01667	30N	11W	07	4	3		
SJ 01404	30N	11W	07	4	3		
SJ 00919	30N	11W	07	4	3	2	
SJ 00604	30N	11W	07	4	3	2	
SJ 00601	30N	11W	07	4	3	2	
	30N	11W	07	4	3	2	
	30N	11W	07	4	3	2	
	30N	11W	07	4	4	2	
SJ 01567					1	4	
SJ 00183	30N	11W	80	1	1	4	
SJ 03154	30N	11W	08	1		4	
SJ 03431	30N	11W	08	1	4		
SJ 00332	30N	11W	08	2	2		
SJ 01451	30N	11W	08	2	2		
SJ 01968	30N	11W		2	2		
SJ 01999	30N	11W	08	2	2		
SJ 01814	30N	11W	08	2	2		
SJ 03398	30N	11W	80	2	2	1	
SJ 03210	30N	11W	08	2	2	2	
SJ 03098	30N	11W	80	2	2	2	
SJ 03381	30N	11W	08	2	2	2	
SJ 03240	30N	11W	08	2	2	2	
SJ 00220	30N	11W	08	2	2	3	
SJ 03639	30N	11W	80	2	2	4	
SJ 01115	30N	11W	08	2	2	4	
SJ 03653	30N	11W	08	2	2	4	
SJ 03646	30N	11W	08	2	2	4	
SJ 00228	30N	11W	08	2	2	4	
SJ 03202	30N	11W	08	2	4	2	
SJ 03030	30N	11W	08	2	4	2	
SJ 03305	30N	11W	08	2	4	2	
SJ 03378	30N	11W	08	2	4	2	
SJ 02331	30N	11W		2	4	2	
SJ 03303	30N	11W		2	4	2	
SJ 02293	30N	11W		2	4	2	
SJ 00249	30N	11W		2	4	2	
SJ 01368	30N	11W		3	2		
SJ 03089	30N	11W		3	2	4	
SJ 03480	30N	11W		3	2	4	
SJ 03199	30N	11W		3	4	1	
SJ 02413	30N	11W		3	4	1	
SJ 02915	30N	11W	08	3	4	1	
SJ 03367	30N	11W		3	4	4	
SJ 01570	30N	11W	08	4	1		
SJ 00925	30N	11W	08	4	1	2	
SJ 03642	30N	11W	08	4	1	2	
SJ 01520	30N	11W		4	1	2	
SJ 03313	30N	11W		4	1	4	
SJ 02485	30N	11W	08	4	1	4	
SJ 02261	30N	11W		4	3	2	
SJ 03419	30N	11W		4	4	2	
SJ 02241	30N	11W	09	1			

45	12	33
38	30	8
48	22	26
52	35	17
63	20	43
58	23	35
45	24	21
80	40	40
41	21	20
40	15	25
35	12	23
38	22	16
40	22	18
35	14	21
35	12	23
35	14	21
360	300	60
40		
50		
52	34	18
64	34	30
40	25	15
61 52	45	16
80	10 20	42 60
60	30	30
63	23	40
50	23	40
50		
60	36	24
60	24	36
35	26	9
62	26	36
61	24	37
67	38	29
45		
56	40	16
50		
50		
53	35	18
55	30	25
50	35	15
46 59	30 39	16 20
48	36	12
50	50	14
40	20	20
40	31	9
45		
29	5	24
59	37	22
32	20	12
58	32	26
58	18	40
58	20	38
49	30	19
41	9	32
39	27	12

· New Mexico Office of the State Engineer

SJ 01560	30N	11W	09	1	1		
SJ 01585	30N	11W	09	1	1		
SJ 03499	30N	11W	09	1	1	1	
SJ 02236	30N	11W	09	1	1	1	
SJ 03304	30N	11W	09	1	1	2	
SJ 03209	30N	11W	09	1	1	3	
SJ 03726 POD1	30N	11W	09	1	1	3	
SJ 03342	30N	11W	09	1	1	3	
SJ 03225	30N	11W	09	1	1	4	
SJ 03229	30N	11W	09	1	1	4	
SJ 00924	30N	11W	09	1	2	2	
SJ 00438	30N	11W	09	1	2	3	
SJ 01169	30N	11W	09	1	3		
SJ 01574	30N	11W		1	3		
SJ 02237	30N	11W		1	3	1	
SJ 03019	30N	11W		1	3	1	
SJ 02493	30N	11W		1	3	1	
SJ 03724 POD1	30N	11W		1	3	1	
SJ 03031	30N	11W		1	3	1	
SJ 01465	30N	11W		1	3	2	
SJ 02336	30N	11W		1	3	2	
SJ 03482	30N	11W		1	3	2	
SJ 03423	30N	11W		1	3	3	
SJ 00750	30N	11W		1	4		
SJ 02975	30N	11W		2	12	4	
SJ 03268	30N	11W		2	3	2	
SJ 00364	30N 30N	11W 11W		2	3	2	
SJ 03128 SJ 00364 CLW263561	30N	11W	09	2	3	2	
SJ 00364 CLW203501 SJ 01955	30N	11W	09	2	4	2	
SJ 02528	30N	11W	09	2	4		
SJ 02290	30N	11W	09	2	4	2	
SJ 00347	30N	11W		4			
SJ 01436	30N	11W	09	4	1		
SJ 03471	30N	11W	09	4	1	1	
SJ 03223	30N	11W	09	4	2	2	
SJ 03263	30N	11W	09	4	2	2	
SJ 03374	30N	11W	09	4	3	1	
SJ 02796	30N	11W		4	3	2	
SJ 03214	30N	11W	09	4	4	2	
SJ 03213	30N	11W		4	4	2	
SJ 02176	30N	11W		1	3	-	
SJ 03356	30N	11W		1	33	1	
SJ 03258	30N 30N	11W 11W		1	3	3 3	
SJ 03444 SJ 03248	30N	11W		1	3	3	
SJ 03354	30N	11W		1	3	3	
SJ 00348	30N	11W		1	3	4	
SJ 03032	30N	11W		1	4	1	
SJ 02819	30N	11W		2	3	3	
SJ 03282	30N	11W		2	3	4	
SJ 03281	30N	11W		2	3	4	
SJ 03572	30N	11W		3	1	2	
SJ 03218	30N	11W		3	3	3	
SJ 01720	30N	11W					
SJ 03745 POD1	30N	11W		1	1	2	
SJ 01693	30N	11W			3		
SJ 01672	30N	11W			3		
ST 01294	30N	11W			3	3	

36	26	10
40	28	12
53	12	41
35	17	18
55	30	25
49	32	17
47	30	17
50	31	19
50		
50	and the second	
46	16	30
29	19	10
56	33	23
46	27	19
48	28	20
50	30	20
49	26	23
47	36	11
55	35	20
47		
46	11	35
50		
50	20	30
26	6	20
37	12	25
61	10	51
50	20	30
50		100
33	11	22
40	11	29
60	28	32
45	15	30
36	19	17
210	50	160
20	5	15
59	25	34
63	35	28
44	29	15
100		
93	63	30
100	27	20
57	37	20
55	30	25
55	10	45
60	20	60
90 80	30	60 50
	30 24	48
72		48 50
80 140	30	
	40	100
70	30	40
62	32	. 30
70	20	
50	30	20
225	90	135
325	150	175
225	89	136
180	80	100
92	52	40

30N 11W 13 1 3 3

SJ 01294

New Mexico Office of the State Engineer

Th-			100		C	1
12	O	p2	~	13	τ.	63
Pa	F.	6	2	~	а.	1

SJ 02773	30N	11W 1	5	1	1	3				46	25	21
SJ 00410	30N	11W 1		1	2	-				61	45	16
SJ 03010	30N	11W 1		1	3	1				80	40	40
SJ 03257	30N	11W 1		1	3	3				80	40	40
SJ 02923	30N	11W 10		1	3	3				75	40	35
SJ 03265	30N	11W 10		1	3	3				90	70	20
SJ 03310	30N	11W 10		1	3	3				55	20	35
SJ 01082	30N	11W 10		2	2	1				80	34	46
SJ 01722	30N	11W 1		1	4	+				20	8	12
SJ 01528	30N	11W 1		1	1					26	10	16
SJ 03373	30N	11W 1		1	1	3				50	35	15
SJ 01948	30N	11W 1		1	2	5				21	3	18
SJ 02817	30N	11W 1'		1	2	2				15		10
SJ 01722 POD2	30N	11W 1		1	2	4		266967	2116417	17	3	14
SJ 01899	30N	11W 1		1	3	2		200507	2110417	27	7	20
SJ 03771 POD1	30N	11W 1		1	3	3		266811	211517	20	6	14
SJ 03750 POD1	30N	11W 17		1	3	3		266811	211517	20	6	14
SJ 03319	30N	11W 17		1	3	4		200011	411911	55	31	24
SJ 03266	30N	11W 17		1	4	3				30	10	20
SJ 03436	30N	11W 17		1		3				20	10	20
SJ 00745	30N	11W 17		2	-	-				54	30	24
SJ 00665	30N	11W 17		2	1					28	14	14
SJ 01342	30N	11W 17		2	1	1				26	5	21
SJ 00166	30N	11W 17		2	3					48	11	37
SJ 01057	30N	11W 17		2	3					63	28	35
SJ 01060	30N	11W 17		2	3					58	23	35
SJ 03241	30N	11W 17	7	2	3	3				75	20	55
SJ 03269	30N	11W 17	7	2	3	4				80	10	70
SJ 01200	30N	11W 17	7	2	4					50	20	30
SJ 03219	30N	11W 17		2	4	2				68	38	30
SJ 00159	30N	11W 17		3	1					35	8	27
SJ 03276	30N	11W 17		3	1	4				60	20	40
SJ 01296	30N	11W 17		3	2					50	10	40
SJ 03249	30N	11W 17		3	2	2				55	12	43
SJ 01810	30N	11W 17			4					29	9	20
SJ 00411	30N	11W 17			1					60	25	35
SJ 00234	30N	11W 17			1					- 54	23	31
SJ 01847	30N	11W 17			1	~				30	6	24
SJ 00457	30N	11W 17		4		2				52	18	34
SJ 00650	30N	11W 17			1	3				49	18	31
SJ 02018 SJ 00136	30N 30N	11W 17 11W 17		4						100	40	60
SJ 03718 POD1	30N	11W 17		4	22	2				69 68	35 41	34 27
SJ 03261	3 ON	11W 17		4	2	2				88	50	38
SJ 03215	30N	11W 18			1	3				52	9	43
SJ 01316	30N	11W 18			1	3				46	12	34
SJ 03152	30N	11W 18			1	3				52	22	30
SJ 02805	30N	11W 18		1	2	1				60		50
SJ 03463	30N	11W 18		1	2	1				70	20	50
SJ 02996	30N	11W 18		1	2	1				50	25	25
SJ 00932	30N	11W 18		1	2	4				32	15	17
SJ 01738	30N	11W 18		1	3					33	6	27
SJ 01733	30N	11W 18		1						29	9	20
SJ 01786	30N	11W 18		1						35	10	25
SJ 01401	30N	11W 18			3					44	12	32
SJ 03526	30N	11W 18			3	1				40		
SJ 03176	30N	11W 18		1	4	1				48	20	28
SJ 03177	30N	11W 18		1	4					37	15	22
SJ 03344	30N	11W 18			4					100	8	92

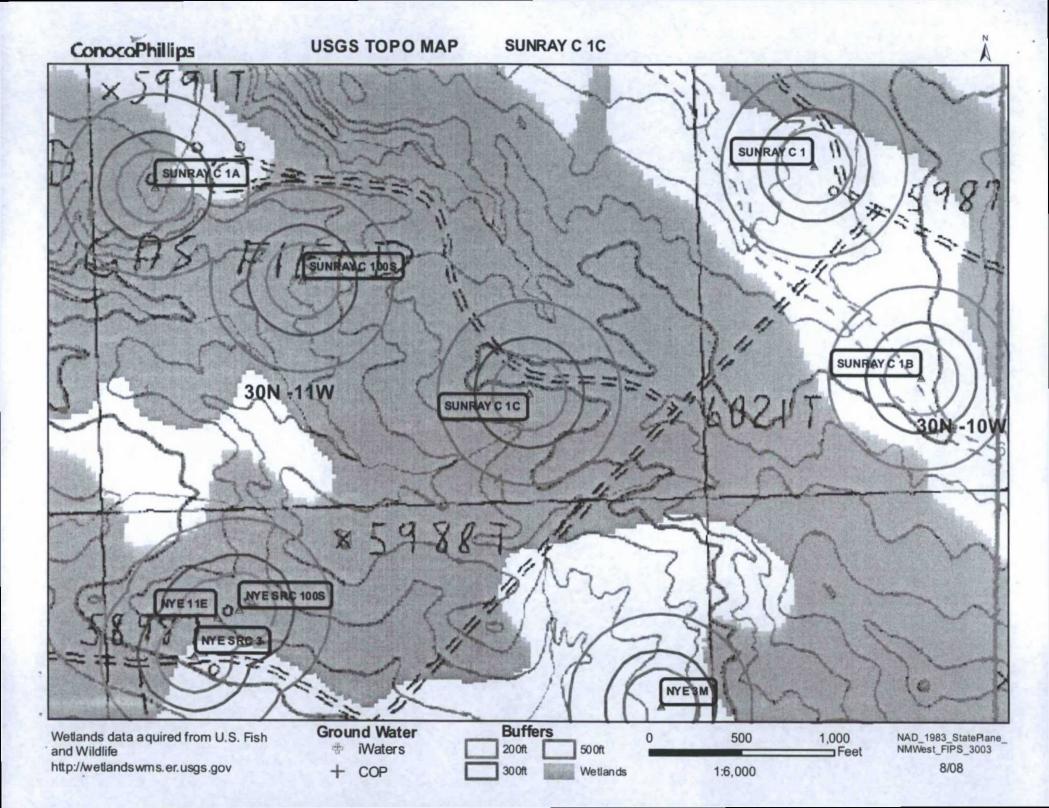
http://iwaters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher

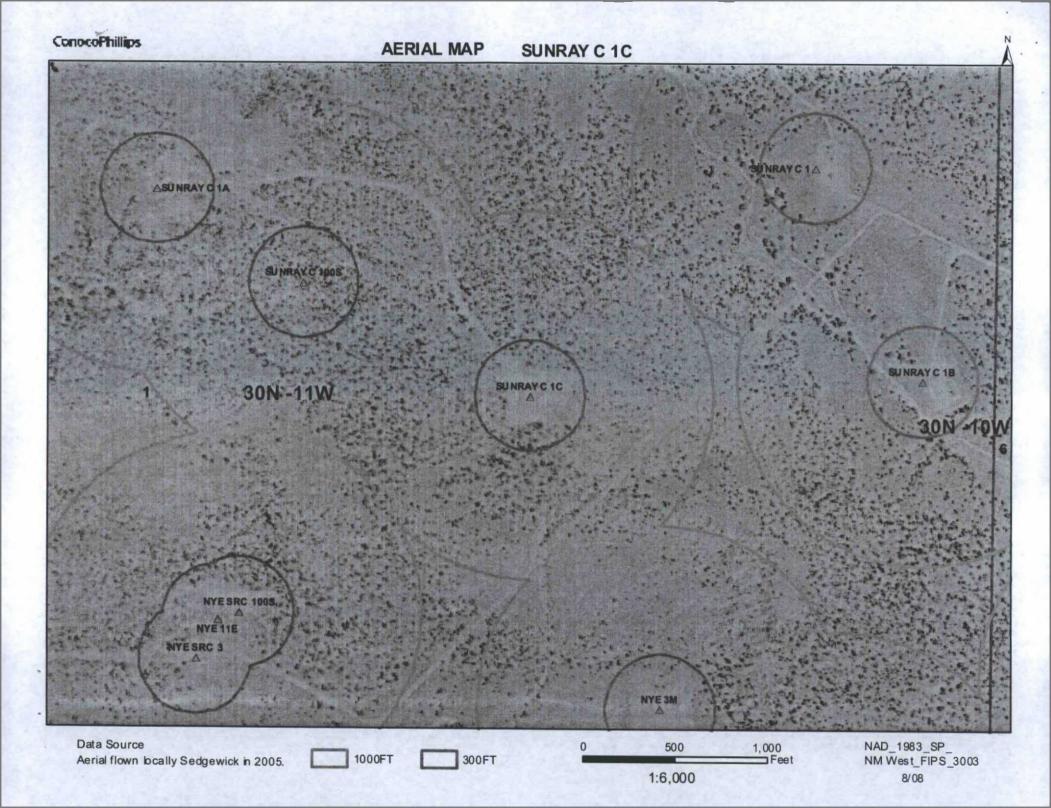
· New Mexico Office of the State Engineer

TY.		1	6	1
120	CTE	12	131	15
Pa	EC.	1.1	U1	0
	0		100.00	1.000.0

SJ 03801 POD1	30N	11W 18	2			266702	2116449	21	6	15
SJ 03800 POD1	30N	11W 18	2			266718	2116651	21	6	15
SJ 01639	30N	11W 18	2		2			40	18	22
SJ 02098	30N	11W 18	2	4				21	7	14
SJ 02109	30N	11W 18	2	4				19	4	15
SJ 02123	30N	11W 18	2	4				22	8	14
SJ 03290	30N	11W 18	2	4	4			40	10	30
SJ 02045	30N	11W 18	4					480	200	280
SJ 03322	30N	11W 18	4	4	1			40	10	30
SJ 03320	30N	11W 18	4	4	3			80		
SJ 03321	30N	11W 18	4	4	3			80		
SJ 02193	30N	11W 19							105	
SJ 03403	30N	11W 19	1	2	2			400		
SJ 00638	30N	11W 19	2	1				130	70	60
SJ 01073	30N	11W 19	2	1				100	38	62
SJ 03615	30N	11W 19	2	1	1			105	35	70
SJ 03434	30N	11W 19	2	1	4			140		
SJ 03088	30N	11W 19	2	1	4			120	80	40
SJ 01636	30N	11W 19	2					70	25	45
SJ 02862	30N	11W 19	2	2	3			20		
SJ 00284	30N	11W 19	2	4				200	35	165
SJ 03645	30N	11W 19	3		1			60	20	40
SJ 03533	30N	11W 19	3		3			20		
SJ 01621	30N	11W 19	3	2				40	38	2
SJ 02692	30N	11W 19	3					52	12	40
SJ 02968	30N	11W 19	3		2			75	5	70
SJ 02812	_ 30N	11W 19	3		2			50		
SJ 01123	_ 30N	11W 19	4	_				40	15	25
SJ 03437	_ 30N	11W 19	4	-	2			30		
SJ 03315	_ 30N	11W 19	4		2			60	54	6
SJ 00284 CLW222415	_ 30N	11W 19	4					200	35	165
SJ 03224	_ 30N	11W 30	1	_	4			80	30	50
SJ 03077	_ 30N	11W 30	2	-	1			75	70	5
SJ 03668	_ 30N	11W 30	2					380	280	100
SJ 03251	_ 30N	11W 32	3	4	4			150	77	73

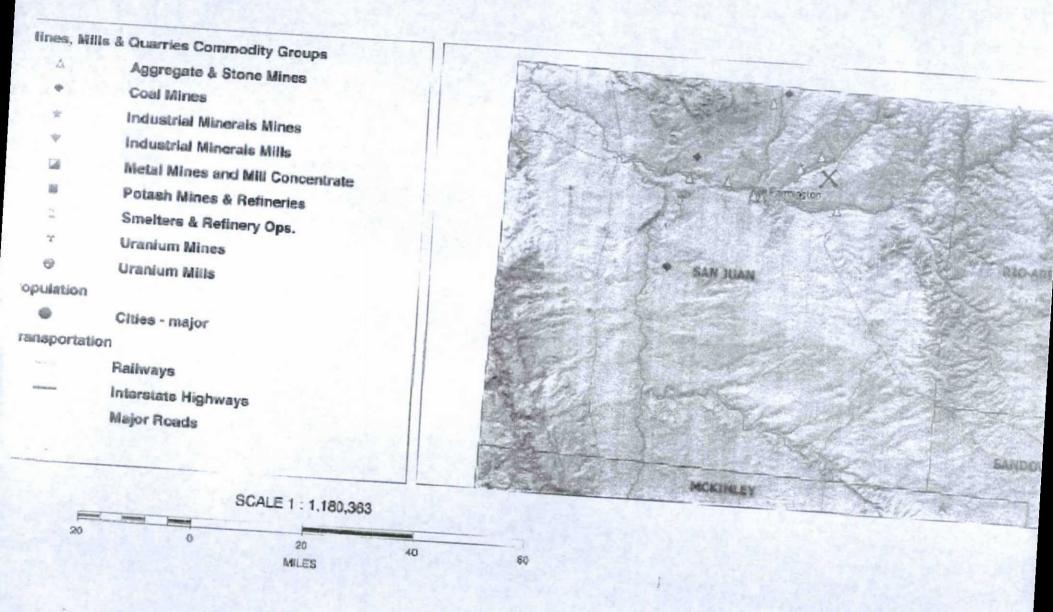
Record Count: 303



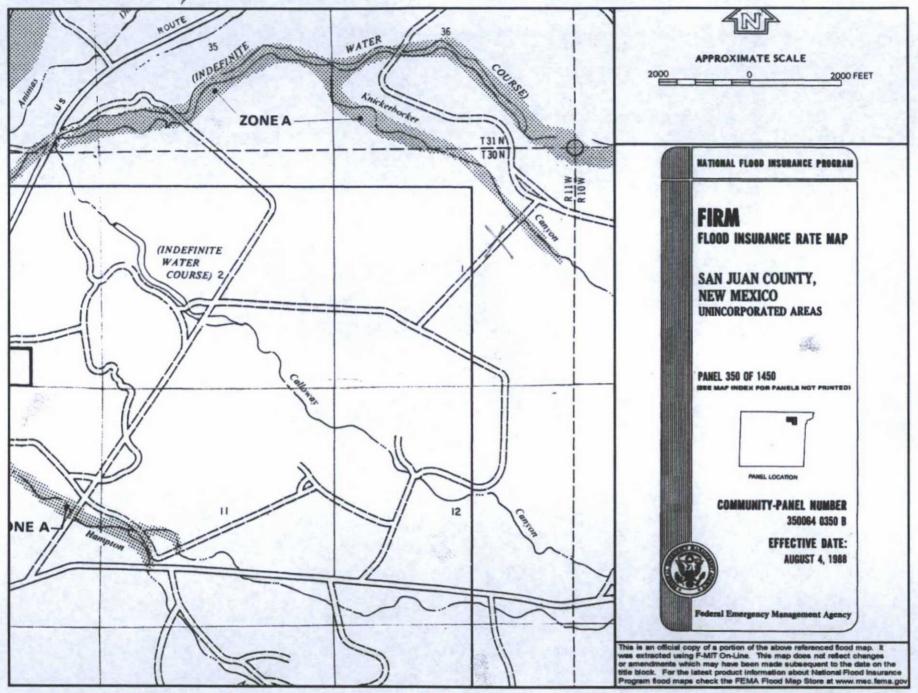


# Mines, Mills and Quarries Web Map

Unit Letter: G, Section: 01, Town: 030N, Range: 011W



SUNTAY C IC



#### SUNRAY C 1C

#### Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SUNRAY C 1C', which is located at 36.84194 degrees North latitude and 107.94135 degrees West longitude. This location is located on the Aztec 7.5' USGS topographic quadrangle. This location is in section 1 of Township 30 North Range 11 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 Aztec, located 3.2 miles to the southwest. The nearest large town (population greater than 10,000) is Farmington, located 16.4 miles to the southwest (National Atlas). The nearest highway is US Highway 550, located 1.4 miles to the northwest. The location is on BLM land and is 2,193 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, Sub-basin. This location is located 1833 meters or 6012 feet above sea level and receives 12 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 225 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 299 feet to the southwest and is classified by the USGS as an intermittent stream. The nearest perrenial stream is 1,298 feet to the northeast. The nearest water body is 2,661 feet to the southwest. It is classified by the USGS as an intermittent lake and is 0.2 acres in size. The nearest spring is 24,458 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 5,550 feet to the northwest. The nearest wetland is a 15.4 acre Ravine located 4,830 feet to the northwest. The slope at this location is 1 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 NACIMIENTO FORMATION--Shale and sandstone with a Shale dominated formations of all ages substrate. The soil at this location is 'Farb-Persayo-Rock outcrop complex, moderately steep' and is excessively drained and not hydric with severe erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 8.8 miles to the north 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.

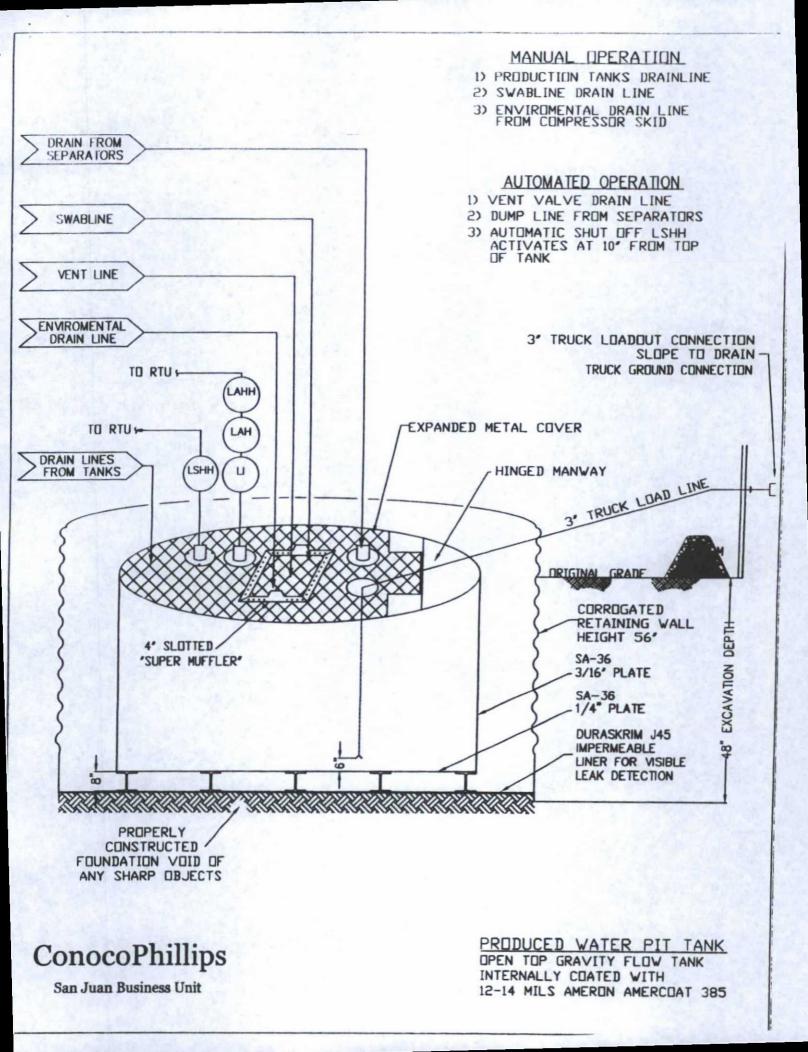
#### Burlington Resources Oil & Gas Company, LP San Juan Basin Below Grade Tank Design and Construction

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.
- The general specification for design and construction are attached in the BR document.



PROPERTIES	TEST METHOD	r. J3	OBE	13	688	J4	58 <b>6</b>				
			Min. Roll Typical Roll Averages Averages		Min. Roll Typical Roll Averages Averages		Typical Rol 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)			210 lbs (30.24)				
Construction		**Extr	usion laminated	with encapsula	ated 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	180° F	180° F	180° F	180° F	180° F				
Minimum Use Temperature		-70° F	-70° F	-70° F	-70° F	-70° F	-70° F				

MD = Machine Direction DD = Diagonal Directions

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

130. KI6 2 14

\*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 insclaims all fubility for resulting loss or damage.

# OURA-SEDIM

# PLANT LOCATION

Sioux Falls, South Dakota

### SALES OFFICE

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



08/06

# RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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

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

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

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

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

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

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

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

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

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

#### General Plan:

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

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

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

#### **General Requirements:**

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

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

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

## 19.15.17.9 Permit application

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

Site Specific Hydrogeology

# 19.15.17.10 Siting requirements

New Mexico Office of State Engineer attachment
 USGS TOPO map
 Aerial Map
 Mines, Mills and Quarries Web Map
 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: 02/29/2014