District I

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Ave., Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Department Oil Conservation Division 1220 South St. Francis Dr.

Santa Fe, NM 87505

July 21, 2008

Form C-144

For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505		appro	priate NMOCD District Office.	
0975	Pit, Closed-Loop System	n, Below-Grade Ta	nk, or	
Prop	osed Alternative Method	Permit or Closure I	Plan Application	
Type of action:	X Permit of a pit, closed-loop sy	stem, below-grade tank, o	r proposed alternative method	
	Closure of a pit, closed-loop s	ystem, below-grade tank,	or proposed alternative method	
	Modification to an existing pe	rmit		
	Closure plan only submitted for below-grade tank, or proposed		non-permitted pit, closed-loop sy	stem,
Instructions: Please submit one	application (Form C-144) per indiv	idual pit, closed-loop syst	tem, below-grade tank or alternat	ive request
•••	of this request does not relieve the operator of Islieve the operator of its responsibility to comply	· -	-	
Operator: Burlington Resources C	Dil & Gas Company, LP	OGR	ID#: 14538	
Address: PO Box 4289, Farming	ton, NM 87499			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Facility or well name: Grenier 21			· , · , ·	7/12/ 000 1 11/1
API Number:	30-045-20533	OCD Permit Number:	article of the complete state of the second	2 . 4 . 28° - 13° ·
U/L or Qtr/Qtr: K(NESW) Sect		Range: 12W	County: San Juan	
Center of Proposed Design: Latitude			192 NAD: X 192	27 <u>1</u> 1983
Surface Owner: Federal	State X Private	ribal Trust or Indian Allo	tment in warmer teams a police in a	setae, , , , , , , , , , , , , , , , , , ,
Duran and the second			the participation with the	word very a market when
Pit: Subsection F or G of 19.15.			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	orkover		and the state of t	
	Cavitation P&A Liner type: Thickness mi	LLDPE HDPE	PVC Other	
String-Reinforced				
	Factory Other	Volume:bbl	Dimensions L x W	
3			out of love of the line of the said	irundiga (
X Closed-loop System: Subse	ction H of 19.15.17.11 NMAC Drilling a new well X Workover	or Drilling (Applies to activi	ties which require prior approval of a'j	permit or the light
	notice of in		भे । १००१ वर्षे कार्योः वेद्यासीकेक्ष्रीके स्वतंत्राहे	
Drying Pad X Above Gro	ound Steel Tanks Haul-off Bins	Other	461718	81920273
Lined Unlined Lin	ner type:mil	LLDPE HDPE	PVD Other	-48
Liner Seams: Welded Welded	Factory Other	- 4 v	San	多四层面
94-3-4-65 ()		a la la pier d	E OIL CONS	V 2009 25262
Below-grade tank: Subsection			2 OIL CONS	DIV N.
Volume:	bbl Type of fluid:	1		6 4 A
Tank Construction material:	detection Visible sidemalis 12	ner, 6-inch lift and automatic	overflow shut off	1506
Secondary containment with leak Visible sidewalls and liner		ner, 6-inch iin and automatic Other	A STITLE OIL STATE OF THE STATE	
Liner Type: Thickness	mil HDPE PV			
School of the State of the Stat			A STATE OF THE STA	The Control of the Co
Alternative Method:		market and the second		
166 th 18922 th 166		しょうしゅうしょく かんき	- アール・ヒュウ・キューマン・チェッルはは対望を高されたを設けだけ、大阪 間	137 \$ 1 C C 399 2 (42) \$ DEED OF 19 1.

Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks) Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institute.	
Four foot height, four strands of barbed wire evenly spaced between one and four feet	ation of churchy
Alternate. Please specify	man of the distriction of the di
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
Screen Netting Other	
Monthly inspections (If netting or screening is not physically feasible)	Marin Aller
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: [Notifications and/or demonstrations of agricultures are required. Places refer to 10.15.17 NMAC for evidence.]	
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:	4
Theuse check a box if one of more of the following is requested, if not leave blank.	
Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for considerations o	leration of approval.
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	File to a stability
	Part All Chillis
Sitting Criteria (regarding permitting) 19.15.17.10 NMAC	
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the	THE STATE OF THE STATE OF
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for	1870 1 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.	
Adapt Transmitter of the second market and production of the second market and production of the second market and production of the second market and the	
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 No.
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake	Yes No
(measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	NA
Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
(Applied to permanent pits)	NA
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 No
NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes No
Written confirmation or verification from the municipality, Written approval obtained from the municipality	Yes
Within 500 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site.	
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes - No
Within an unstable area.	Yes
Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	
Society: Topographic map	
Within a 100-year floodplain FEMA map	Yes No

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Appl	ication Attachment ChecklistSubsection B of 19:15:17.9 NMAC
Instructions: Each of the following items must be attached to the application. Pleas	· · · · · · · · · · · · · · · · · · ·
Hydrogeologic Report (Below-grade Tanks) - based upon the requir	
Hydrogeologic Data (Temporary and Emergency Pits) - based upon	the requirements of Paragraph (2) of Subsection B of 1915 17.9
Siting Criteria Compliance Demonstrations - based upon the approp	riate requirements of 19.15.17.10 NMAC
Design Plan - based upon the appropriate requirements of 19.15.17.	11 NMAC
Operating and Maintenance Plan - based upon the appropriate requi	。
	1
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	
Previously Approved Design (attach copy of design) API	or Permit
· _{*;1} 2,`	
Closed-loop Systems Permit Application Attachment Checklist: Subsection Instructions: Each of the following items must be attached to the application. Please Cook of the following items pate (only for on site alogue) based	
Siting Criteria Compliance Demonstrations (only for on-site closure	
X Design Plan - based upon the appropriate requirements of 19.15.17.	11 NMAC
X Operating and Maintenance Plan - based upon the appropriate requi	rements 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	
Previously Approved Design (attach copy of design) API	
Previously Approved Operating and Maintenance Plan API	
(Sairth State Arthur Market)	1000 1000 1000 1000 1000 1000 1000 100
Permanent Pits Permit Application Checklist: Subsection B of 19.15.1	7.9 NMAC
Instructions: Each of the following items must be attached to the application. Ple	ase 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 approp	。
Climatological Factors Assessment	
Certified Engineering Design Plans - based upon the appropriate rec	nuirements of 10 15 17 11 NMAC
The second secon	The state of the s
Dike Protection and Structural Integrity Design: based upon the app	
Leak Detection Design - based upon the appropriate requirements o	in the result of the second of the state of the second of
Liner Specifications and Compatibility Assessment - based upon the	
Quality Control/Quality Assurance Construction and Installation Pl	an an
Operating and Maintenance Plan - based upon the appropriate requi	rements of 19.15.17.12 NMAC
Freeboard and Overtopping Prevention Plan - based upon the appro	priate 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 Subsecti	on C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
Ground 1 an - based apon the appropriate requirements of subsecti	17.13.17.27 (11.14.12.20 tilled 17.13.17.1
14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and the state of t
Proposed Closure: 19.15.17.13 NMAC	
Anstructions: Please complete the applicable boxes, Boxes 14 through 18, in regard	<u></u>
Type: Drilling X Workover Emergency Cavitation P&A	Permanent Pit Below-grade Tank X Closed-loop System
Alternative	The state of the s
Proposed Closure Method: Waste Excavation and Removal	
X Waste Removal (Closed-loop systems only)	
On-site Closure Method (only for temporary	pits and closed-loop systems)
In-place Burial On-site Tr	ench
	t be submitted to the Santa Fe Environmental Bureau for consideration)
	to constitute to the parity of the state of
18 15 The state of	
Waste Excavation and Removal Closure Plan Checklist (19.15.17.13 NM	AC) Instructions: Each of the following items must be attached to the closure plan.
Please indicate, by a check mark in the box, that the documents are attached.	
Protocols and Procedures - based upon the appropriate requirement	s of 19.15.17.13 NMAC
Confirmation Sampling Plan (if applicable) - based upon the approp	priate requirements of Subsection F of 19.15.17.13 NMAC
Disposal Facility Name and Permit Number (for liquids, drilling flu	
Soil Backfill and Cover Design Specifications - based upon the app	
Re-vegetation Plan - based upon the appropriate requirements of Su	。
[表現在]	· · · · · · · · · · · · · · · · · · ·
Site Reclamation Plan - based upon the appropriate requirements of	i Subsection G of 19:15:11/13 NMACE The Hard The Art

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Waste Removal Closure For Closed-loop Systems That Utilize Above Ground St Instructions Please identify the facility or facilities for the disposal of liquids, drillin	eel Tanks or Haul-off Bins Only:(19.15.17.13:D.NMAC) g fluids and drill cuttings. Use attachment if more than two	
Stacilities are required. Disposal Facility Name: Envirotech	Disposal Facility Permit # NAM 01 0011	
Disposal Facility Name: Enviroteen Disposal Facility Name: Basin Disposal Facility	Disposal Facility Permit #: NM-01-0011 Disposal Facility Permit #: NM-01-005	
Will any of the proposed closed-loop system operations and associated active Yes (If yes, please provide the information No Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specification - based upon the appropriate the proposed of the	rities occur on or in areas that will nbe used for future	
Re-vegetation Plan - based upon the appropriate requirements of Subsection Plan - based upon t	ection I of 19 15 17 13 NMAC	
17 Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in the closure plan R certain siting criteria may require administrative approval from the appropriate district office o	ecommendations of acceptable source material are provided below	w. Requests regarding changes to
office for consideration of approval. Justifications and/or demonstrations of equivalency are re		Santa Pe Environmental Bureau
Ground water is less than 50 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS: Data of	stained from nearby wells	Yes No
Ground water is between 50 and 100 feet below the bottom of the buried wa - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained the state of the st		Yes No
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 ob	ained from nearby wells	Yes No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signi (measured from the ordinary high-water mark).	ficant watercourse or lakebed, sinkhole, or playa lake	Yes No
Topographic map; Visual inspection (certification) of the proposed site Within 300 feet from a permanent residence, school, hospital, institution, or church in		☐Yes ☐No
Visual inspection (certification) of the proposed site; Aerial photo; satellite image with the satellite image with the satellite image. Within 500 horizontal feet of a private, domestic fresh water well or spring that less the	المراقب	Yes. No
pulposes, or within 1000 horizontal fee of any other fresh water well or spring, in exi	stence at the time of the initial application. fication) of the proposed site	
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval of		Yes No
Within 500 feet of a wetland	And the state of t	Yes No
Within the area overlying a subsurface mine. Written confirmation or verification or map from the NM EMNRD-Mining and		Yes No.
Within an unstable area. Engineering measures incorporated into the design; NM Bureau of Geology & N		Yes No
Within a 100-year floodplain. FEMA:map		Yes No
On-Site Closure Plan Checklist: (19:15.17.13 NMAC) Instructions: Each of the check mark in the box, that the documents are attached.	h of the following items must bee attached to the cla	osure plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the appropriate Proof of Surface Owner Notice - based upon the appropriate requirements.	nents of Subsection F of 19.15 17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based upor	rying pad) - based upon the appropriate requirement	生い。不知。これが、世界が出土しても世界政策を
Protocols and Procedures - based upon the appropriate requirements Confirmation Sampling Plan (if applicable) - based upon the appropr		AC LESS DE LA CONTRACTION DE L
Waste Material Sampling Plan - based upon the appropriate requirem Disposal Facility Name and Permit Number (for liquids, drilling fluid	ls and drill cuttings or in case on-site closure standar	ds cannot be achieved)
Soil Cover Design - based upon the appropriate requirements of Sub-	section I of 19.15.17.13 NMAC	
Site Reclamation Plan - based upon the appropriate requirements of S	Subsection G of 19.15.17.13 NMAC	

Form C-144

Operator Application Certification:			
Ehereby certify that the information submitted with this application is true, accurate a	and complete to the be	st of my knowledge and belief	
Name (Print) Rhonda Rogers	Title:	Regulatory Technician	
Signature: Chorles Dolin	_ Date:	1/16/2009	
e-mail address: rogerrs@conocophilluos.com	_ Telephone:	505-599-4018	
20. OCD Approval: Permit Application (including closure plan) (Closure Plan (only)	OCD Conditions (see atta	rchmant)
	'//		
OCD Representative Signature:	2	Approval Date:	2-2-69
Title: Enviro bocc	OCD Perm	iit Number:	
A. C.			A TO THE AT SME
2100 - 2 (Control of the control of		,	
Closure Report (required within 60 days of closure completion): Subsection Instructions: Operators are required to obtain an approved closure plan prior to imp			re report. The closure
report is required to be submitted to the division within 60 days of the completion of i	the closure activities.	Please do not complete this section	n of the form until an
approved closure plan has been obtained and the closure activities have been comple			
. :	Closure	Completion Date:	- 12 + 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
22.		and the state of t	· · · · · · · · · · · · · · · · · · ·
Closure Method: On-site Closure Method	Alternative Closure	Method Waste Removal (C	losed-loop systems only)
If different from approved plan, please explain.	Trucinante ciosaic	waste Kelliovar (C	losed-loop systems omly)
23 Closure Report Regarding Waste Removal Closure For Closed-loop Systems Th	est Utiliza Abova Cre	und Steel Tanks or Haul off Dine	
Instructions: Please identify the facility or facilities for where the liquids, drilling f	luids and drill cutting	s were disposed. Use attachment	f more than two facilities
were utilized.	_::	The state of the s	
Disposal Facility Name: Disposal Facility Name:	Disposal Facility	The lateral Waller and Control	
Were the closed-loop system operations and associated activities performed on or	Disposal Facility		artions?
Yes (If yes, please demonstrate compliane to the items below)		The used for future service and open	ditions
Required for impacted areas which will not be used for future service and operati	ions:		
Site Reclamation (Photo Documentation)	***	and the bolight Country	
Soil Backfilling and Cover Installation		a irring things in	
Re-vegetation Application Rates and Seeding Technique			Partie Taller
Clarity Depart Attachment Charliet Lagrange Entrant			
Closure Report Attachment Checklist: Instructions: Each of the following the box, that the documents are attached.	g tiems must be attac	neu to the closure report. Please,	naicate, by a check mark in
Proof of Closure Notice (surface owner and division)	· · · · · · · · · · · · · · · · · · ·	A STATE OF THE STA	
Proof of Deed Notice (required for on-site closure)	and the second second	The commence of the second	
Plot Plan (for on-site closures and temporary pits)			
Confirmation Sampling Analytical Results (if applicable)	J. Alexander	บไลท์เรียนตายสิตที่เลียร์ประ	
Waste Material Sampling Analytical Results (if applicable)			
Disposal Facility Name and Permit Number Soil Backfilling and Cover Installation			
Re-vegetation Application Rates and Seeding Technique		ALL CO. ALL MANAGEMENT OF THE STREET	
Site Reclamation (Photo Documentation)			
On-site Closure Location: Latitude:	Longitude:	NAD T	1927 1983
THE REAL PROPERTY AND ACTION OF THE PROPERTY O		· · · · · · · · · · · · · · · · · · ·	
書記は、美元 から 		· · · · · · · · · · · · · · · · · · ·	A COLUMNICATION OF THE PROPERTY OF THE PROPERT
Operator Closure Certification:			
hereby certify that the information and attachments submitted with this closure repo the closure complies with all applicable closure requirements and conditions specifie	ort is ture, accurate à	nd complete to the best of my knowl	edge and belief. I also certify that
	A CONTRACTOR	our pun.	
Name (Print)	Title:	The second second second second	
Signature	Date:	A CALL STREET	
AND THE PROPERTY OF THE PROPER	m.1	1000 1000 1000 1000 1000 1000 1000 100	
-mail address:	Telephone:	· · · · · · · · · · · · · · · · · · ·	2. 12. 12. 12. 12. 12. 12. 12. 12. 12. 1

Form C-144

Burlington Resources Oil & Gas Company, LP Closed-loop Plans

Closed-loop Design Plan

BR's closed loop system will not entail a drying pad, temporary pit, below grade tank or sump. It will include an above ground tank suitable for holding the cuttings and fluids for rig operations. The tank will be sufficient volume to maintain a safe free board between disposal of the liquids and solids from rig operations.

- 1. Fencing is not required for an above ground closed-loop system
- 2. It will be signed in compliance with 19.15.3.103 NMAC
- 3. A frac tank will be on location to store fresh water

Closed-loop Operating and Maintenance Plan

BR's closed-loop tank will be operated and maintained to contain liquids and solids in order to prevent contamination of fresh water sources, in order to protect public health and the environment. To ensure the operation is maintained the following steps will be followed:

- 1. The liquids will be vacuumed out and disposed of at the Basin Disposal facility (Permit # NM-01-005). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) on a periodic basis to prevent over topping.
- 2. No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
- 3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately statement of the compromised tank.
- 4. All of the above operations will be inspected and a log will be signed and dated. During rig operations the inspection will be daily.

Closed-loop Closure Plan

The closed-loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit # NM-01-0011) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.