Individual Resources Part transfer Part tr		State of New Mexico	Form C-144			
DU No Hatzo RA, Arze: NM 1710 Santa Fe, NM 8750 The propriate status of the decempton status to the Santa Fe Environmental Bureau office and provide a status of the	REGISTERE	artment vation Division	For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office.			
20 S. & Francis Dr. Same F. MI 3705 Pit. Closed-Loop System. Below-Grade Tank. or Proposed Alternative Method Permit or Closure Plan Application Type of action: Pit. Closed-Loop System. Below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative request Pare to abiod that approad of this repart dees no relice the operator of this reposated alternative request Pare to abiod that approad of this repart dees no relice the operator of the reposate of the monotonic or dianees. Personance K. Net dee approad to fair cepart of the operator of the reposate of the monotonic or dianees. Personance K. Net dee approad to fair cepart of the operator of the reposate of the monotonic or dianees. Personance K. Net dee approad to fair cepart of the operator of the reposate of the monotonic or dianees. Personance K. Net dee approad to fair cepart of the operator of the reposate of the monotonic or dianees. Personance K. Net dee approad to fair cepart of the operator of the reposate of the monotonic or dianees. Personance K. Defense S. N. JUAN 27-5 UNIT NP 319 Per Number: Def Source: Def G. Section: 29 Township: 27N Range: 5W County: Rio Arriba enter of Proposed Design. Latitude: 345.483779. Longitude:107.37794*W. NAD: X 1927] 1983 arface Owner: Def G. Gettin [] State Private Tribal Trust or Indian Allotment Def Integration For G of 19.15.17.11 NMAC Personant Benergency Cavitation [] P&A Defing Pad Above Ground Steel Tanks g. mil LLDPE HDPE [] PVC [] Other	100 Rio Brazos Rd., Aztec, NM 87410 istrict IV	Santa Fe, NM 87505	For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the			
Fill, Closed-Loop System, Below-Grade Lank, OF Proposed Alternative Method Permit or Closure Plan Application Type of action:	20 S. St. Francis Dr., Santa Fe, NM 87505					
Tipposed Internative Method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank, or proposed alternative request Presented taik capacitors to relate che depender of the spenter of the spentes of the spenter of the spenter of the spenter of the spenter of	Proposed A	Liosed-Loop System, Below-Grad	e Plan Application			
Type of action: XP Emit of a pit, closed-loop system, below-grade tank, or proposed alternative method Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an cisting permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Paue to advised targenoval of this requestables to temperate the openator of its repeatables result in poliation of future sets grade state or the environment. Nee dees apport alter the openator of its repeatables to comply with any other applicable governmental autority's rules. regulations or ordinances. perator: Burlington Resources Oil & Cas Company, LP OGRID4: 14538 ddress: PO Bos 4289, Farmington, NM 87499 actington Resources Oil & Cas Company, LP OGRID4: 14538 urface Owner: SAN JUAN 27-5 UNIT NP 319 Volume: -107.37794°W NAD: X] 1927[-1983 urface Owner: Y Federal State Private Tribal Trust or Indian Allotment Plif: Subsection F or G of 19.15.17.11 NMAC Tegens in the private or Drilling (Applies to activities which require prior approval of a permit or noncise of inten) Plif: Subsection I of 19.15.17.11 NMAC Type of Operation: PRA <td><u>r toposed A</u></td> <td>meritarive Method Fernint of Closur</td> <td>e Han Application</td>	<u>r toposed A</u>	meritarive Method Fernint of Closur	e Han Application			
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☐ Closure plan only submitted for an cristing permitted or non-permitted pi, closed-loop system, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-1449) per individual pit, closed-loop system, below-grade tank or alternative request Please baschind tangenous of him request dos notifice the operator for the operator of the request on the three does approal netine the operator for submitted to the system of the operator of the request on the operator of the request on the observations test in pollutions test in pollutions are in pollutions are of the environment. Nor does approal netine the operator of the requestor on the operator of the request		losure of a pit, closed-loop system, below-grade	tank, or proposed alternative method			
Licksure plan only submitted for an existing permitted pit, closed-loop system, below-grade tank, or possed alternative method Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Pease be advied that approval of this request des or tellere the operator of libbitly is loodly gereficial expensional aubority's rule. regulation or ardinances. perator: Burlington Resources Oil & Case Company, LP OGRID#: 14538 ddress: PO Box 4289, Farmington, NM 87499 acility or well name: SAN JUAN 27-5 UNIT NP 319 OCD Permit Number: // L or Qtr? QT: G Section: 29 Township: 27N Range: SW County: Rio Arriba enter of Proposed Design: Littude: 36.54837*M Longitude: -107.37794*W NAD: X 1927 1983 urface Owner: X Federal State Private Tribal Trust or Indian Allotment Piti: Subsections For G of 19.15.17.11 NMAC Tribal Trust or Indian Allotment		Indification to an existing permit	and the standard standard standard			
Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request Prease be advied that approval of fair request doe nor relice the operator of likelity should operation result in politation of unifice water, ground water or the environment. Nor does approval of fair responsibility to comply with any other applicable povernmental authority's rule, regulations or ordinances. perator: Burlington Resources OII & Gas Company, LP OGRID#: 14538 ddress: PO Box 4289, Farmington, NM 87499 satility or well name: SAN UAN 27-5 UNIT NP 319 vPI Number:		losure plan only submitted for an existing permit elow-grade tank, or proposed alternative method	ted or non-permitted pit, closed-loop system,			
Please be advised that approval of this request does not relieve the operator of liability should operations seakt in pollution of surface water, ground water or the cardronment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority: n.i.e., regulations or ordinances. Perstor: Burlington Resources OII & Gas Company, LP OGRID#: 14538 ddress: PO Box 4289, Farmington, NM 87499 acitity or well name: SAN JUAN 27-5 UNIT NP 319 PI Number: 30039252024 OCD Permit Number: /L or Qir/Qir: C. Section: 29 Township: 27N Range: SW County: Rio Arriba enter of Proposed Design: Latitude: 36.54837*N Longitude: _107.37794*W NAD: X 1927 1983 urface Owner: X Federal State Private Tribal Trust or Indian Allotment Permanent Emergency Covintion P&A Uniend Liner type: Thickness mil LLDPE HDPE PVC Other	Instructions: Please submit one applica	tion (Form C-144) per individual pit, closed-loo	p system, below-grade tank or alternative request			
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ddress: POBox 4289, Farmington, NM 87499 acility or well name: SAN JUAN 27-5 UNIT NP 319 P! Number: 3003925024 /L or QIr/QIr: G Section: 29 Township: Z7N Range: SW County: Rio Arriba enter of Proposed Design: Latitude: 36.54837*N Longitude: -107.37794°W NAD: Xiface Owner: X Federal State Private Tribal Trust or Indian Allotment PH: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Energency Cavitation String-Reinforced Liner type: Liner Seams: Welded Pactory Other	pperator: Burlington Resources Oil & G	as Comnany, LP	OGRID#: 14538			
acility or well name: SAN JUAN 27-5 UNIT NP 319 VPI Number:	Address: PO Box 4289. Farmington. NN	1 87499				
NP1 Number: 3003925024 OCD Permit Number: //L or Qtr/Qtr: C Section: 29 Township: 27N Range: SW County: Rio Arriba enter of Proposed Design: Latitude: 36.548379N Longitude: -107.37794°W NAD: X 1927 1983 urface Owner: X Federal State Private Tribal Trust or Indian Allotment Pit: Subsection F or G of 19.15.17.11 MAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other	acility or well name: SAN JUAN 27-5 U	NIT NP 319				
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urface Owner: X Federal State Private Tribal Trust or Indian Allotment Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced Liner seams: Welded Factory Other	enter of Proposed Design: Latitude:	36.54837°N Longitude:	-107.37794°W NAD: X 1927 1983			
Pit: Subsection F or G of 19.15.17.11 NMAC Temporary: Drilling Workover Permanent Emergency Cavitation P&A Lined Unlined Liner type: String-Reinforced Liner type: Thickness mil Lined Pactory Other	urface Owner: X Federal	State Private Tribal Trust or Indian	Allotment			
Type of Operation: P&A Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type: Thickness mil LLDPE HDPE PVD Other Liner Seams: Welded Factory Other	Permanent Emergency Cavitation Lined Unlined Liner type String-Reinforced Liner Seams: Welded Factory Closed-loop System: Subsection H c	on P&A e: Thickness mil LLDPE Other Volume: of 19.15.17.11 NMAC	HDPE PVC Other			
X Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 120 bbl Type of fluid: Produced Water Tank Construction material: Metal Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other Liner Type: Thickness mil HDPE PVC X Other Unspecified Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	Type of Operation: P&A Drilli Drying Pad Above Ground Stee Lined Unlined Liner type: Liner Seams: Welded Factory	ing a new well Workover or Drilling (Applies to notice of intent) el Tanks Haul-off Bins Other Thicknessmil LLDPE H Other	activities which require prior approval of a permit or DPE PVD Other			
Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	X Below-grade tank: Subsection I of 19. Volume: 120 bbl Tank Construction material:	15.17.11 NMAC Type of fluid: Produced Water Metal Metal X Visible sidewalls, liner, 6-inch lift and autor Visible sidewalls only Other HDPE PVC XOther U	matic overflow shut-off			
Submitial of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental bureau office for consideration of approval.	Alternative Method:	Exceptions must be submitted to the Cente Es Equips	mental Rureau office for consideration of approval			
	Submittal of an exception request is required.	Exceptions must be submitted to the Santa re Environ	anentar Dureau office for consideration of approval.			

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Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permutent pit temporary new and below and to be							
Province and period spectral province and period spectral 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, positivity or church)							
[] Four foot height, four strands of barbed wire evenly spaced between one and four feet							
X Alternate. Please specify 4' hog wire fencing topped with two strands barbed wire.							
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							
Ngus: Subsection C of 19.15.17.11 NMAC							
12 X 24 . 2 lettering, providing Operator's name, site location, and emergency telephone numbers							
A stigned in compliance with 19.15.3.103 NMAC							
9 Administrative Approvale and Energy in the second							
Justifications and/or demonstrations of equivalency are required. Please refer to 10.15.17 ND 4441 c							
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 Sector For For							
(Fencing/BGT Liner)	consideration of approval.						
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.							
10							
Siting Criteria (regarding permitting): 19.15.17.10 NMAC							
source material are provided below. Requests regarding changes to certain siting criteria may require administrations of acceptable							
appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for							
does not apply to drying pads or above grade-tanks associated with a closed-loop system							
Ground water is less than 50 fact below the target and the							
 NM Office of the State Engineer - iWATERS database search: USGS: Data obtained from marking. 	Yes X No						
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other metercourse, but here the							
lake (measured from the ordinary high-water mark).	Yes X No						
- topographic map: Visual inspection (certification) of the proposed site							
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes VINO						
(Applies to temporary emergency or capitation rise and to the section of the sect							
- Visual inspection (certification) of the proposed site: Agrical photo: Set-like	□ NA						
Within 1000 feet from a permanent residence school hernited institution							
(Applied to permanent pits)	Yes No						
- Visual inspection (certification) of the proposed site: Aerial photo: Setallite improve	XNA						
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than first the base for the second se							
purposes, or within 1000 horizontal feet of any other fresh water well or spring that tess than five households use for domestic or stock watering	Yes XNo						
- NM Office of the State Engineer - iWATERS database course. Viewel in a state in the state							
Within incorporated municipal boundaries or within a defined municipal for the proposed site.							
adopted pursuant to NMSA 1978, Section 3-27-3, as amended	Yes X No						
- Written confirmation or verification from the municipality; Written approval obtained from the municipality							
- US Fish and Wildlife Wetland Identification many Theorem the second state of the	Yes XINO						
Within the area overlying a subsurface mine.							
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes XNo						
Within an unstable area.							
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes XNo						
Within a 100-year floodplain							
- FEMA map	Yes X No						

Temporary Pits, Energency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: 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 Report.(Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC B Siting Criteria Compliance Demonstrations - 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 19.15.17.12 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 or Permit 12 Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
X Hydrogeologic Report.(Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19,15,17,9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19,15,17,9 NMAC X Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Paragraph (2) of Subsection B of 19,15,17,9 NMAC X Design Plan - based upon the appropriate requirements of 19,15,17,10 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 Previously Approved Design (attach copy of design) API or Permit or Permit
Image: Provide the parent control of part (Tains) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Image: Provide the parent control of the properties of the paragraph (4) of Subsection B of 19.15.17.9 NMAC Image: String Criteria Compliance Demonstrations - based upon the appropriate requirements of Paragraph (2) of Subsection B of 19:15.17.9 NMAC Image: String Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Image: String Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Image: String Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Image: String Criteria Complexe Demonstrations - based upon the appropriate requirements of 19.15.17.12 NMAC Image: String Criteria Complexe Demonstrations - based upon the appropriate requirements of 19.15.17.12 NMAC Image: String Criteria Complexe Demonstrations - based upon the appropriate requirements of 19.15.17.12 NMAC Image: String Criteria Complexe Demonstrations - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC Image: Previously Approved Design (attach copy of design) API Image: Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Image: String Criteria Complexe Demonstration in the appropriate requirements of 19.15.17.9 NMAC Image: String Criteria Complexe Demonstrate Demonstrate Demonstrate Demonstrate Demonstrate Demonstrate Demonstrate
X Siting Criteria Compliance Demonstrations - based upon the appropriate 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 19.15.17.10 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 Previously Approved Design (attach copy of design) API or Permit or Permit
Image: Second complete complete complete statuting - based upon the appropriate requirements of 19.15.17.10 NMAC Image:
12 12 12 12 12 12 13 14 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 10 12 12 12 12 12 12 12 13 14 15 15 12 12 13 14 15 15 16 17 18 19 10
Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of Previously Approved Design (attach copy of design) API or Permit Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the section B of 19.15.17.9 NMAC
Chokde Fian Previous Prev
Previously Approved Design (attach copy of design) API or Permit Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the rest of the section B of 19.15.17.9 NMAC
12 <u>Closed-loop Systems Permit Application Attachment Checklist:</u> Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the unit of the section B of 19.15.17.9 NMAC
Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate 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 requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9
Providence Approved Decision of the second de
API A
Previously Approved Operating and Maintenance Plan API
Instructions: Each of the full minimizer in the section B of 19.15.17.9 NMAC
Hydrogeologic Report, based upon the application. Please indicate, by a check mark in the box, that the documents are attached.
Siting Criteria Compliance Demonstrations - Inc. 1
Climatological Factors Assessment
Certified Engineering Design Plans - based upon the appropriate requirements of 10.15.17.11 NMAAG
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
Liner Specifications and Compatibility Assessment - 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 19.15.17.12 NMAC Freehoust and Operating Plan - based upon the appropriate requirements of 19.15.17.12 NMAC
Nuisance or Hazardous Odors, inclusion U.S. D
Emergency Response Plan
Oil Field Waste Stream Characterization
Monitoring and Inspection Plan
Erosion Control Plan
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 10 15 17 13 NMAC
14
Proposed Closure: 19.15.17.13 NMAC
nstructions: Please complete the applicable boxes. Boxes 14 through 18, in regards to the proposed closure plan.
ype: Drilling Workover Emergency Cavitation P&A Permanent Pit X Below-grade Tank Closed-loop System
roposed 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)
s
lease indicate, by a check mark in the box, that the documents are attached.
X Protocols and Procedures - based upon the appropriate requirements of 19.15 17 13 NMAC
X Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 10.15.17.12 Nature
X Disposal Facility Name and Permit Number (for liquida datua da
and return verifies and return verifies (for inquides, drilling fluids and drill cuttings)
Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC
 Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection 1 of 19.15.17.13 NMAC

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Waste Removal Closure For Closed-loop Systems That Utilize Above G Instructions: Please identify the facility or facilities for the disposal of liquid are required.	round Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMA ds. dvilling fluids and drill cuttings. Use attachment if more than	C) two facilities
Disposal Facility Name:	Dispussi Paritira paritira	
Disposal Facility Name:	Disposal Pacifity Permit #:	
Will any of the proposed closed-loop system operations and according	Disposal Pacifity Permit #:	
Yes (If yes, please provide the information No	a activities occur on or in areas that will not be used for futu	re service and operations?
Required for impacted areas which will not be used for future service and op Soil Backfill and Cover Design Specification - based upon the Re-vegetation Plan - based upon the appropriate requirements Site Reclamation Plan - based upon the appropriate requirement	perations: appropriate requirements of Sübsection H of 19.15.17.13 N of Subsection I of 19.15.17.13 NMAC ats of Subsection G of 19.15.17.13 NMAC	МАС
17		
Siting Criteria (Regarding on-site closure methods only: 19.15.17. Instructions: Each siting criteria requires a demonstration of complementation of complementation of complementation.	10 NMAC	
certain siting criteria may require administrative approval from the appropriate dist for consideration of approval locate administrative approval from the appropriate dist	ure plan. Recommendations of acceptable source material are provided rict office or may be considered an exception which must be submitted to	below, Requests regarding changes to the Sinta Fe Fiverencement Research
Comparison of the second s	ire required. Please refer to 19,15,17,10 NMAC for guidance.	and the controlline durran office
- NM Office of the State Engineer - WASTERS double		Yes No
And Office of the State Engineer - TwATERS database search: USGS:	Data obtained from nearby wells	N/A
Ground water is between 50 and 100 feet below the bottom of the buri	ed waste	
 NM Office of the State Engineer - iWATERS database search; USGS; I 	Data obtained from nearby wells	
Ground water is more than 100 feet below the bottom of the buried wa	ste.	
 NM Office of the State Engineer - iWATERS database search; USGS; E 	Data obtained from nearby wells	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any othe (measured from the ordinary high-water mark).	r significant 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 ch Visual inspection (certification) of the proposed site; Aerial photo; satelli	nurch in existence at the time of initial application. te itnage	Yes No
Within 500 horizontal feet of a private, domestic fresh water well or spring tha purposes, or within 1000 horizontal fee of any other fresh water well or spring, - NM Office of the State Engineer - iWATERS database: Visual inspection Within incorporated municipal boundaries or within a defined municipal fresh pursuant to NMSA 1978, Section 3-27-3, as amended.	t less than five households use for domestic or stock watering in existence at the time of the initial application. (certification) of the proposed site water well field covered under a municipal ordinance adopted	Yes No
Written confirmation or verification from the municipality; Written appro Vithin 500 feet of a wetland	eval obtained from the municipality	
 US Fish and Wildlife Wetland Identification map: Topographic map; Vision 	ual inspection (certification) of the proposed site	LI Yes LINO
Willing the area overlying a subsurface mine. Written confirantion or verification or man from the NM EMMED Maria	g and Minum Division	Yes No
ithin an unstable area.	B and MIRCLAI DIAISIOU	
- Engineering measures incorporated into the design; NM Bureau of Geolog Topographic map	y & Mineral Resources: USGS; NM Geological Society;	Yes No
/ithin a 100-year floodplain. - FEMA map		Yes No
a check mark in the box, that the documents are attached.	Each of the following items must bee attached to the closur	re plan. Please indicate,
Siting Criteria Compliance Demonstrations - based upon the approx	Opriate requirements of 19 15 17 10 NMAC	
Proof of Surface Owner Notice - based upon the appropriate requi	rements of Subsection F of 19.15.17.13 NMAC	
Construction/Design Plan of Burial Trench (if applicable) based u	pon the appropriate requirements of 19.15.17 11 NMAC	
Construction/Design Plan of Temporary Pit (for in place burial of	a drying pad) - based upon the appropriate requirements of 1	9.15.17.11 NMAC
Protocols and Procedures - based upon the appropriate requiremen	its of 19.15.17.13 NMAC	
Waste Material Sampling Plan (if applicable) - based upon the appro	priate requirements of Subsection F of 19.15.17.13 NMAC	
waste (viateria) sampling Plan - based upon the appropriate requin	ements of Subsection F of 19.15.17.13 NMAC	
Soil Cover Design - based upon the approximation of the section of	uids and drill cuttings or in case on-site closure standards can	not be achieved)
Re-vegetation Plan - based upon the appropriate requirements of Su	ubsection H of 19.15.17.13 NMAC ubsection I of 19.15.17.13 NMAC	

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

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Operator Application	Certification:		
Thereby certify that the inf	formation submitted with this application is true, accura	te and complete to the b	est of my knowledge and belief.
Name (Print):	Crystal Tafoya	Title:	Regulatory Technician
Signature:	Contal Taloya	Date:	12/22/2008
e-mail address:	prystal taleyai@conocophillips.com	Telephone:	505-326-9837
24			
OCD Annroval	Permit Application (including alcours start)	711	<u> </u>
Service []		Closure Plan (only)	OCD Conditions (see attachment)
OCD Representative Si	ignature:		Approval Date:
Title:		OCD P	
		OCD Fermit	Number:
21			
Closure Report (requir	ed within 60 days of closure completion): Subsects	on K of 19.15.17.13 NMAC	
report is required to be sub	required to obtain an approved closure plan prior to in mitted to the division within 60 days of the completion o	nplementing any closure of the closure activities	activities and submitting the closure report. The closure
approved closure plan has	been obtained and the closure activities have been com	pleted:	r rease up nor complete this section of the form until an
		Closure C	Completion Date:
37			
Closure Method:			
Waste Excavation a	and Removal On-site Closure Method	Alternative Closure Me	ethod Waste Removal (Claused to a survey)
If different from app	proved plan, please explain.		waste Renioval (Closed-loop systems only)
23			
Closure Report Regarding	Waste Removal Closure For Closed-Joon Systems Ti	ant Utilize Above Course	
Instructions: Please identif	y the facility or facilities for where the liquids, drilling	fluids and drill cuttings	na Steel Lanks or Haul-off Bins Only:
were utilized.		,	were asposed. Ose anachmena ij more inan two faculties
Disposal Facility Name:		Disposal Facility Per	mit Number:
Disposal Facility Name:		Disposal Facility Per	mit Number:
Yes (If yes, please d	tem operations and associated activities performed on o	r in areas that will not be	e used for future service and opeartions?
Paulieud for improved o		D	
Site Reclamation (P	vers which will not be used for future service and operat hoto Documentation)	ions:	
Soil Backfilling and	Cover Installation		
Re-vegetation Applie	cation Rates and Seeding Technique		
24			
Closure Report Attac	hment Checklist: Instructions: Each of the followin	g items must be attached	d to the closure report. Please indicate by a check much in
the box, that the docume.	nts are attached.		the second
Proof of Closure N	otice (surface owner and division)		
FIOULOT DEED NOU	ce (required for on-site closure)		
Plot Plan (for on si	to closure and termone (-it-)		
Plot Plan (for on-sit	te closures and temporary pits)		
Plot Plan (for on-sit	te closures and temporary pits) pling Analytical Results (if applicable)		
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New Mexico Office of the State Engineer

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New Mexico Office of the State Engineer POD Reports and Downloads
Township: 27N Range: 05W Sections:
NAD27 X: Y: Zone: Search Radius:
County: Basin: Number: Suffix:
Owner Name: (First) (Last) CNon-Domestic CDomestic @ All
POD / Surface Data Report Avg Depth to Water Report Water Column Report
Clear Form IWATERS Menu Help
WATER COLUMN REPORT 08/20/2008

	(quarter (quarter	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)						Depth	Depth	Water	(in		
POD Number	Tws	Rng	Sec	P	P	q	Zone	x	Y	Well	Water	Column	
RG 81026	27N	05W	27	4	4	3				460	186	274	
SJ 00199	27N	05W	03	2	1					1840			
SJ 00046	27N	05W	04	4	4					506	260	246	

Record Count: 3

costatem!//dpu



ConocoPhillips

AERIAL MAP SAN JUAN 27-5 UNIT NP 319



8/08

Mines, Mills and Quarries Web Map

SAN JUAN 27-5 UNIT NP 319

Unit Letter: G, Section: 29, Town: 027N, Range: 005W



SAN QUAN 27-5 INVIT # NP 319



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SAN JUAN 27-5 UNIT NP 319

Site Specific Hydrogeology

A visual site inspection confirming the information contained herein was performed on the well 'SAN JUAN 27-5 UNIT NP 319', which is located at 36.54837 degree, North latitude and 107.37794 degree, West longitude. This location is located on the Santos Peak 7.5' USGS topographic quadrangle. This location is in section 29 of Township 27 North Range 5 West of the Public Land Survey System (New Mexico Principal Meridian). This location is located in Rio Arriba County, New Mexico. The nearest town is Turley, located 26.4 miles to the northwest. The nearest large town (population greater than 10,000) is Farmington, located 47.7 miles to the west (National Atlas). The nearest highway is US Highway 64, located 9.6 miles to the north. The location is on BLM land and is 1,284 feet from the edge of the parcel as notated in the BLM land status layer updated January 2008. This location is in the Blanco Canyon. New Mexico, Sub-basin. This location is located 1969 meters or 6458 feet above sea level and receives 11.5 inches of rain each year. The vegetation at this location is classified as Inter-Mountain Basins Semi-Desert Grassland as per the Southwest Regional Gap Analysis Program.

The estimated depth to ground water at this point is 246 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 359 feet to the east and is classified by the USGS as an intermittent stream. The nearest perennial stream is 1,704 feet to the southeast. The nearest water body is named Candelaria Waterhole and is 1,873 feet to the southeast. It is classified by the USGS as a perennial lake and is 0.4 acres in size. The nearest spring is 25,187 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 7,861 feet to the west. The nearest wetland is a 321.6 acre Ravine located 1,701 feet to the southeast. The slope at this location is 1 degree, to the east as calculated from USGS 30M National Elevation Dataset. This information is also discerned from the aerial and topographic map included. The surface geology at this location is SAN JOSE FORMATION--Siltstone. shale, and sandstone with a Sandstone dominated formations of all ages substrate. The soil at this location is 'Pinavetes-Florita complex, 2 to 10 percent slopes' and is excessively drained and not hydric with moderate erosion potential as taken from the NRCS SSURGO map unit, downloaded January 2008. The nearest underground mine is 19.8 miles to the north as indicated on the Mines, Mills and Quarries Map of New Mexico provided.

Regional Hydrogeological context:

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

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

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

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

General Plan:

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

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



PROPERTIES TEST METHOD J30BB J36BE **J45BB** Min. Roll Typical Roll Min. Roll Typical Roll Min. Roll Averages Averages Averages Averages Averages Appearance Black/Black Black/Black Black/Black **Thickness** ASTM D 5199 27 mil 30 mil 32 mił 36 mil 40 mil Weight Lbs Per MSF 126 lbs 140 lbs ACTUO FOR 161 16-.....

(oz/yd²)	ASTM D 5261	(18.14)	(20.16)	(21.74)	168 lbs (24,19)	189 lbs (27 21)	210 lbs	
Construction		**Extrusion laminated with encapsulated tri-directional scrim reinforcement						
Ply Adhesion	ASTM D 413	16 lbs	20 lbs	19 lbs	24 lbs		cement	
		00 11 (1 10		10 100	24105	25 105	31 lbs	
1" Tensile Strength	ASTM D 7003	63 lbf MD	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	750 MD	
1° Tensile Elongation @		20 MD	22.140			550 00	750 00	
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	90 lbf	
Maximum Use Temperature		180° F	180° F	180° E	190% 5	4000 5	39 101	
Minimum Use Temperature		70% 5	700 7	100 F		180° F	180° F	
		-70" F	-70° F	-70° F	-70° F	-70° F	-70° F	

MD = Machine Direction

DD = Diagonal Directions

OURA-SCOM

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

*Dimensional Stability Maximum Value

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

Note: IPAVEN INDUSTRIES MAKES NO IMARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, to guarantee of satisfactory results from researce upon contained information or recommendations and aso arms all hubbley (or resulting loss or damage.



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

Typical Roll

Averages

45 mil

RAVEN INDUSTRIES INC. EXPOSED GEOMEMBRANE LIMITED WARRANTY

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

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

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

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

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

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

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

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

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

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

General Plan:

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

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

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

General Requirements:

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

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