District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

# State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Proposed Alternative Method Permit or Closure Plan Application FCEIVED  Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request [1]  Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground-water or the
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
1. Operator: Burlington Resources OGRID #: 14538
Address: PO BOX 4289, Farmington, NM 87499
Facility or well name: San Juan 30-6 Unit 112Y
API Number: <u>3003923501</u> OCD Permit Number:
U/L or Qtr/Qtr A (NENE) Section 26 Township 30N Range 6W County: Rio Arriba  Center of Proposed Design: Latitude 36.78757 N Longitude -107.42567 N NAD: 1927 1983
Surface Owner: ☑ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment
2.
Pit: Subsection F, G or J of 19.15.17.11 NMAC
Temporary:  Drilling  Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3. 57 p
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   Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls only ☐ Other
Liner type: Thickness 45 mil  HDPE PVC Other <u>LLDPE</u>
4. Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
5.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, 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, institution or church)
Four foot height, four strands of barbed wire evenly spaced between one and four feet
Alternate. Please specify

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)	<del></del>
7.  Signs: Subsection C of 19.15.17.11 NMAC  ☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers  ☐ Signed in compliance with 19.15.16.8 NMAC	
Variances 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:  □ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.  □ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.  - □ NM Office of the State Engineer - iWATERS database search; □ USGS; ☑ Data obtained from nearby wells	☐ Yes ☑ No ☐ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.  NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
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. ( <b>Does not apply to below grade tanks</b> )  - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks)  - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	Yes No
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ⊠ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☑ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.  NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Temporary Pit Non-low chloride drilling fluid	!
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Permanent Pit or Multi-Well Fluid Management Pit	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).  - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached.  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 Siting Criteria Compliance Demonstrations - 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. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number:  or Permit Number:	ouments are  O NMAC  15.17.9 NMAC
11.	
Multi-Well Fluid Management Pit 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 do attached.  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 A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC	9,15.17.9 NMAC
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

Permanent Pits Permit Application 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 attached.	documents are
☐ Hydrogeologic Report - based upon the requirements of Paragraph (1) 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	
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	
☐ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
<ul> <li>Nuisance or Hazardous Odors, including H₂S, Prevention Plan</li> <li>Emergency Response Plan</li> </ul>	
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 19.15.17.13 NMAC	
13. Proposed Closure: 19.15.17.13 NMAC	
Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: ☐ Drilling ☐ Workover ☐ Emergency ☐ Cavitation ☐ P&A ☐ Permanent Pit ☒ Below-grade Tank ☐ Multi-well Fl☐ Alternative	uid Management Pit
Proposed Closure Method: Waste Excavation and Removal	
<ul><li></li></ul>	
☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
14,	
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached.	attached to the
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC	
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC ☐ Disposal Facility Name and Permit Number (for liquids, 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	
<ul> <li>□ Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> <li>□ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC</li> </ul>	
15. <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. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. F	
19.15.17.10 NMAC for guidance.	reuse rejer to
Ground water is less than 25 feet below the bottom of the buried waste.	☐ Yes ☐ No
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ NA _
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	│
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 obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).	☐ Yes ☐ No
- Topographic map; Visual inspection (certification) of the proposed site	
<ul> <li>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</li> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	Yes No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application.  - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland.	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

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  16.  On-Site Closure Plan Checklist: (19.15.17.13 NMAC) 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.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Continuation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Site Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Site Cover Design - based upon the appropriate requirements of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.  Name (Print): Kenny Davis  Title: Staff Regulatory Technician  Technone: 505-599-4045		
Within an utable area  Fingineering measures incorporated into the design, NM Bureau of Goology & Mineral Resources, USGS; NM Goological Society; Topographic map  Within an 100-year floodplain.  FEMA map  Within a 100-year floodplain.  FEMA map  On-Site Clouve Plan Checklist; (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the chouver plan. Please indicate, by a necked must in the box, that the documents are attached.  Sing Coffeel Complement Demonstrations - based upon the appropriate requirements of 19.15.17.13 NMAC  Consequent Design Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Consequent Design Plan of Temporary Pil (for in-place buried of a driving pad) - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Soroping Plan to based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Soroping Plan to based upon the appropriate requirements of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Soli (Over Design - based upon the appropriate requirements of 5 subsection II of 19.15.17.13 NMAC  Department of the subsection Plan Design of the subsection II of 19.15.17.13 NMAC  C	- Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Figure ring measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society Propographic map   Ves   No   No   No   No   No   No   No   N		Yes No
Within a 100-year floodplain.  FEMA map  On Sile Chautre Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the failtowing items must be attacked to the closure plan. Please imilicate, by a check mark in the box, that the documents are attacked.  Sing Cricical Compliance Demonstrations: based upon the appropriate requirements of 19.15.17.13 NMAC    Proof of Stratec Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC   ConstructionDesign Plan of Burital Treach (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC   ConstructionDesign Plan of Tenritary Plat (in the proportial requirements of 19.15.17.13 NMAC   Protocols and Proceedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of 19.15.17.13 NMAC   Protocols and Procedings of the proportial requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Protocols and Procedings of the proportial requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Prot		
On Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Euch 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.    Siting Critical Compliance Demonstrations - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC   Construction/Design Plan of Barial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.13 NMAC   Construction/Design Plan of Barial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.13 NMAC   Construction/Design Plan of Barial Trench (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC   Construction/Design Plan of Barial Trench (if applicable) based upon the appropriate requirements of 19.15.17.13 NMAC   Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC   Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC   Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC   Disposal Facility Name and Permit Number (for brauks, drilling Budis and drill cuttings or in case on-site closure standards cannot be achieved)   Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Site Realmanton Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Site Realmanton Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Proceedings of the Application Submitted with this application is true, accurate and complete to the best of my knowledge and belief.    Protocols and Procedures - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Procedures - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Procedures - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC   Protocols and Protoc	Within a 100-year floodplain.	
On Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check must in the box, that the documents are attached.    given the control of the control of the control of the control of the properties requirements of Subsection (19.15.17.13 NMAC)   Construction/Design Plan of Burial Tirach (if applicable) based upon the appropriate requirements of Subsection (19.15.17.13 NMAC)   Construction/Design Plan of Burial Tirach (if applicable) based upon the appropriate requirements of Subsection (19.15.17.13 NMAC)   Construction/Design Plan of Eurol (if applicable) in circulate burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC     Confirmation Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC     Disposal Facility Name and Permit Number (for fluids, drilling ludks and drill cuttings or in case on-site closure standards cannot be achieved)   Soli Cover Design - based upon the appropriate requirements of 19.15.17.13 NMAC     Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC     Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC     Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC     Operator Application Certification:   The control of the properties requirements of Subsection H of 19.15.17.13 NMAC     Operator Application Certification:   The control of the control		
Operator Application Certification:   Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.   Name (Print): Kenny Davis	by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	.11 NMAC 15.17.11 NMAC
Signature:	I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and bel	ief.
e-mail actress:tenny.r.danis@cop.com	Name (Print): Kenny Davis Title: Start Regulatory Technician	
OCD Approval:   Permit Application (including closure plan)   Closure Plan (only)   OCD Conditions (see attachment)  OCD Representative Signature:   Approval Date: 3/3/15  Title:   Government   Specific Specifi		
OCD Approval:   Permit Application (including closure result)   Closure Plant (only)   OCD Conditions (see attachment)  OCD Representative Signature:   Approval Date: 3/3/15  Title:   Source Report (required within 60 days of closure completion): 19.15.17.13 NMAC  Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.    Closure Completion Date:   20.   Closure Method:   Alternative Closure Method   Waste Removal (Closed-loop systems only)   If different from approved plan, please explain.    It different from approved plan, please explain.   21.   Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.   Proof of Closure Notice (surface owner and division)   Proof of Deed Notice (required for on-site closure for private land only)   Plot Plan (for on-site closures and temporary pits)   Confirmation Sampling Analytical Results (if applicable)   Waste Material Sampling Analytical Results (if applicable)   Site Reclamation (Photo Documentation)   Re-vegetation Application Rates and Seeding Technique   Site Reclamation (Photo Documentation)	e-mail address: kenny.r.danis@cop.com Fetephone: 505-599-4045	
Title: Lowison reads   Spec   OCD Permit Number:   19.	OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	1,-
Title: Book on nearly   OCD Permit Number:    19.   Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC.   Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.    Closure Completion Date:	OCD Representative Signature: Approval Date: Approval Date:	/ /5
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC.  Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report.  The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.  Closure Method:  Closure Method:  Closure Method   Alternative Closure Method   Waste Removal (Closed-loop systems only)    If different from approved plan, please explain.  Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure for private land only)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)		
Closure Method:  Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)  If different from approved plan, please explain.  Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure for private land only)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)  Disposal Facility Name and Permit Number  Soil Backfilling and Cover Installation  Re-vegetation Application Rates and Seeding Technique  Site Reclamation (Photo Documentation)	Title: Knvisonmental Spec Y OCD Permit Number:	
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Operator Closure Certification:		
	with this closure report is true, accurate and complete to the best of my knowledge e closure requirements and conditions specified in the approved closure plan.	e and
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	

### **BGT CLOSURE PLAN ONLY VARIANCE**

#### Variance:

- 1. The BGT was installed prior to 2008 Pit Rule and was missed being permitted in the 2008 BGT permitting project.
- 2. Since siting criteria for the subject well was not provided, Burlington Resources understands that that the most stringent sample result criteria will have to be met.
- 3. BR will notify Public Entity Surface Owners by e-mail in lieu of certified mail. Private Entity Owners will still be notified via certified mail.

# Burlington Resources Oil & Gas Company LP San Juan Basin: New Mexico Assets

Production BGT Closure Plan

In accordance with Rule 19.15.17.13 NMAC, the following plan describes the general closure requirements of below-Grade Tanks (BGT) on Burlington Resources Oil Gas Company LP (BR) locations in the San Juan Basin of New Mexico. This is BR's standard closure procedure for all BGTs regulated under Rule 19.15.17 NMAC and operated by BR. For those closures which do not conform to this standard closure plan, a separate BGT specific closure plan will be developed and utilized.

## **Closure Conditions and Timing for BGT:**

- Within 60 days of cessation of operation BR will:
  - o Remove all liquids and sludge and dispose in a division approved manner.
- Within 72 Hrs or 1 week prior to closure BR will:
  - Give notice to surface owners by certified mail. For public entities by email as specified on the variance page.
  - Give notice to District Division verbally and in writing/email.
- Within 6 months of cessation of operation BR will:
  - O Remove BGT and dispose, recycle, reuse, or reclaim in a division approved manner.
  - o Remove unused onsite equipment associated with the BGT.
- Within 60 days of closure BR will:
  - O Send the District Division a Closure Report per 19.15.17.13.F (1).

## **General Plan Requirements:**

- Prior to initiating any BGT closure, except in the case of an emergency, BR will
  notify the surface owner of the intent to close the BGT by certified mail no later
  than 72 hours or one week before closure and a copy of this notification will be
  included in the closure report. In the case of an emergency, the surface owner
  will be notified as soon as practical.
- 2. Notice of closure will be given to the District Division office between 72 hours and one week of the scheduled closure via email or phone. The notification of closure will include the following:
  - a. Operators Name
  - b. Well Name and API Number
  - c. Location

- 3. All liquids will be removed from the BGT following cessation of operation. Produced water will be disposed of at one of BR's approved Salt Water Disposal facilities or at a District Division approved facility.
- 4. Solids and sludge's will be shoveled and/or vacuumed out for disposal at one of the District Division approved facilities, depending on the proximity of the BGT site: Envirotech Land Farm (Permit #NM-01-011), JFJ Land Farm % Industrial Ecosystems Inc. (Permit #NM-01-0010B), and Basin Disposal (Permit #NM-01-005).
- 5. BR will obtain prior approval from District Division to dispose, recycle, reuse, or reclaim the BGT and provide documentation of the disposition of the BGT in the closure report. Steel materials will be recycled or reused as approved by the District Division. Fiberglass tanks will be empty, cut up or shredded, and EPA cleaned for disposal as solid waste. Liner materials will be cleaned without soils or contaminated material for disposal as solid waste. Fiberglass tanks and liner materials will meet the conditions of 19.15.35 NMAC. Disposal will be at a licensed disposal facility, presently San Juan County Landfill operated by Waste Management under NMED Permit SWM-052426.
- 6. Any equipment associated with the BGT that is no longer required for some other purpose, following the closure, will be removed.
- 7. Following removal of the tank and any liner material, BR will test the soils beneath the BGT as follows:
  - a. At a minimum, a five-point composite sample will be taken to include any obvious stained or wet soils or any other evidence of contamination.
  - b. The laboratory sample shall be analyzed for the constituents listed in Table I of 19.15.17.13.

Systems and Pits whe	re Contents a	re Removed	
Depth below bottom of pit to groundwater	Constituent	Method*	Limit**
less than 10,000 mg/l TDS			
7	Chloride	EPA 300.0	600 mg/kg
≤50 feet '	TPH	EPA SW-846 Method 418.1	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
51 feet-100 feet	Chloride	EPA 300.0	10,000 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
	Chloride	EPA 300.0	20,000 mg/kg
> 100 feet	ТРН	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
·	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

<sup>\*</sup>Or other test methods approved by the division

<sup>\*\*</sup>Numerical limits or natural background level, whichever is greater (19.15.17.13 NMAC-Ro, 19.15.17.13 NMAC 3/28/2013)

- 8. If the District Division and/or BR determine there is a release, BR will comply with 19.15.17.13.C.3b.
- 9. Upon completion of the tank removal, pursuant to 19.15.17.13.C.3c, if all contaminant concentrations are less than or equal to the parameters listed in Table I of 19.15.17.13 NMAC, the excavation will be backfilled with non-waste earthen material compacted and covered with a minimum of one foot top soil or background thickness whichever is greater and to existing grade. The surface will be re-contoured to match the native grade and to prevent ponding.
- 10. For those portions of the former BGT area no longer required for production activities, BR will seed the disturbed area the first favorable growing season after the BGT is covered. Seeding will be accomplished via drilling on the contour whenever practical, or by other District Division-approved methods. BR will notify the District Division when reclamation and re-vegetation is complete.

Reclamation of the BGT shall be considered complete when:

- Vegetative cover reflects a life form ratio of +/- 50% of pre disturbance levels.
- Total percent plant cover of at least 70% of pre-disturbance levels (Excluding noxious weeds) OR
- Pursuant to 19.15.17.13.H.5d BR will comply with obligations imposed by other applicable federal or tribal agencies in which there re-vegetation and reclamation requirements provide equal or better protection of fresh water, human health and the environment.
- 11. For those portions of the former BGT area required for production activities, reseeding will be done at well abandonment, and following the procedure noted above.

## **Closure Report:**

All closure activities will include proper documentation and will be submitted to OCD within 60 days of the BGT closure on a Closure Report using District Division Form C-144. The Report will include the following:

- Proof of Closure Notice (surface owner and District Division)
- Backfilling & cover installation
- Confirmation Sampling Analytical Results
- Application Rate & Seeding techniques
- Photo Documentation of Reclamation