| <u>District 1</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u> 1301 W. Grand Ave., Artesia, NM 88210 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410 | State of New Mexico Energy Minerals and Natural Resourc Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 | For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office. For permanent pits and exceptions submit to the Santa Fe |
|--|---|--|
| District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 | | Environmental Bureau office and provide a copy to the appropriate NMOCD District Office. |
| | Pit, Closed-Loop System, Below-Gr | ade Tank, or |
| Prope | osed Alternative Method Permit or Cl | |
| Type of action: | X Permit of a pit, closed-loop system, below-grad | e tank or proposed alternative method |
| | Closure of a pit, closed-loop system, below-gra | |
| | Modification to an existing permit | |
| | | mitted or non-permitted pit, closed-loop system, |
| Instructions: Please submit one a | | loop system, below-grade tank or alternative request |
| - | f this request does not relieve the operator of liability should operatio | |
| environment. Nor does approval reli | eve the operator of its responsibility to comply with any other applica | able governmental authority's rules, regulations or ordinances. |
| 1 Operator: Burlington Resources Oi | L& Gas Company, LP | OGRID#: 14538 |
| Address: PO Box 4289, Farmingto | | <u> </u> |
| Facility or well name: Culpepper M | | |
| |)-045-30553 OCD Permit Nu | mber: |
| U/L or Qtr/Qtr: O(SW/SE) Section | | 12W County: San Juan |
| Center of Proposed Design: Latitude | | 108.11552 °W NAD: X 1927 1983 |
| Surface Owner: Federal | State X Private Tribal Trust or Inc | |
| Lined Unlined Li | | RCVD DEC 7 '12 OIL CONS. DIV HDPE PVC Other DIST. 3 bbl' Dimensions L x W x D |
| 3 X Closed-loop System: Subsect Type of Operation: X P&A | ion H of 19.15.17.11 NMAC Drilling a new well Workover or Drilling (Applie notice of intent) | s to activities which require prior approval of a permit or |
| Lined Unlined Line | nd Steel Tanks Haul-off Bins Other r type: Thickness mil LLDPE [actory Other | HDPE PVD Other |
| 4 Below-grade tank: Subsection 1 Volume: b Tank Construction material: b Secondary containment with leak de Visible sidewalls and liner Liner Type: Thickness | bl Type of fluid: | automatic overflow shut-off |
| 5 Alternative Method: Submittal of an exception request is req | uired. Exceptions must be submitted to the Santa Fe Envi | ronmental Burcau office for consideration of approval. |

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| 6 Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks) | | | |
|--|----------------|---------|--|
| | | | |
| Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet | | | |
| Alternate. Please specify | | | |
| 7 | | | |
| <u>Netting:</u> Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) | | | |
| Screen Netting Other | | | |
| 8 | | | |
| Signs: Subsection C of 19.15.17.11 NMAC | | | |
| 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers Signed in compliance with 19.15.3.103 NMAC | | | |
| | | | |
| Administrative Approvals and Exceptions: | | | |
| Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: | | - | |
| Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for const | deration of ap | proval. | |
| (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. | | | |
| | | | |
| ¹⁰ <u>Siting Criteria (regarding permitting)</u> : 19.15.17.10 NMAC | | | |
| Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the | | | |
| appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria | | | |
| does not apply to drying pads or above grade-tanks associated with a closed-loop system. | | | |
| Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | Yes | No | |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake | Yes | No | |
| (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site | | | |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. | Yes | No | |
| (Applies to temporary, emergency, or cavitation pits and below-grade tanks) | NA | | |
| - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | | | |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. | Yes | No | |
| (Applied to permanent pits) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | | | |
| Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. | Yes | No | |
| - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site. | | | |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended Written confirmation or worification from the punicipality. Written confirmation from the municipality. | Yes | No | |
| Written confirmation or verification from the municipality; Written approval obtained from the municipality Within 500 feet of a wetland. US Fish and Wildlife Wotland Identification many Tanagraphia many Visual inspection (cortification) of the proposed site | Yes | No | |
| - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine. | Yes | No | |
| - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division | Yes | No | |
| Within an unstable area. - 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 | TYes | No | |

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| Hydrogeologic Repo | owing items must be attached to th | | tachment Checklist: Subsect by a check mark in the box, that | |
|--|---|--|--|--|
| Hvdrogeologic Data | ort (Below-grade Tanks) - based | | • | |
| | (Temporary and Emergency P | its) - based upon the require | ments of Paragraph (2) of Sut | osection B of 19.15.17.9 |
| Siting Criteria Comp | pliance Demonstrations - based | l upon the appropriate requir | ements of 19.15.17.10 NMAC | 2 |
| Design Plan - based | upon the appropriate requirem | ents of 19.15.17.11 NMAC | | |
| Operating and Maint | ntenance Plan - based upon the a | appropriate requirements of | 19.15.17.12 NMAC | |
| | e complete Boxes 14 through 18 and 19.15.17.13 NMAC | 8, if applicable) - based upor | 1 the appropriate requirements | s of Subsection C of |
| Previously Approved Do | esign (attach copy of design) | API | or Permi | it |
| Instructions: Each of the follo Geologic and Hydro Siting Criteria Comp X Design Plan - based X Operating and Maint X Closure Plan (Please NMAC and 19.15.17 | | he application. Please indicate, closure) - based upon the re or on-site closure) - based up ents of 19.15.17.11 NMAC appropriate requirements of | by a check mark in the box, that equirements of Paragraph (3) of pon the appropriate requirement 19.15.17.12 NMAC | of Subsection B of 19.15.17.9 nts of 19.15.17.10 NMAC |
| Previously Approved Do | esign (attach copy of design) | API | | |
| Previously Approved Or | perating and Maintenance Plan | API | | |
| Leak Detection Desi Liner Specifications Quality Control/Qua Operating and Maine Freeboard and Overt Nuisance or Hazardd Emergency Respons Oil Field Waste Stre Monitoring and Insp Erosion Control Plar | eam Characterization | e requirements of 19.15.17. t - based upon the appropriated Installation Plan appropriate requirements of d upon the appropriate requirements of d upon the appropriate requirements of the approprise requirements of the app | 11 NMAC te requirements of 19.15.17.11 19.15.17.12 NMAC rements of 19.15.17.11 NMA | I NMAC |
| | te the applicable boxes, Boxes 14 orkover Emergency Ca | nvitation XP&A Per | | ank XClosed-loop System |
| Proposed Closure Method: | X Waste Removal (Closed-lo On-site Closure Method (o In-place Buria | only for temporary pits and clease and cle | osed-loop systems) itted to the Santa Fe Environme | ental Bureau for consideration) |
| ¹⁵ <u>Waste Excavation and Re</u> <i>Please indicate, by a check m</i> Protocols and Procee | On-site Closure Method (o | only for temporary pits and clean al On-site Trench od (Exceptions must be subm st: (19.15.17.13 NMAC) Instr- tuts are attached. riate requirements of 19.15.1 | itted to the Santa Fe Environme auctions: Each of the following in 7.13 NMAC | tems must be attached to the closu |

| | op Systems That Utilize Above Ground St | | | | |
|---|---|--|---------------------------------|----------------|--------------|
| Instructions: Please identify the facility o facilities are required. | r facilities for the disposal of liquids, drillin | ng fluids and drill cuttings. Use | attachment if more than two | | |
| Disposal Facility Name: Envirote | ch / JFJ Landfarm / IEI | Disposal Facility Permit #: | NM-01-0011 / NM-01-00 | 10B | |
| Disposal Facility Name: Basin Di | isposal Facility | Disposal Facility Permit #: | NM-01-005 | | |
| Will any of the proposed closed-loop Yes (If yes, please provide the | system operations and associated activitinformation | ties occur on or in areas that w | vill not be used for future s | service and | |
| Soil Backfill and Cover Desig | not be used for future service and operation. In Specification - based upon the approp on the appropriate requirements of Subs upon the appropriate requirements of S | riate requirements of Subsect ection I of 19.15.17.13 NMA | С | C | |
| | | | | | |
| Instructions: Each siting criteria requires a certain siting criteria may require administr | closure methods only: 19.15.17.10 NML demonstration of compliance in the closure pla ative approval from the appropriate district off vations and/or demonstrations of equivalency a | n. Recommendations of acceptable fice or may be considered an excep | tion which must be submitted to | | |
| Ground water is less than 50 feet belo | | | | Yes | No |
| - NM Office of the State Engineer - | iWATERS database search; USGS: Data of | otained from nearby wells | | N/A | |
| Ground water is between 50 and 100 | feet below the bottom of the buried was | te | | Yes | No |
| - NM Office of the State Engineer - i | WATERS database search; USGS; Data ob | tained from nearby wells | | N/A | |
| Ground water is more than 100 feet b | elow the bottom of the buried waste. | | | Yes | No |
| | WATERS database search; USGS; Data ob | tained from nearby wells | | ∏N/A | |
| Within 300 feet of a continuously flowing (measured from the ordinary high-water n | s watercourse, or 200 feet of any other signifination and the significant terms of the second seco | ficant watercourse or lakebed, si | nkhole, or playa lake | Yes | No |
| - Topographic map; Visual inspection | n (certification) of the proposed site | | | | |
| • | nce, school, hospital, institution, or church in the proposed site; Aerial photo; satellite image | | pplication. | Yes | No |
| | | - | | Yes | No |
| purposes, or within 1000 horizontal fee o | omestic fresh water well or spring that less t f any other fresh water well or spring, in exi WATERS database; Visual inspection (certi | stence at the time of the initial ap | | | _ |
| pursuant to NMSA 1978, Section 3-27-3, | s or within a defined municipal fresh water v as amended. I from the municipality; Written approval ob | | ipal ordinance adopted | Yes | No |
| Within 500 feet of a wetland | i nom me maneipanty, written approval of | tailed non-the maneipanty | | TYes | |
| | tification map; Topographic map; Visual ins | spection (certification) of the pro | posed site | | |
| Within the area overlying a subsurfac | e mine. | | | Yes | No |
| - Written confirantion or verification | or map from the NM EMNRD-Mining and | Mineral Division | | _ | _ |
| Within an unstable area. | inter the design ADA Deserve of Contains & A | Guard Damage LISCS, NM | Carloniari Secietu | Yes | No |
| - Engineering measures incorporated Topographic map | into the design; NM Bureau of Geology & M | vineral Resources; 0505; NM | Geological Society; | | |
| Within a 100-year floodplain. - FEMA map | | | | Yes | No |
| | 9.15.17.13 NMAC) Instructions: Eac | h of the following items mu | st bee attached to the closu | re plan. Plea | se indicate, |
| by a check mark in the box, that the | | | | | |
| | emonstrations - based upon the appropri | | | | |
| | e - based upon the appropriate requirem | | | | |
| | Burial Trench (if applicable) based upon | | | 10.16.17.11.1 | MAG |
| | Femporary Pit (for in place burial of a di sed upon the appropriate requirements c | | opropriate requirements of | 19.15.17.11 N | MAC |
| , Confirmation Sampling Plan (| (if applicable) - based upon the appropri | ate requirements of Subsection | on F of 19.15.17.13 NMAC | | |
| Waste Material Sampling Plar | n - based upon the appropriate requirement | ents of Subsection F of 19.15 | .17.13 NMAC | | |
| Disposal Facility Name and Pe | ermit Number (for liquids, drilling fluid | s and drill cuttings or in case | on-site closure standards ca | annot be achie | ved) |
| | on the appropriate requirements of Subs | | | | |
| I I Re-vegetation Plan - based un | on the appropriate requirements of Subs | section 1 of 19.15.17.13 NMA | | | |

 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

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

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| Name (Print): Signature: e-mail address: 20 OCD Approval: CD Representative S Title: 21 Closure Report (requind Instructions: Operators arr report is required to be suit | rmation submitted with this application is true, acc Dollicy)Busse Dollicy)Busse Dollicy)Busse Dollicy)Busse Constant dollie.I.busse@conocophillips.com | Closure Plan (only) | Staff Regulatory Technician / 2/ 7/ / 2 505-324-6104 OCD Conditions (see attachment) Approval Date: 2/12/2002 |
|---|---|---------------------------------|---|
| Signature: e-mail address: 20 20 20 20 20 20 20 20 20 20 | ermit Application (including closure plan) | Date: | $\frac{2/7/12}{505-324-6104}$ $\boxed{\text{OCD Conditions (see attachment)}}$ $\underline{\text{Approval Date: } \frac{2/12/2002}{2002}$ |
| e-mail address: 20 20 20 20 20 20 20 20 20 20 | dollie.l.busse@conocophillips.com ermit Application (including closure plan) gnature: Wance | Telephone: | |
| e-mail address: 20 OCD Approval: XF OCD Representative S Fitle: 21 Closure Report (requine instructions: Operators arr report is required to be suit | dollie.l.busse@conocophillips.com ermit Application (including closure plan) gnature: Wance | Telephone: | |
| 20 OCD Approval: CD Representative S Fitle: 21 Closure Report (requined in the sub- report is required to be sub- report is required to be sub- constructions: Operators are | ermit Application (including closure plan) gnature: | Closure Plan (only) | OCD Conditions (see attachment) Approval Date: 12/12/2012- |
| DCD Approval: AF DCD Representative S Fitle: <u>Source</u> 21 21 Closure Report (requine Instructions: Operators arr report is required to be suit | inature: phatty, Ki liance Officer | illy | Approval Date: 2/12/2002 |
| DCD Representative S Fifle: <u>GMC</u> 21 <u>Closure Report (requinant de sud</u> instructions: Operators ar report is required to be sud | inature: phatty, Ki liance Officer | illy | Approval Date: 2/12/2002 |
| Title: <u>GMC</u> 21 Closure Report (requin Instructions: Operators arr report is required to be suit | liance Officer | OCD Permit | |
| 21 Closure Report (requin Instructions: Operators arr report is required to be suit | | OCD Permit | |
| 21 Closure Report (requin Instructions: Operators arr report is required to be suit | | <u> </u> | t Number: |
| <u>Closure Report (requin</u> nstructions: Operators are eport is required to be sul | ad within 60 days of closure completion). | | |
| <u>Closure Report (requin</u> nstructions: Operators are eport is required to be sul | ad within 60 days of closure completion). | | |
| nstructions: Operators are report is required to be sul | a woon oo days or cosure competione. S | ubsection K of 19 15 17 13 NMAC | |
| • • | | | e activities and submitting the closure report. The closure |
| | | 5 | Please do not complete this section of the form until an |
| ippi o rea enomine pran mai | been obtained and the closure activities have been | | Completion Data |
| | | | Completion Date: |
| 22 | | | |
| Closure Method: | _ | _ | |
| Waste Excavation | | Alternative Closure M | Aethod Waste Removal (Closed-loop systems only) |
| If different from ap | proved plan, please explain. | | |
| .3 | ······································ | | ······ |
| | Waste Removal Closure For Closed-loop Syste | | |
| | y the facility or facilities for where the liquids, dr | illing fluids and drill cutting | s were disposed. Use attachment if more than two facilities |
| <i>were utilized.</i> Disposal Facility Name | | Disposal Facility P | ermit Number |
| Disposal Facility Name | | | |
| | stem operations and associated activities performed | Disposal Facility P | |
| _ `` | emonstrate compliane to the items below) | | be used for future service and opeantons? |
| | reas which will not be used for future service and | | |
| | hoto Documentation) | operations. | |
| Soil Backfilling an | | | |
| Re-vegetation App | cation Rates and Seeding Technique | | |
| 24 | | | |
| | chment Checklist: Instructions; Each of the fo | ollowing items must be attack | hed to the closure report. Please indicate, by a check mark in |
| the box, that the docum | | 0 | • • • |
| Proof of Closure | Notice (surface owner and division) | | |
| Proof of Deed No | tice (required for on-site closure) | | |
| Plot Plan (for on- | ite closures and temporary pits) | | |
| Confirmation Sar | pling Analytical Results (if applicable) | | |
| — | ampling Analytical Results (if applicable) | | |
| = | Name and Permit Number | | |
| | nd Cover Installation | | |
| = . | blication Rates and Seeding Technique | | |
| | (Photo Documentation) | | |
| On-site Closure I | | Longitude: | NAD 1927 1983 |
| | | Longnude. | |
| | | | |
| 25 Operator Closure_Cert | fication: | | |
| | | ire report is ture, accurate as | nd complete to the best of my knowledge and belief. I also certify th |
| | I applicable closure requirements and conditions | - | |
| | | | |
| Name (Print): | | Title: | · · · · · · · · · · · · · · · · · · · |
| Signature: | | Date: | |
| — | ······································ | Telephone: | |

Form C-144

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Oil Conservation Division

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

Closed-loop Design Plan

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

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

Closed-loop Operating and Maintenance Plan

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

- The liquids will be vacuumed out and disposed of at the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). Solids in the closed-loop tank will be vacuumed out and disposed of at Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) on a periodic basis to prevent over topping.
- 2. No hazardous waste, miscellaneous solid waste or debris will be discharged into or stored in the tank. Only fluids or cutting used or generated by rig operations will be placed or stored in the tank.
- 3. The division district office will be notified within 48 hours of the discovery of compromised integrity of the closed-loop tank. Upon the discovery of the compromised tank, repairs will be enacted immediately

Closed-loop Closure Plan

The closed-loop tank will be closed in accordance with 19.15.17.13. This will be done by transporting cuttings and all remaining sludges to Envirotech (Permit # NM-01-0011) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) immediately following rig operations. All remaining liquids will be transported and disposed of in the Basin Disposal facility (Permit # NM-01-005) or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B). The tanks will be removed from the location as part of the rig move. At time of well abandonment, the site will be reclaimed and re-vegetated to pre-existing conditions when possible.