District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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
July 21, 2008

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

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

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

12853

OIL CONS. DIV DIST. 3
APR 09 2015

Type of action:
45-33600
- [ ] Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
- [X] 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 existing 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

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 Oil & Gas Company, LP** OGRID#: **14538**
Address: **P.O. Box 4289, Farmington, NM 87499**
Facility or well name: **Huerfanito Unit 92F**
API Number: **30-045-33600** OCD Permit Number:
U/L or Qtr/Qtr: **N(SE/SW)** Section: **12** Township **26N** Range: **9W** County: **San Juan**
Center of Proposed Design: Latitude: **36.49712** °N Longitude: **-107.74381** °W NAD: [ ] ### [X] 1983
Surface Owner: [X] Federal [ ] State [ ] Private [ ] Tribal Trust or Indian Allotment

2
[ ] **Pit:** Subsection F or G of 19.15.17.11 NMAC

DENIED
Incorrect Center of Design Coordinates, no Closure photos showing proper Closure. Part 12 of Closure report states "no reclamation work will be done on this location", which does not comply with Closure requirements. Release detected due to exceedence of standard for Chloride report and C-141, should reflect this and be transferred to spill rule. No copy of surface owner notification
BY: : Jonathan Kelly
DATE: 4/23/2015 (505) 334-6178 Ext. 122

Temporary: [ ] Drilling [ ] Workover
[ ] Permanent [ ] Emergency [ ] Cavitation [ ] P&A
[ ] Lined [ ] Unlined Liner type: Thickness _____ mil
[ ] String-Reinforced
Liner Seams: [ ] Welded [ ] Factory [ ] Other _____ Volume: _____ bbl Dimensions L ____ x W ____ x D ____

3
[ ] **Closed-loop System:** Subsection H of 19.15.17.11 NMAC
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 _____

4
[X] **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: **MAX 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 [x] Visible sidewalls only [ ] Other _____
Liner Type: Thickness **45** mil [ ] HDPE [ ] PVC [ ] Other **LLDPE**

5
[ ] **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

20

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

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)*

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

9

Administrative Approvals and Exceptions:

Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.

Please check a box if one or more of the following is requested, if not leave blank:

☐ Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval. **(Fencing/BGT Liner)**

☐ 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

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 (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. *(Applies to temporary, emergency, or cavitation pits and below-grade tanks)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applied to permanent pits)* - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
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. - NM Office of the State Engineer - iWATERS database search; 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 adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain - FEMA map	☐ Yes ☐ No

11

Temporary Pits, Emergency 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.

- ☐ 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 19.15.17.9 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API _____ or Permit _____

12

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 application. Please indicate, by a check mark in the box, that the documents are attached.

- ☐ Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9
- ☐ 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 NMAC and 19.15.17.13 NMAC

☐ Previously Approved Design (attach copy of design) API _____

☐ Previously Approved Operating and Maintenance Plan API _____

13

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 documents are attached.

- ☐ 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
- ☐ Nuisance or Hazardous Odors, including H2S, Prevention Plan
- ☐ Emergency Response Plan
- ☐ Oil Field Waste Stream Characterization
- ☐ Monitoring and Inspection Plan
- ☐ Erosion Control Plan
- ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14

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 ☐ Closed-loop System ☐ Alternative

Proposed Closure Method:

- ☐ Waste Excavation and Removal
- ☐ 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)

15

Waste Excavation and Removal 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.***

- ☐ 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 F 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
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19.15.17.13.D NMAC)
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: _____ Disposal Facility Permit #: _____

Disposal Facility Name: _____ Disposal Facility Permit #: _____

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and
☐ Yes (If yes, please provide the information ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropraite requirements of Subsection G of 19.15.17.13 NMAC

17

Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC

Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. 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. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS: Data obtained from nearby wells	☐ Yes ☐ No ☐ N/A
Ground water is between 50 and 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 ☐ N/A
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ N/A
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 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 private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal fee 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; 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 adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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
Within the area overlying a subsurface mine. - Written confiramtion 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	☐ Yes ☐ No
Within a 100-year floodplain. - FEMA map	☐ Yes ☐ No

18

On-Site Closure Plan Checklist: (19.15.17.13 NMAC) ***Instructions: Each of the following items must bee 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 F of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon 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 19.15.17.11 NMAC
☐ 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 F of 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings 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
☐ 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

19

Operator Application Certification:

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

#

OCD Approval: ☐ Permit Application (including closu

DENIED

(see attachment)

OCD Representative Signature: _____)ate: _____

Title: _____

21

Closure Report (required within 60 days of closure completion): Subsection K of 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:** March 19, 2015

22

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.

#

Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:

Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and opeartions?

☐ Yes (If yes, please demonstrate complilane to the items below) ☐ No

Required for impacted areas which will not be used for future service and operations:

☐ Site Reclamation (Photo Documentation)

☐ Soil Backfilling and Cover Installation

☐ Re-vegetation Application Rates and Seeding Technique

24

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)

☐ Plot Plan (for on-site closures and temporary pits)

☒ Confirmation Sampling Analytical Results (if applicable)

☐ Waste Material Sampling Analytical Results (if applicable)

☐ Disposal Facility Name and Permit Number

☒ Soil Backfilling and Cover Installation

☒ Re-vegetation Application Rates and Seeding Technique

☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude: _____ °N Longitude: _____ °W NAD ☐ 1927 ☐ 1983

25

Operator Closure Certification:

I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): PATSY CLUGSTON Title: STAFF REGULATORY TECHNICIAN

Signature: Patsy Clugston Date: 4/6/2015

e-mail address: Patsy.L.Clugston@conocophillips.com Telephone: 505-326-9518

Burlington Resources Oil Gas Company, LP
San Juan Basin
Below Grade Tank Closure Report
(Without Reclamation)

Lease Name: Huerfanito Unit 92F
API No.: 30-045-33600

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the below-grade tank referenced above. All proper documentation regarding closure activities is being included with the C-144.

General Plan:

1. BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) 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. **The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.**

3. 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), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) 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.

   All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B). The liner was cleaned per Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC was disposed of at the San Juan County Regional Landfill located on CR 3100.

4. 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.

   The below-grade tank was disposed of in a division-approved manner.

5. 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.

   All on-site equipment associated with the below-grade tank was removed.

6. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. COPC 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 analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.

7. **A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).**

Components	Tests Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.1	250

8. 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.

   A release was/was not determined for the above referenced well.

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I 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.

   The below-grade tank area passed all requirements of Paragraph (4) of Subsection E of 19.15.17.13 NMAC and was backfilled with compacted, non-waste containing, earthen material.

10. 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.

    Closure notification attached.

11. The surface owner shall be notified of BR's closing of the below-grade tank 72 hours, but not more than one week, prior to closure as per the approved closure plan via certified mail, return receipt requested.

    The closure process notification to the landowner was sent via email. (See Attached) (Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

12. 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.

    The below-grade tank was removed due to integrity issues and replaced. No reclamation work will be done on this location.

    The below-grade tank area will be re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping, including drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

No reclamation needed. Below grade tank was replaced due to integrity issues.

15. 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 **(See Report)**
    - Re-vegetation application rates and seeding techniques **(See Report)**
    - Photo documentation of the site reclamation **(Included as an attachment)**
    - Confirmation Sampling Results **(Included as an attachment)**
    - Proof of closure notice **(Included as an attachment)**

Clugston, Patricia L

From: Clugston, Patricia L
Sent: Tuesday, March 17, 2015 9:49 AM
To: 'cory.smith@state.nm.us'
Cc: Powell, Brandon, EMNRD
Subject: Huerfanito Unit 92F - 30-045-33600 72 Hour Notification

Subject: BGT Clousure 72 Hr Notification

Anticipated Start Date: 3/20/15

The subject well has a below-grade tank that will begin the closure process between 72 hours and one week from this notification. Please contact me at any time if you have any questions or concerns.

Well Name: Huerfanito U nit 92F

API#: 30-045-33600

Location: UL N, Sec. 12, T26N, R9W

Footages: 660' FSL & 1615' FWL

Operator: BR **Surface Owner: BLM**

Patsy Clugston
Staff Regulatory Technician
Patsy.L.Clugston@conocophillips.com
505-326-9518

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources Oil & Gas Company**	Contact **Lindsay Dumas**
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 599-4089
Facility Name: **Huerfanito 92F**	Facility Type: Gas

Surface Owner: BLM	Mineral Owner **NMSF - 078388**	API No.**3004533600**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	**12**	**26N**	**9W**	**660'**	**FSL**	**1615'**	**FWL**	**San Juan**

Latitude 36.496958 Longitude -107.744272

NATURE OF RELEASE

Type of Release **Produced Water**	Volume of Release Unknown	Volume Recovered 0
Source of Release **Pit Tank**	Date and Hour of Occurrence **Unknown**	Date and Hour of Discovery
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Chloride impacted soil was found during the BGT closure for the subject well. Analytical results were below the regulatory standards for soil remediation– no further action required. The soil sampling report is attached for review.

Describe Area Affected and Cleanup Action Taken.*
No further remediation necessary

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Lindsay Dumas	OIL CONSERVATION DIVISION	
Printed Name: **Lindsay Dumas**	Approved by Environmental Specialist:	
Title: **Field Environmental Specialist**	Approval Date:	Expiration Date:
E-mail Address: **Lindsay.Dumas**@conocophillips.com	Conditions of Approval:	Attached ☐
Date: 4/6/2015 Phone: (505) 599-4089		

* Attach Additional Sheets If Necessary

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Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 16978

Samples Received: 3/20/2015 11:15:00AM

Job Number: 96052-1706

Work Order: P503063

Project Name/Location: Huerfanito 92 F

Entire Report Reviewed By: _____ Date: 3/31/15

Tim Cain, Laboratory Manager

5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-0615 Fx (505) 632-1865
Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 Ph (970) 259-0615 Fr (800) 362-1879
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laboratory@envirotech-inc.com

envirotech
Analytical Laboratory

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT	P503063-01A	Soil	03/19/15	03/20/15	Glass Jar, 4 oz.

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Analytical Laboratory

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

BGT

P503063-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		*78.6 %*	*50-150*		*1513002*	*03/23/15*	*03/30/15*	*EPA 8021B*	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.98	mg/kg	1	1513002	03/23/15	03/30/15	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	24.9	mg/kg	1	1513001	03/23/15	03/24/15	EPA 8015D	
Surrogate: o-Terphenyl		*113 %*	*50-200*		*1513001*	*03/23/15*	*03/24/15*	*EPA 8015D*	
Surrogate: 4-Bromochlorobenzene-FID		*77.4 %*	*50-150*		*1513002*	*03/23/15*	*03/30/15*	*EPA 8015D*	
Total Petroleum Hydrocarbons by 418.1									
Total Petroleum Hydrocarbons	ND	35.0	mg/kg	1	1513018	03/25/15	03/25/15	EPA 418.1	
Cation/Anion Analysis									
Chloride	**309**	9.75	mg/kg	1	1513004	03/23/15	03/23/15	EPA 300.0	

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1513002 - Purge and Trap EPA 5030A										
Blank (1513002-BLK1)				Prepared: 23-Mar-15 Analyzed: 25-Mar-15						
Benzene	ND	0.002	mg/kg							
Toluene	ND	0.002	"							
Ethylbenzene	ND	0.002	"							
p,m-Xylene	ND	0.004	"							
o-Xylene	ND	0.002	"							
Total Xylenes	ND	0.002	"							
Total BTEX	ND	0.002	"							
Surrogate: 4-Bromochlorobenzene-PID	*0.323*		"	*0.398*		*81.0*	*50-150*			
LCS (1513002-BS1)				Prepared & Analyzed: 23-Mar-15						
Benzene	20.3	0.10	mg/kg	20.0		102	75-125			
Toluene	19.9	0.10	"	20.0		99.8	70-125			
Ethylbenzene	19.4	0.10	"	20.0		96.9	75-125			
p,m-Xylene	37.9	0.20	"	40.0		94.8	80-125			
o-Xylene	18.3	0.10	"	20.0		91.8	75-125			
Surrogate: 4-Bromochlorobenzene-PID	*0.373*		"	*0.400*		*93.3*	*50-150*			
Matrix Spike (1513002-MS1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Benzene	20.3	0.10	mg/kg	20.0	ND	102	75-125			
Toluene	20.3	0.10	"	20.0	ND	101	70-125			
Ethylbenzene	20.0	0.10	"	20.0	ND	99.9	75-125			
p,m-Xylene	40.1	0.20	"	40.0	ND	100	80-125			
o-Xylene	19.6	0.10	"	20.0	ND	97.9	75-125			
Surrogate: 4-Bromochlorobenzene-PID	*0.392*		"	*0.400*		*97.9*	*50-150*			
Matrix Spike Dup (1513002-MSD1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Benzene	21.5	0.10	mg/kg	19.9	ND	108	75-125	5.75	15	
Toluene	21.5	0.10	"	19.9	ND	108	70-125	5.94	15	
Ethylbenzene	21.0	0.10	"	19.9	ND	105	75-125	4.98	15	
p,m-Xylene	41.7	0.20	"	39.9	ND	105	80-125	3.93	15	
o-Xylene	19.9	0.10	"	19.9	ND	99.9	75-125	1.83	15	
Surrogate: 4-Bromochlorobenzene-PID	*0.353*		"	*0.399*		*88.5*	*50-150*			

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1513001 - DRO Extraction EPA 3550M										
Blank (1513001-BLK1)				Prepared: 23-Mar-15 Analyzed: 24-Mar-15						
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	*43.2*		"	*39.9*		*108*	*50-200*			
LCS (1513001-BS1)				Prepared & Analyzed: 23-Mar-15						
Diesel Range Organics (C10-C28)	524	24.9	mg/kg	499		105	38-132			
Surrogate: o-Terphenyl	*44.9*		"	*39.9*		*113*	*50-200*			
Matrix Spike (1513001-MS1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Diesel Range Organics (C10-C28)	572	25.0	mg/kg	499	ND	115	38-132			
Surrogate: o-Terphenyl	*47.5*		"	*40.0*		*119*	*50-200*			
Matrix Spike Dup (1513001-MSD1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Diesel Range Organics (C10-C28)	554	25.0	mg/kg	499	ND	111	38-132	3.19	20	
Surrogate: o-Terphenyl	*46.0*		"	*39.9*		*115*	*50-200*			

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1513002 - Purge and Trap EPA 5030A										
Blank (1513002-BLK1)				Prepared: 23-Mar-15 Analyzed: 25-Mar-15						
Gasoline Range Organics (C6-C10)	ND	0.20	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	*0.307*		"	*0.398*		*76.9*	*50-150*			
LCS (1513002-BS1)				Prepared & Analyzed: 23-Mar-15						
Gasoline Range Organics (C6-C10)	250	10.0	mg/kg	266		93.8	80-120			
Surrogate: 4-Bromochlorobenzene-FID	*0.361*		"	*0.400*		*90.2*	*50-150*			
Matrix Spike (1513002-MS1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Gasoline Range Organics (C6-C10)	262	9.99	mg/kg	266	ND	98.2	75-125			
Surrogate: 4-Bromochlorobenzene-FID	*0.375*		"	*0.400*		*93.7*	*50-150*			
Matrix Spike Dup (1513002-MSD1)	**Source: P503052-01**			Prepared & Analyzed: 23-Mar-15						
Gasoline Range Organics (C6-C10)	271	9.97	mg/kg	266	ND	102	75-125	3.67	15	
Surrogate: 4-Bromochlorobenzene-FID	*0.343*		"	*0.399*		*86.1*	*50-150*			

ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1513018 - 418 Freon Extraction										
Blank (1513018-BLK1)				Prepared & Analyzed: 25-Mar-15						
Total Petroleum Hydrocarbons	ND	35.0	mg/kg							
Duplicate (1513018-DUP1)		**Source: P503061-01**		Prepared & Analyzed: 25-Mar-15						
Total Petroleum Hydrocarbons	87.7	34.9	mg/kg		95.9			8.94	30	
Matrix Spike (1513018-MS1)		**Source: P503061-01**		Prepared & Analyzed: 25-Mar-15						
Total Petroleum Hydrocarbons	1890	34.9	mg/kg	2030	95.9	88.5	80-120			

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ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Cation/Anion Analysis - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1513004 - Anion Extraction EPA 300.0										
Blank (1513004-BLK1)				Prepared & Analyzed: 23-Mar-15						
Chloride	ND	9.64	mg/kg							
LCS (1513004-BS1)				Prepared & Analyzed: 23-Mar-15						
Chloride	469	9.53	mg/kg	477		98.4	90-110			
Matrix Spike (1513004-MS1)	**Source: P503066-01**			Prepared & Analyzed: 23-Mar-15						
Chloride	1500	9.71	mg/kg	485	1270	46.3	80-120			SPK1
Matrix Spike Dup (1513004-MSD1)	**Source: P503066-01**			Prepared & Analyzed: 23-Mar-15						
Chloride	1730	9.66	mg/kg	483	1270	95.7	80-120	14.7	20	

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ConocoPhillips	Project Name:	Huerfanito 92 F	
PO Box 2200	Project Number:	96052-1706	**Reported:**
Bartlesville OK, 74005	Project Manager:	Lindsay Dumas	31-Mar-15 10:50

Notes and Definitions

SPK1	The spike recovery is outside of quality control limits.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY RECORD

16978

Client:	Project Name / Location:
ConocoPhillips	Huerfanito 92F
Email results to:	Sampler Name:
Lindsay.Dumas@cop.com	Lindsay Dumas
Client Phone No.:	Client No.:
505-599-4089	AM02375694 / BENALE 96052-1706

Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative HNO_3	Preservative HCl	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
BGT	3/20/15	8:58am	1503063-01	1-40z			X	X							X	X				Y	Y

ANALYSIS / PARAMETERS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Lindsay Dumas	3/20/15	11:15am	M	3/20/15	1115
Relinquished by: (Signature)			Received by: (Signature)		

Sample Matrix
Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

19.1

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