<u>District I</u> 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

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.

Form C-144

Revised June 6, 2013

*	
Pit, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application	
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 or proposed alternative method	
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternativ	e request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water nvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rule.	
Operator: Burlington Resources Oil & Gas Company, LP OGRID #: 14538	BGT CLOSED
Address: PO BOX 4289, Farmington, NM 87499	PRIOR TO
Facility or well name: MURPHY 1	CLOSURE PLAN
API Number:30-045-09322 OCD Permit Number:	APPROVAL
U/L or Qtr/Qtr J (NWSE) Section 24 Township 30N Range 11W County: San Ju	ion
Center of Proposed Design: Latitude 36.794598 N Longitude -107.939326 N NAD: 1927 1983	idii
Surface Owner: Federal State Private Tribal Trust or Indian Allotment	
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 Fl	uid 🗌 yes 🗌 no
☐ Lined ☐ Unlined Liner type: Thickness mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other	
☐ String-Reinforced	
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x	D
3. ✓ 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: Thicknessmil	
4.	
Alternative Method:	and the same of
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for c	onsideration of approval.
5.	
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)	y y syn - o o o o o o o
Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence	e, school, hospital,

Four foot height, four strands of barbed wire evenly spaced between one and four feet

institution or church)

Alternate. Please specify

6.	
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)	
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 acceptance 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 ☐ NA
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. (Does not apply to below grade tanks) - 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
 Within an unstable area. (Does not apply to below grade tanks) 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. (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.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
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 docattached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 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:	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 docattached. 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 Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	.15.17.9 NMAC

12.	***************************************
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
### Authorized Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 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 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 F	luid Management Pit
☐ 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 Burial ☐ Alternative Closure Method	
14.	-41144
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be 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 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 □ 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	
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 sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. I 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 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
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	☐ Yes ☐ No ☐ NA
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). - 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 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	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	☐ Yes ☐ No

adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained		
	d from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining and Min	eral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mine Society; Topographic map	ral Resources; USGS; NM Geological	
Within a 100-year floodplain. - FEMA map		 Yes □ No Yes □ No
		A STATE OF THE STA
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Subsection Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 N Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17. Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttin Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.1 Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.1 Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.1	of 19.15.17.10 NMAC on E of 19.15.17.13 NMAC requirements of Subsection K of 19.15.17.1 d upon the appropriate requirements of 19.1 MAC of 19.15.17.13 NMAC 13 NMAC gs or in case on-site closure standards cannot 5.17.13 NMAC 5.17.13 NMAC 5.17.13 NMAC	11 NMAC 15.17.11 NMAC
Operator Application Certification:		
I hereby certify that the information submitted with this application is true, accurate and con	uplete to the best of my knowledge and belie	ef.
Name (Print): Title	2:	
Signature:	Date:	
Digitature.	Jaic,	
	phone:	
e-mail address: Tele	phone:	
e-mail address: Tele 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only)	DOCD Conditions (see attachment)	
e-mail address:	phone: OCD Conditions (see attachment) Approval Date:7/12/20	
e-mail address:	DOCD Conditions (see attachment)	
e-mail address:	phone:	O16 the closure report.
e-mail address:	Dephone:	O16 the closure report.
e-mail address:	ocd Conditions (see attachment) Approval Date: 7/12/20 mit Number: string any closure activities and submitting for of the closure activities. Please do not titles have been completed. ure Completion Date: 3/16/2016	the closure report.

ı	LL.
ı	Operator Closure Certification:
I	I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and
I	belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
I	
١	Name (Print) Crystal Walker Title: Regulatory Coordinator
	Signature: Date: 4/1/16
	Signature.
	e-mail address: <u>crystal.walker@cop.com</u> Telephone: (505) 326-9837

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

Lease Name: Murphy 1 API No.: 30-045-09322

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 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.

The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.

2. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), 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.

3. BR will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.

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

4. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose.

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

5. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. BR shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and 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.

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). Form C-141 is 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 300.0	250

6. If BR or the division determines that a release has occurred, then BR shall comply with 19.15.3.116 NMAC and 19.15.1.19 NMAC, as appropriate.

A release was not determined for the above referenced well.

7. 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.

- 8. 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.

Notification is attached.

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.)

10. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The below-grade tank area was 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.

11. BR shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

12. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material, with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The below-grade tank area was backfilled and more than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation (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)

Walker, Crystal

From:

Walker, Crystal

Sent:

Tuesday, March 08, 2016 9:14 AM

To:

Cory Smith; Jonathan Kelly; Katherina Diemer (kdiemer@blm.gov); Flaniken, Jon

(mflanike@blm.gov)

Cc:

Busse, Dollie L; Farrell, Larissa L; Roberts, Kelly G; Walker, Crystal; SJBU E-Team; Coats,

Nathan W; Notor, Lori

Subject:

BGT Re-Sample Notification for sampling 3/14 & 3/15

Good morning,

The following locations contained below-grade tanks that require re-sampling, which is scheduled for Monday, March 14th and Tuesday, March 15th will begin at 9:00am at the first location and continue to the next.

Sampling Order	Name	Sampling Date
1	PHILLIPS COM 1E	3/14/2016
2	PINON MESA A 100*	3/14/2016
3	MCCORD 104S	3/14/2016
4	HUDSON 2	3/14/2016
5	CORNELL 1R	3/14/2016
6	MURPHY 1	3/15/2016
7	GRENIER A 2R	3/15/2016
8	HARE 15M	3/15/2016
9	HARE 4	3/15/2016
10	DELO 9	3/15/2016
*indicates a long v	valk to location due to reclama	tion

Please feel free to contact me at any time if you have any questions or concerns regarding this information.

Thank you,

Crystal Walker

Regulatory Coordinator ConocoPhillips Lower 48

T: 505-326-9837 | F: 505-599-4086 | M: 505-215-4361 | crystal.walker@cop.com

Visit the new Lower 48 website:

www.conocophillipsuslower48.com

<u>District I</u> 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 1220 S. St. Francis Dr., Santa Fe, NM 87505

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

Release Notification and Corrective Action

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

	OPERATOR	☐ Initial Report ☐ Final Report				
Name of Company Burlington Resources Oil & Gas Compnay	Contact Crystal Walker					
Address 3401 East 30th St, Farmington, NM	Telephone No.(505) 326-9837					
Facility Name: Murphy 1	Facility Type: Gas Well					
Surface Owner FEDERAL Mineral Owner	r FEDERAL	API No. 30-045-09322				
LOCATIO	ON OF RELEASE					
		t/West Line County				
J 24 30N 11W 1650	South 1650	East San Juan				
Latitude <u>36.794598</u>	Longitude107.939326					
NATUR	E OF RELEASE					
Type of Release	Volume of Release	Volume Recovered				
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery				
Was Immediate Notice Given?	If YES, To Whom?					
☐ Yes ☐ No ☒ Not Require						
By Whom?	Date and Hour					
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the W	atercourse.				
If a Watercourse was Impacted, Describe Fully.*						
N/A						
Describe Cause of Problem and Remedial Action Taken.*						
No release was encountered during the BGT Closure.						
Describe Area Affected and Cleanup Action Taken.* N/A						
IV/A						
I hereby certify that the information given above is true and complete to	the best of my knowledge and unders	tand that pursuant to NMOCD rules and				
regulations all operators are required to report and/or file certain release	notifications and perform corrective a	ctions 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 remedi or the environment. In addition, NMOCD acceptance of a C-141 report						
federal, state, or local laws and/or regulations.	ados not reneve the operator of respon	isionity for compliance with any other				
C:	OIL CONSER	VATION DIVISION				
Signature: Al Walker						
	Approved by Environmental Special	ist:				
Printed Name: Crystal Walker						
Title: Regulatory Coordinator	Approval Date:	Expiration Date:				
E mail Addraga, arrietal walkar@car care	Conditions of Anguerrals					
E-mail Address: crystal.walker@cop.com	Conditions of Approval:	Attached				
Date: 4/1// Phone: (505) 326-9837						



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

March 23, 2016

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401

TEL: (505) 564-2281

FAX

RE: COPC MURPHY 1

OrderNo.: 1603796

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/16/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the OC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

Indest

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 1603796

Date Reported: 3/23/2016

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: COPC MURPHY 1

Lab ID: 1603796-001

Client Sample ID: S-1

Collection Date: 3/15/2016 9:32:00 AM

Received Date: 3/16/2016 7:45:00 AM

Analyses	Result	PQL Qua	al Units	DF	Date Analyzed	Batch
EPA METHOD 418.1: TPH					Analyst	: TOM
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	3/18/2016	24299
EPA METHOD 300.0: ANIONS					Analyst	: LGT
Chloride	ND	30	mg/Kg	20	3/22/2016 1:10:17 AM	24365
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/17/2016 8:55:12 AM	24284
Toluene	ND	0.049	mg/Kg	1	3/17/2016 8:55:12 AM	24284
Ethylbenzene	ND	0.049	mg/Kg	1	3/17/2016 8:55:12 AM	24284
Xylenes, Total	ND	0.097	mg/Kg	1	3/17/2016 8:55:12 AM	24284
Surr: 4-Bromofluorobenzene	110	80-120	%Rec	1	3/17/2016 8:55:12 AM	24284

Matrix: SOIL

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 4
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1603796

23-Mar-16

Client:

Animas Environmental

Project:

COPC MURPHY 1

Sample ID MB-24365

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 24365

RunNo: 32963

HighLimit

Prep Date:

Sample ID LCS-24365

LCSS

3/21/2016

Analysis Date: 3/21/2016

1.5

1.5

SeqNo: 1011048

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

PQL Result ND

SampType: LCS

TestCode: EPA Method 300.0: Anions

RunNo: 32963

LowLimit

Units: mg/Kg

110

Prep Date:

3/21/2016

Batch ID: 24365

SeqNo: 1011049

HighLimit

Analyte

Client ID:

Analysis Date: 3/21/2016 PQL Result

SPK value SPK Ref Val %REC

94.5

90

%RPD

Chloride

14

15.00

SPK value SPK Ref Val %REC LowLimit

%RPD

RPDLimit

Qual

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix D

Holding times for preparation or analysis exceeded Η

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits Page 2 of 4

P Sample pH Not In Range

RL Reporting Detection Limit

Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1603796 23-Mar-16

Client:

Animas Environmental

Project: COPC N	MURPHY 1						
Sample ID MB-24299	SampType: MBLK	TestCode: EPA Method	TestCode: EPA Method 418.1: TPH				
Client ID: PBS	Batch ID: 24299	RunNo: 32887					
Prep Date: 3/17/2016	Analysis Date: 3/18/2016	SeqNo: 1008187	Units: mg/Kg				
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Petroleum Hydrocarbons, TR	ND 20						
Sample ID LCS-24299	SampType: LCS	TestCode: EPA Method	I 418.1: TPH				
Client ID: LCSS	Batch ID: 24299	RunNo: 32887					
Prep Date: 3/17/2016	Analysis Date: 3/18/2016	SeqNo: 1008188	Units: mg/Kg				
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Petroleum Hydrocarbons, TR	97 20 10	0.0 0 96.8 83.4	127				
Sample ID LCSD-24299	SampType: LCSD	TestCode: EPA Method	I 418.1: TPH				
Client ID: LCSS02	Batch ID: 24299	RunNo: 32887					
Prep Date: 3/17/2016	Analysis Date: 3/18/2016	SeqNo: 1008189	Units: mg/Kg				
Analyte	Result PQL SPK va	ue SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual			
Petroleum Hydrocarbons, TR	100 20 10	0.0 0 101 83.4	127 4.29	20			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 3 of 4

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1603796

23-Mar-16

Client:

Animas Environmental

COPC MURPHY 1

Project: COPC N	//URPHY	[
Sample ID MB-24284	ID MB-24284 SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 24284			RunNo: 32868						
Prep Date: 3/16/2016	Analysis I	Date: 3/	17/2016	ξ	SeqNo: 1	007424	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	80	120			
Sample ID LCS-24284	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 24	284	F	RunNo: 3	2868				
Prep Date: 3/16/2016	Analysis [Date: 3/	17/2016	\$	SeqNo: 1	007426	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		120	80	120			
Sample ID 1603796-001AMS	Samp ⁻	Гуре: М	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: S-1	Batc	h ID: 24	284	F	RunNo: 3	2868				
Prep Date: 3/16/2016	Analysis [Date: 3/	17/2016	5	SeqNo: 1	007429	Units: mg/h	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9488	0	117	71.5	122			
Toluene	1.1	0.047	0.9488	0	111	71.2	123			
Ethylbenzene	1.1	0.047	0.9488	0	112	75.2	130			
Xylenes, Total	3.2	0.095	2.846	0	112	72.4	131			
Surr: 4-Bromofluorobenzene	1.1		0.9488		118	80	120			
Sample ID 1603796-001AMS	SD Samp	Гуре: М	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: S-1	Batc	h ID: 24	284	F	RunNo: 3	2868				
Prep Date: 3/16/2016	Analysis [Date: 3/	17/2016	8	SeqNo: 1	007430	Units: mg/k	(g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9579	0	119	71.5	122	2.44	20	
Toluene	1.1	0.048	0.9579	0	113	71.2	123	2.77	20	
Ethylbenzene	1.1	0.048	0.9579	0	113	75.2	130	2.27	20	
G 14 (EEE 70020	2 22	22 (2022)								

Qualifiers:

Xylenes, Total

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

H Holding times for preparation or analysis exceeded

3.2

1.2

0.096

2.874

0.9579

- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

72.4

80

E Value above quantitation range

113

122

J Analyte detected below quantitation limits

Page 4 of 4

20

S

1.74

131

120

P Sample pH Not In Range

0

- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Animas Environmental	Work Order Number: 1603796		RcptNo: 1
Received by/date:	restuli.	1/2 2/2020 to	
Logged By: Lindsay Mangin 3	/16/2016 7:45:00 AM	Stronby Hopes	
.53	/16/2016 10:40:40 AM	Ambella	
•	13/11/10	0 5.00	
Chain of Custody	<u> </u>	4 (a) <u>10 (a) (a) (a) (a) (a) (a) (a) (a) (a) (a)</u>	
1. Custody seals intact on sample bottles?	Yes 🗌	No 🗌	Not Present ✓
2. Is Chain of Custody complete?	Yes 🗹	No 🗆	Not Present
3. How was the sample delivered?	Courier		
<u>Log In</u>			
4. Was an attempt made to cool the samples?	Yes 🗸	No 🗌	NA 🗆
5. Were all samples received at a temperature of	>0° C to 6.0°C Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗆	
7. Sufficient sample volume for Indicated test(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG) properly [preserved? Yes 🗹	No 🗆	
9. Was preservative added to bottles?	Yes 🗆	No 🗹	NA 🗆
10. VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials 🗹
11, Were any sample containers received broken?	Yes	No 🗹 -	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗸	No 🗆 :	for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Cu	ıstody? Yes ✓	No □	Adjusted?
14. Is it clear what analyses were requested?	Yes 🗹	No 🗆	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:
Special Handling (if applicable)			
16. Was client notified of all discrepancies with this	order? Yes	No 🗆	NA 🗹
Person Notified:	Date		
By Whom:	Via: eMail	Phone Fax	☐ In Person
Regarding:			
Client Instructions:			
17. Additional remarks:			755 250 AS
18. Cooler Information Cooler No Temp °C Condition Seal 1 1.3 Good Yes	Intact Seal No Seal Date	Signed By	

Air Bubbles (Y or N) ANALYSIS LABORATORY HALL ENVIRONMENTAL 4901 Hawkins NE - Albuquerque, NM 87109 Fax 505-345-4107 www.hallenvironmental.com Analysis Request Remarks: Bill to Conoco Phillips Ordered by: Bobby Spearman Tel. 505-345-3975 USERID: MIKSPENC Supervisor: Mars WO # 21340555 Chlorides - 300.0 × PH - EPA 418.1 × Area: 2 B1508 - X3T8 × 1/21 山田 Time HEAL No. 33 16 16 COPC MURPHY 1 8 0 Sample Temperature: 2,3-1 □ Rush Preservative E. Skyles 07,06 Wester Warte COO 可 Yes I um-Around 11me: eskyles@animasenvironmental.comProject Manager. Project Name: Type and # Animas Environmental Services, LLC X Standard Container Received by: 1-4 oz. Received by: Project # Sampler. On Ice: □ Level 4 (Full Validation) Sample Request ID -hustral Doels Chain-of-Custody Record Farmington, NM 87401 5-1 604 W Pinon St Relinquished by: Relinquished by: □ Other Matrix SOIL Phone #: 505-564-2281 1847 Тіте 9:32 Mailing Address: me: QA/QC Package: Email or Fax#: □ EDD (Type) Accreditation: X Standard D NELAP 3/15/16 Date Client: Date:

Walker, Crystal

From:

Walker, Crystal

Sent:

Tuesday, March 08, 2016 9:14 AM

To:

Cory Smith; Jonathan Kelly; Katherina Diemer (kdiemer@blm.gov); Flaniken, Jon

(mflanike@blm.gov)

Cc:

Busse, Dollie L; Farrell, Larissa L; Roberts, Kelly G; Walker, Crystal; SJBU E-Team; Coats,

Nathan W; Notor, Lori

Subject:

BGT Re-Sample Notification for sampling 3/14 & 3/15

Good morning,

The following locations contained below-grade tanks that require re-sampling, which is scheduled for Monday, March 14th and Tuesday, March 15th will begin at 9:00am at the first location and continue to the next.

Sampling Order	Name	Sampling Date
1	PHILLIPS COM 1E	3/14/2016
2	PINON MESA A 100*	3/14/2016
3	MCCORD 104S	3/14/2016
4	HUDSON 2	3/14/2016
5	CORNELL 1R	3/14/2016
6	MURPHY 1	3/15/2016
7	GRENIER A 2R	3/15/2016
8	HARE 15M	3/15/2016
9	HARE 4	3/15/2016
10	DELO 9	3/15/2016
*indicates a long w	alk to location due to reclamat	ion

Please feel free to contact me at any time if you have any questions or concerns regarding this information.

Thank you,

Crystal Walker

Regulatory Coordinator ConocoPhillips Lower 48

T: 505-326-9837 | F: 505-599-4086 | M: 505-215-4361 | crystal.walker@cop.com

Visit the new Lower 48 website: www.conocophillipsuslower 48.com



