<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 1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-144 Revised June 6, 2013

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

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

Santa Pe, NWI 87505 to the appropriate NWOCD District Office.
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-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
ease 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 vironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
I.  Occupation Burgliantes Becomes Cit & Con Comment LD / CORP. 14529
Operator: Burlington Resources Oil & Gas Company, LP / OGRID #: _14538
Address: PO BOX 4289, Farmington, NM 87499
Facility or well name: Walker SRC 1
API Number: 30-045-08823 OCD Permit Number:
U/L or Qtr/Qtr G Section03 Township 29 N_ Range 12 W County: San Juan
Center of Proposed Design: Latitude36.785791_oN Longitude108.080489_oW NAD: □1927 ☑ 1983
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
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
Secondary containment with leak detection   Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off   Visible sidewalls and liner   Visible sidewalls only   Other   Liner type: Thickness   mil   HDPE   PVC   Other   Unspecified
4.  Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)

Alternate. Please specify

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

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 accematerial are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	eptable 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
<ul> <li>Within an unstable area. (Does not apply to below grade tanks)</li> <li>Engineering measures incorporated into the design; NM Bureau of Geology &amp; Mineral Resources; USGS; NM Geological Society; Topographic map</li> </ul>	Yes No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	☐ Yes ☐ No
Below Grade Tanks	1.0
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
<ul> <li>Visual inspection (certification) of the proposed site; Aerial photo; Satellite image</li> </ul>	
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 N  Instructions: 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   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   Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC   Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC   Previously Approved Design (attach copy of design) API Number: or Permit Number:	NMAC 15.17.9 NMAC
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 doc attached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  A List of wells with approved application for permit to drill associated with the pit.  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC  Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Previously Approved Design (attach copy of design) API Number:	.15.17.9 NMAC
- Territoria serigi (matri esp) et design, su stantori	

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the attached.  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 H <sub>2</sub> S, 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	documents are			
13.				
Proposed Closure: 19.15.17.13 NMAC  Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F 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	luid Management Pit			
14.				
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. In 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			
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells				
Ground water is more than 100 feet below the bottom of the buried waste.  - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells				
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	☐ Yes ☐ No			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance				

<ul> <li>adopted pursuant to NMSA 1978, Section 3-27-3, as amended.</li> <li>Written confirmation or verification from the municipality; Written approval obtained from the municipality</li> </ul>	☐ 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 Within a 100-year floodplain.	Yes No
- FEMA map	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan by a check mark in the box, that the documents are attached.  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC  Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17.  Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.  Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC  Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC  Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cann Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	11 NMAC 15.17.11 NMAC
17. Operator Application Certification:	564
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and believes	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature:  Approval Date: 413  OCD Permit Number:	12016
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC  Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not section of the form until an approved closure plan has been obtained and the closure activities have been completed.	
Closure Completion Date:09/16/2009	
Closure Completion Date:09/16/2009	oop systems only)

22.	
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report is true, accurate a	nd complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable closure requirements and conditions sp	
Name (Print): Crystal Walker Title: Regulatory Coordinator	
Signature: Stal Weller Date: 4	/11/16
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: Walker SRC 1 API No.: 30-045-08823

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.

 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

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 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 was not found.

9. 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 not found.

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)

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

Submit 2 Condition District Of With

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Form C-141 Revised October 10, 2003

### **Release Notification and Corrective Action**

					PERATOR		☐ Initial R	eport
Name of Council owned su		Burlingt of Conoco		urces, a wholly Company	Contact	Gwen	R. Frost	
Address 3401 E. 30th St., Farmington, NM 87402				Telephone N	o. <b>505-32</b>	6-9549		
Facility Na	me '	Walker SR	C #1		Facility Type	Gas W	ell	API # 30-045-08823
Surface Ov	ner Pri	vate		Mineral Owne	r Fee	4	Lease	No. Fee
				LOCATIO	ON OF REL	EASE		
Unit Letter <b>G</b>	Section 3	Township T29N	Range R12W	Feet from the No.	orth/South Line North	Feet from the 1320'	East/West Line	County San Juan
		1	_atitude_	NATUR	E OF RELE		40 ° W	
n	D			Below Gr	ade Tank C			
		luced Water		-\-\-		lease – Unknov		Volume Recovered - 0 BBL's
Source of Re	elease: Bel	ow Grade	Tank (BG	11)	Unknown	of Occurrence		Date and Hour of Discovery
Was Immed	iate Notice (	liven?			If YES, To W	nom?		-10-03
was minicu	iate Notice C		es 🗌 No			don Powell v	ia phone cal	
By Whom?		<b>Gwen Fro</b>	st		Date and Hour	-10/12/09 -	4:00 p.m.	
Was a Water	course Read	hed?			If YES, Volume Impacting the Watercourse.			
			Yes 🛛	No				
f a Waterco	urse was Im	pacted, Descr	ibe Fully.*					
groundwa excavated soil samp Describe Arc chlorides hereby cert regulations a public health should their or the environ	ater was of in BGT at in B	ure limit at documente area & bott indicate t and Cleanup A pleted by Information giare required to ronment. The ave failed to a	d by NM tom of Bo hat there Action Take BEST En iven above acceptance adequately in OCD acceptulations.	n. Upgradient ba State Engineer's GT was re-sample is no longer any on Soil was excal vironmental. See is true and complete to dor file certain release of a C-141 report by investigate and remed	ckground chi office with a ed with analy risk to ground vated & haul e soil analytic to the best of my le e notifications and the NMOCD ma iate contamination	lorides avera an average 20 tical results on dwater. ed to IEI Inc. cals attached mowledge and und d perform correct riked as "Final Re in that pose a thre the operator of r	ged 230 ppm 03 feet to ground of 30 ppm challend and farm. Conderstand that putive actions for resport" does not reseat to ground water	chlorides were above the for the site. Depth to undwater. Soil was lorides. Confirmation onfirmation sampling for suant to NMOCD rules and leases which may endanger lieve the operator of liability er, surface water, human health compliance with any other
Printed Nam		wen R. Fro			Approved by I	District Superviso	or:	
Title:	Env	ironmenta	l Engine	er	Approval Date	:	Expiration	Date:
E-mail Addr	ess: gwend	dolynne.fro	ost@con	ocophillips.com	Conditions of	Approval:		Attached

<sup>\*</sup> Attach Additional Sheets If Necessary



### **EPA METHOD 8015 Modified** Nonhalogenated Volatile Organics **Total Petroleum Hydrocarbons**

Client:	Burlington	Project #:	92115-0001
Sample ID:	5pt Comp Btm @ 5'	Date Reported:	09-08-09
Laboratory Number:	51532	Date Sampled:	09-03-09
Chain of Custody No:	7890	Date Received:	09-03-09
Sample Matrix:	Soil	Date Extracted:	09-03-09
Preservative:	Cool	Date Analyzed:	09-04-09
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Walker SRC #1 Comments:

Analyst

Mustere m Waders
Review



### EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

### **Quality Assurance Report**

VQC	Project #:	N/A
-04-09 QA/QC	Date Reported:	09-08-09
508	Date Sampled:	N/A
ethylene Chloride	Date Received:	N/A
A	Date Analyzed:	09-04-09
A	Analysis Requested:	TPH
	-04-09 QA/QC 508 ethylene Chloride A	-04-09 QA/QC Date Reported: 508 Date Sampled: ethylene Chloride Date Received: A Date Analyzed:

	I-Cal Date	1-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0821E+003	1.0825E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.4473E+002	9.4511E+002	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
<b>Total Petroleum Hydrocarbons</b>	ND	0.2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/kg)	Sample	Spike Added	Spike Result	% Recovery	Accept, Range
Gasoline Range C5 - C10	ND	250	254	102%	75 - 125%
Diesel Range C10 - C28	ND	250	230	92.0%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 51508 - 51510, 51512 - 50513, 51522, 51532, and 51535.

Analyst

Christian Walters Review



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Burlington	Project #:	92115-0001
Sample ID:	5pt Comp Btm @ 5'	Date Reported:	09-08-09
Laboratory Number:	51532	Date Sampled:	09-03-09
Chain of Custody:	7890	Date Received:	09-03-09
Sample Matrix:	Soil	Date Analyzed:	09-04-09
Preservative:	Cool	Date Extracted:	09-03-09
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	ND	0.9	
Toluene	ND	1.0	
Ethylbenzene	ND	1.0	
p,m-Xylene	ND	1.2	
o-Xylene	ND	0.9	
Total BTEX	ND		

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

References:

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Walker SRC #1

Analyst

Christian Wadle



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	09-04-BT QA/QC	Date Reported:	09-08-09
Laboratory Number:	51508	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	09-04-09
Condition:	N/A	Analysis:	BTEX

Calibration and	I-Cal RF:	C-Cal RF:	%Diff,	Blank	Detect.
Detection Limits (ug/L)		Accept Rang	je 0 + 15%	Conc	Limit
Benzene	2.4787E+006	2.4837E+006	0.2%	ND	0.1
Toluene	2.3146E+006	2.3193E+006	0.2%	ND	0.1
Ethylbenzene	2.0442E+006	2.0483E+006	0.2%	ND	0.1
p,m-Xylene	5.3015E+006	5.3121E+006	0.2%	ND	0.1
o-Xylene	1.9658E+006	1.9698E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	iplicate	%Dff,	Accept Range	Detect, Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	ND	ND	0.0%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample Amo	ount Spiked Spil	ed Sample	% Recovery	Accept Range
Benzene	ND	50.0	49.5	99.0%	39 - 150
Toluene	ND	50.0	49.1	98.2%	46 - 148
Ethylbenzene	ND	50.0	48.5	97.0%	32 - 160
p,m-Xylene	ND	100	102	102%	46 - 148
o-Xylene	ND	50.0	43.0	86.0%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

December 1996.

Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 51508 - 51514, 51522, 51532, and 51535.

Re

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

Analyst



### **EPA METHOD 418.1** TOTAL PETROLEUM **HYDROCARBONS**

Client:	Burlington	Project #:	92115-0001
Sample ID:	5pt Comp Btm @ 5'	Date Reported:	09-08-09
Laboratory Number:	51532	Date Sampled:	09-03-09
Chain of Custody No:	7890	Date Received:	09-03-09
Sample Matrix:	Soil	Date Extracted:	09-03-09
Preservative:	Cool	Date Analyzed:	09-03-09
Condition:	Intact	Analysis Needed:	TPH-418.1

	Concentration	Det. Limit
Parameter	(mg/kg)	(mg/kg)
Total Petroleum Hydrocarbons	20.8	10.4

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Walker SRC #1



### **EPA METHOD 418.1** TOTAL PETROLEUM **HYROCARBONS** QUALITY ASSURANCE REPORT

Client: Sample ID: QA/QC

Project #:

N/A

QA/QC

Date Reported:

09-03-09

Laboratory Number: Sample Matrix:

09-03-TPH.QA/QC 51506 Freon-113

Date Sampled: Date Analyzed:

N/A

TPH

Preservative:

N/A N/A Date Extracted: Analysis Needed: 09-03-09 09-03-09

Calibration

Condition:

I-Cal Date

C-Cal Date

I-Cal RF:

C-Cal RF:

% Difference

Accept. Range

08-25-09

09-03-09

1,440

1,520

5.6%

+/- 10%

Blank Conc. (mg/Kg)

Concentration ND

**Detection Limit** 

10.4

Duplicate Conc. (mg/Kg)

**TPH** 

**TPH** 

Sample 32.3

Duplicate 26.6

% Difference 17.6%

Accept. Range +/- 30%

Spike Conc. (mg/Kg)

TPH

Sample 32.3

Spike Added 2,000

Spike Result 1,930

% Recovery 95.0%

Accept Range 80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

QA/QC for Samples 51337, 51506 - 51509, 51511 - 51513, 51522 and 51532.

Mistle of Walters



Client: Sample ID: Lab ID#: Sample Matrix: Preservative: Condition:

Burlington 5-pt Comp Btm @ 5' 51532

Soil Cool Intact Project #: Date Reported: Date Sampled:

Date Received: Date Analyzed: Chain of Custody: 92115-0001 09-08-09 09-03-09 09-03-09 09-04-09 7890

Parameter

Concentration (mg/Kg)

**Total Chloride** 

550

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Walker SRC #1.

Analyst

Wester m Walter Review

## CHAIN OF CUSTODY RECORD DUSH 7890

Client Address:  Client Phone No.:			Project Name / Location:							ANALYSIS / PARAMETERS												
			Sampler Name:  F. ME Dowald						8015)	18021)	82é0)	S										
			Client No.: 92115-0001						TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P		(418.1)	RIDE			Sample Cool	Sample Intact
Sample No./ Identification	Sample Date	Sampl Time	Lab No.		Sample Matrix	No./Volume of Containers			TPH (	BTEX	VOC (	RCRA	Cation	22	TCLP	PAH	TPH (	CHLORIDE			Samp	Sampl
5-Pt Comp Btn @ 51	9/3/01	9:40	51532	Solid	Sludge Aqueous Sludge	1			X	x							X	X			7	~
DINE 63'				Soil Solid Soil	Aqueous Sludge																	
	5-1			Solid Solid	Aqueous Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
				Soil Solid	Sludge Aqueous																	
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				Solid Solid	Aqueous Sludge Aqueous																	
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RUSH GWEK FROM	st				3	en	V Î	r C	) t	e	C	h										



Client: Burlington Project #: 92115-0001 Sample ID: BGT Btm @ 14' Date Reported: 10-19-09 Lab ID#: 52132 Date Sampled: 10-16-09 Sample Matrix: Soil Date Received: 10-16-09 Preservative: Cool Date Analyzed: 10-16-09 Condition: Intact Chain of Custody: 8216

**Parameter** 

Concentration (mg/Kg)

**Total Chloride** 

30

Reference: U.S.E.P.A.

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Walker SRC #1.

Analyst

Whather Wasters Review



Client: Sample ID: Lab ID#: Sample Matrix: Preservative: Condition:

Burlington Upgradient TH @ 5' 52133 Soil

Cool Intact

Project #: Date Reported: Date Sampled: Date Received: Date Analyzed: Chain of Custody:

10-19-09 10-16-09 10-16-09 10-16-09 8216

92115-0001

Parameter

Concentration (mg/Kg)

**Total Chloride** 

205

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Walker SRC #1.

Analyst



Client: Burlington Project #: 92115-0001 Upgradient TH @ 9' Sample ID: Date Reported: 10-19-09 Lab ID#: 52134 Date Sampled: 10-16-09 Sample Matrix: Soil Date Received: 10-16-09 Preservative: Cool Date Analyzed: 10-16-09 Condition: Intact Chain of Custody: 8216

**Parameter** 

Concentration (mg/Kg)

**Total Chloride** 

230

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Walker SRC #1.

Analyst

Review



92115-0001

10-19-09

10-16-09

10-16-09

10-16-09

8216

Client: Burlington Project #: Upgradient TH @ 12' Sample ID: Date Reported: Lab ID#: 52135 Date Sampled: Sample Matrix: Soil Date Received: Preservative: Cool Date Analyzed: Condition: Intact Chain of Custody:

**Parameter** 

Concentration (mg/Kg)

**Total Chloride** 

235

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Walker SRC #1.

Analyst

Review

CHAIN OF CUSTODY RECORD Pust 8216

Client: Project Name / Loca				Location		. 2 @		T	ANALYSIS / PARAMETERS												
Client Address: Sampler Name:					BC.																
Client Address: Sampler				WAIKER SEC #1 Impler Name: T. MEDONALD					8021)	8260)	S										
Client Phone No.:		Client No.: 92115-000/						Method	lethod	8 Metal	Anion		vith H/P		18.1)	NDE			Cool	Intact	
Sample No./ Identification	Sample	Sample	le Lab No. S		ample Matrix	No./Volume Preservation Of HgCl, HCl		TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
BGT BTM	10/14/09	9:45	52/32	Solid	Sludge Aqueous	1											X			V	/
ipgradient TH	1	1	52133	Solid	Sludge Aqueous	1											X			1	2
APGIRATEUT TH	21		52134	Solid	Sludge Aqueous	,											×			V	6
UP- GURANNATH	11		52/35	Solid	Sludge Aqueous	/											X			V	
0 191				Soil Solid	Sludge Aqueous													8			
				Soil Solid	Sludge Aqueous																
				Soil Solid	Sludge Aqueous																
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				Soil Solid	Sludge Aqueous																
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