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

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

Form C-144 Revised June 6, 2013

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

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

Pit, Below-Grade Tank, or
National 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  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: _ConocoPhillips Company OGRID #: _217817
Address: PO BOX 4289, Farmington, NM 87499
Facility or well name: SAN JUAN 29-6 UNIT 247R
API Number: 30-039-25414 OCD Permit Number:
U/L or Qtr/Qtr K (NESW) Section 10 Township 29N Range 06W County: RIO ARRIBA
Center of Proposed Design: Latitude 36.73958 N Longitude -107.45451 N 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
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ Lined ☐ Unlined Liner type: Thicknessmil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other
☐ String-Reinforced
Liner Seams: Welded Factory Other Volume: bbl Dimensions: L x W x D
3.    Below-grade tank: Subsection I of 19.15.17.11 NMAC  Volume:
4.
Alternative Method:
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
5.  Faraing Subsection Def 10 15 17 11 NMAC (Analisa to annual tip to the state of
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

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	
8.	
<u>Variances and Exceptions:</u> 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 accer material 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
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
<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 do attached.  Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 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
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC  Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached.  Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  A List of wells with approved application for permit to drill associated with the pit.  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC  Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  Previously Approved Design (attach copy of design) API Number: or Permit Number: or Permit Number:	.15.17.9 NMAC

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	doguments are
### Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC    Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC    Climatological Factors Assessment    Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC    Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC    Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC    Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC    Quality Control/Quality Assurance Construction and Installation Plan    Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC    Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC    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	
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	Iuid Management Pit
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 sou provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. 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	Yes No
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
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 from the municipality	☐ 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
<ul> <li>Within an unstable area.</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 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  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
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 believe the complete to the complete to the complete to the best of my knowledge and believe the complete to the complete t	ef.
Name (Print): Title:	
Signature: Date:	
e-mail address:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) CD Conditions (see attachment)  OCD Representative Signature:  Approval Date: //	17/15
19. Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting The closure report 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: 4/1/2015	
20.	POR YOU TH
Closure Method:  ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed-logical of the Closure Method ☐ If different from approved plan, please explain.	oop systems only)
Closure Report Attachment Checklist: Instructions: Each of the following items must be attached to the closure report. Please in mark in the box, that the documents are attached.  Proof of Closure Notice (surface owner and division)  Proof of Deed Notice (required for on-site closure for private land only)  Plot Plan (for on-site closures and temporary pits)  Confirmation Sampling Analytical Results (if applicable)  Waste Material Sampling Analytical Results (required for on-site closure)	dicate, by a check

Operator Closure Certification:	
I hereby certify that the information and attachments submitted with this closur belief. I also certify that the closure complies with all applicable closure requir	
Name (Print): Crystal Walker Title: Regulatory Coordinator	
Signature: Walker	Date: 10/14/15

e-mail address: crystal.walker@cop.com Telephone: (505) 326-9837

Page 6 of 6

# ConocoPhillips Company San Juan Basin Below Grade Tank Closure Report

Lease Name: San Juan 29-6 Unit 247R

API No.: 30-039-25414

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:

- COPC 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.
- The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.
- 3. COPC 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. COPC 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 COPC 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. COPC 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). 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 300.1	250

8. If COPC or the division determines that a release has occurred, then COPC 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.

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 COPC 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.

#### Notification is attached.

11. The surface owner shall be notified of COPC'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 certified mail. (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 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.

13. COPC 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.

14. 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.

- 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)

#### Walker, Crystal

Journey, Denise D From:

Thursday, March 26, 2015 4:00 PM Sent:

'Smith, Cory, EMNRD'; Powell, Brandon, EMNRD To:

Cc:

COP\_SJ 29-6 U nit 247R\_72 Hour notification of BGT Closure Subject:

Cory & Brandon,

Subject: 72 Hour Notification of BGT Closure

Anticipated Start Date: 4/1/2015

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: San Juan 29-6 Unit 247R

API#: 30-039-25414

Location: UL K, Sec. 10, T29N, R6W

Footages: 2429' FSL & 1338' FWL

Operator: COP Surface Owner: FEE (The landowner has been sent a certified letter of

closure)

Closure Plan Approval from Santa Fe: E-mail sent to Leonard Lowe 3/25/15 requesting closure plan approval.

**Denise Journey** Staff Regulatory Technician ConocoPhillips Company 505-326-9556 505-215-1750

Denise.Journey@conocophillips.com



Juanita Farrell
Senior Associate
Real Estate & Facility Services
Property Tax, Real Estate, Right-of-Way & Claims (PTRRC)

ConocoPhillips Company 3401 E. 30<sup>th</sup> Street PO Box 4289 Farmington, NM 87499-1429 (505) 326-9597 (505) 324-6136

#### CERTIFIED MAIL - RETURN RECEIPT REQUESTED

9214 7969 0099 9790 1000 3105 71 9214 7969 0099 9790 1000 3105 95

March 26, 2015

Patricia Smith #3 CR 2978 Aztec, NM 87410 Bill Smith #5 CR 2978 Aztec, NM 87410

Subject:

Below Grade Tank Closure San Juan 29-6 Unit 247R NESW Section 10, T29N, R6W Rio Arriba County, New Mexico

#### Dear Landowner:

Pursuant to New Mexico Administrative Code § 19.15.17.13(J) (1) operator shall provide the surface owner of the operator's proposal to close a below- grade tank. In compliance with this requirement, please consider this letter as notification that ConocoPhillips intends to close a below-grade tank on the subject well pad.

If you have any questions, please contact the PTRRC department at (505) 324-6111. Sincerely,

Juanita Farrell

District I 1625 N. French Dr., Hobbs, NM 88240 District III
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

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

Form C-141

Revised August 8, 2011

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

						OPERA'	ГOR	☐ Init	ial Report   Final Repo		
		onocoPhillips			C	Contact Crystal Walker					
		th St, Farmin			T	elephone l	No.(505) 326-98	837			
Facility Na	ne: San Ju	uan 29-6 Un	it 247R		F	Facility Type: Gas Well					
Surface Ow	ner BLM			Mineral (	Owner			API N	0.30-039-25414		
				LOCA	ATION	OF RE	LEASE				
Unit Letter <b>K</b>	Section 10	Township 29N	Range 6W	Feet from the 2429	North/S	South Line	Feet from the 1338	East/West Line West	County Rio Arriba		
				Latitude 3	6.73958	Longitud	e <u>-107.45451</u>				
				NAT	TURE (	OF REL	EASE	123	Secretary		
Type of Rele		e production of				Volume of			Recovered		
Source of Re	lease					Date and I	Hour of Occurren	Date and	Hour of Discovery		
Was Immedi	ate Notice (		Yes [	No ⊠ Not R	tequired	If YES, To	Whom?				
By Whom?						Date and I	Hour				
Was a Water	course Read		Yes 🛛 1	No		If YES, Vo	olume Impacting	the Watercourse.			
No release w	vas encount	em and Reme tered during and Cleanup	the BGT	Closure.							
N/A	a Anected	and Cicanup I	Action 1 as	cii.							
regulations a public health should their or the enviro	or the environment. In a	are required to ronment. The lave failed to	to report are acceptant adequately OCD accept	nd/or file certain to be of a C-141 reprinted investigate and in	release no ort by the remediate	tifications a NMOCD m contaminat	nd perform corre- parked as "Final Fion that pose a the	ctive actions for re Report" does not re reat to ground water	rsuant to NMOCD rules and leases which may endanger lieve the operator of liability or, surface water, human health compliance with any other		
Signature:	7	Hal	Wa	lku				SERVATION	DIVISION		
Printed Nam	e: Crystal V	Walker			A	approved by	Environmental S	specialist:			
Title: Regul	atory Coo	rdinator			Α	approval Da	te:	Expiration	Date:		
E-mail Addr	ess: crystal.	.walker @cop	.com		C	Conditions o	f Approval:	1732	Attached		
Date: 10	14/15 tional Shee	Phone: (50:	_	7				في زايا	Amazina Li		

# Animas Environmental Services, LLC



May 4, 2015

Lisa Hunter ConocoPhillips San Juan Business Unit Office 214-04 5525 Hwy 64 Farmington, New Mexico 87401

Via electronic mail to: SJBUE-Team@ConocoPhillips.com

RE: Below Grade Tank Closure Report

San Juan 29-6 #247R

Rio Arriba County, New Mexico

Dear Ms. Hunter:

Animas Environmental Services, LLC (AES) is pleased to provide the final report associated with the below grade tank (BGT) closure at ConocoPhillips (CoP) San Juan 29-6 #247R, located in Rio Arriba County, New Mexico. Tank removal had been completed by CoP contractors prior to AES' arrival at the location.

#### 1.0 Site Information

#### 1.1 Location

Site Name – San Juan 29-6 #247R

Legal Description – NW¼ SW¼, Section 10, T29N, R6W, Rio Arriba County, New Mexico

Well Latitude/Longitude – N36.73962 and W107.45469, respectively

BGT Latitude/Longitude – N36.73958 and W107.45451, respectively

Land Jurisdiction – Bureau of Land Management (BLM)

Figure 1. Topographic Site Location Map

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, April 2015

# 1.2 NMOCD Ranking

In accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases

604 W. Piñon St. Farmington, NM 87401 505-564-2281

> 1911 Main, Ste 280 Durango, CO 970-403-3084

(August 1993), the location was given a ranking score of 20 based on the following factors:

- Depth to Groundwater: A cathodic protection report form dated February 1996 reported the depth to groundwater as 180 feet below ground surface (bgs). (0 points)
- Wellhead Protection Area: The tank location is not within a wellhead protection area. (0 points)
- Distance to Surface Water Body: An unnamed wash which ultimately discharges to Frances Creek is located approximately 165 feet southwest of the location. (20 points)

#### 1.3 BGT Closure Assessment

AES was initially contacted by Danny Rudder, CoP representative, on March 31, 2015, and on April 1, 2015, Emilee Skyles and Sam Glasses of AES mobilized to the location. AES personnel collected one five-point soil sample composited from four perimeter samples and one center sample of the BGT footprint from below the BGT liner.

## 2.0 Soil Sampling

On April 1, 2015, AES personnel conducted field sampling and collected one 5-point composite (SC-1) from below the BGT. Soil was collected from approximately 0.5 feet below the former BGT. Soil sample SC-1 was field screened for volatile organic compounds (VOCs), total petroleum hydrocarbon (TPH), and chloride, and was submitted for confirmation laboratory analysis. Soil sample locations are included on Figure 2.

### 2.1 Field Sampling

#### 2.1.1 Volatile Organic Compounds

A portion of SC-1 was utilized for field screening of VOC vapors with a photo-ionization detector (PID) organic vapor meter (OVM). Before beginning field screening, the PID-OVM was first calibrated with 100 parts per million (ppm) isobutylene gas.

#### 2.1.2 Total Petroleum Hydrocarbons

Soil sample SC-1 was also analyzed in the field for TPH per U.S. Environmental Protection Agency (USEPA) Method 418.1 using a Buck Scientific Model HC-404 Total Hydrocarbon Analyzer Infrared Spectrometer (Buck). A 3-point calibration was completed prior to conducting soil analyses. Field analytical protocol followed AES's

Standard Operating Procedure: Field Analysis Total Petroleum Hydrocarbons per EPA Method 418.1.

#### 2.1.3 Chlorides

Soil sample SC-1 was field screened for chlorides using Chloride Drop Count Titration with silver nitrate. Sampling and analysis methods followed procedures provided by Hach Company.

#### 2.2 Laboratory Analyses

The composite soil sample SC-1 collected for laboratory analysis was placed into a new, clean, laboratory-supplied container, which was then labeled, placed on ice, and logged onto a sample chain of custody record. The sample was maintained on ice until delivery to the analytical laboratory, Hall Environmental Analysis Laboratory (Hall), in Albuquerque, New Mexico. Soil sample SC-1 was laboratory analyzed for:

- Benzene, toluene, ethylbenzene, and xylene (BTEX) per USEPA Method 8021B;
- TPH per USEPA Method 418.1; and
- Chloride per USEPA Method 300.0.

### 2.3 Field and Laboratory Analytical Results

Field screening readings for VOCs via OVM were measured at 0.0 ppm in SC-1. Field TPH concentrations were reported at 30.0 mg/kg. The field chloride concentration was 100 mg/kg. Field sampling results are summarized in Table 1 and presented on Figure 2. The AES Field Sampling Report is attached.

Table 1. Soil Field Sampling VOCs, TPH, and Chloride Results San Juan 29-6 #247R BGT Closure, April 2015

Sample ID	Date Sampled	Depth below BGT (ft)	VOCs OVM Reading (ppm)	Field TPH (mg/kg)	Field Chlorides (mg/kg)
NMOCD Action L	evel (NMAC 19.	15.17.13E)		100	250
SC-1	4/1/15	0.5	0.0	30.0	100

Laboratory analytical results reported benzene and total BTEX concentrations in SC-1 as less than 0.035 mg/kg and 0.176 mg/kg, respectively. TPH concentrations were reported at less than 20 mg/kg. The laboratory chloride concentration was reported below the laboratory detection limit of 30 mg/kg. Laboratory analytical results are summarized in Table 2 and included on Figure 2. The laboratory analytical report is attached.

Table 2. Soil Laboratory Analytical Results San Juan 29-6 #247R BGT Closure, April 2015

Sample ID			Benzene (mg/kg)	Total BTEX (mg/kg)	TPH (mg/kg)	Chlorides (mg/kg)	
	IMOCD Actio		0.2	50	100	250	
SC-1	4/1/15	0.5	<0.035	<0.176	<20	<30	

#### 3.0 Conclusions and Recommendations

NMOCD action levels for BGT closures are specified in New Mexico Administrative Code (NMAC) 19.15.17.13E. Field TPH concentrations in SC-1 were below the NMOCD action level of 100 mg/kg, with a concentration reported at 30.0 mg/kg. Benzene and total BTEX concentrations were below the NMOCD action levels of 0.2 mg/kg and 50 mg/kg, respectively. Chloride concentrations in SC-1 were below the NMOCD action level of 250 mg/kg. Based on field sampling and laboratory analytical results for benzene, total BTEX, TPH, and chlorides, no further work is recommended at San Juan 29-6 #247R.

If you have any questions about this report or site conditions, please do not hesitate to contact Emilee Skyles at (505) 564-2281.

Sincerely,

David J. Reese

**Environmental Scientist** 

Elizabeth V McNdly

David & Reme

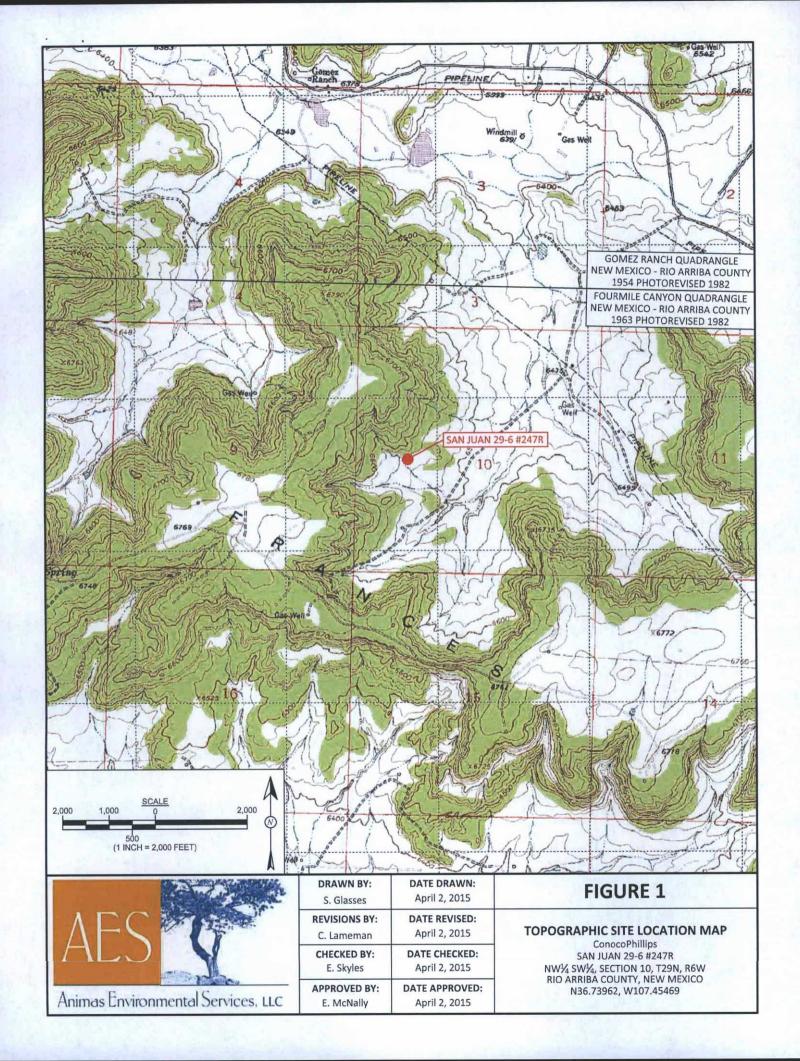
Elizabeth McNally, P.E.

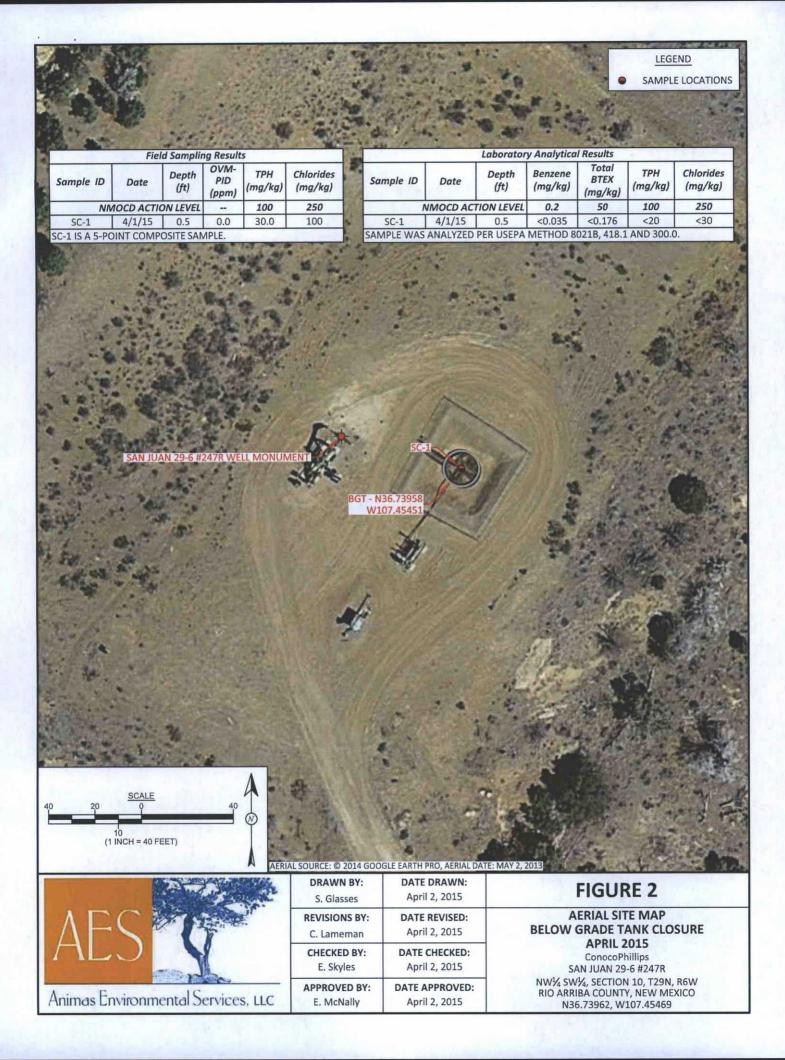
#### Attachments:

Figure 1. Topographic Site Location Map Figure 2. Aerial Site Map, April 2015 AES Field Sampling Report 040115 Hall Analytical Report 1504078

Lisa Hunter San Juan 29-6 #247R BGT Closure Report May 4, 2015 Page 5 of 5

R:\Animas 2000\Dropbox (Animas Environmental)\0000 Animas Server Dropbox EM\2015 Projects\ConocoPhillips\SJ 29-6 #247R\San Juan 29-6 #247R BGT Closure Report 050415.docx





# **AES Field Sampling Report**

# Animas Environmental Services, LLC

Client: ConocoPhillips

Project Location: San Juan 29-6 #247R

Date: 4/1/2015

Matrix: Soil

	Collection	Collection	Sample	OVM	Field Chloride	Field TPH*	Field TPH Analysis	TPH PQL		TPH Analysts
Sample ID	Date	Time	Location	(ppm)	(mg/kg)	(mg/kg)	Time	(mg/kg)	DF	Initials
SC-1	4/1/2015	12:50	Composite	0.0	100	30.0	13:32	20.0	1	EMS

DF

**Dilution Factor** 

NA

Not Analyzed

PQL

Practical Quantitation Limit

Field Chloride - Quantab Chloride Titrators or Drop Count

Titration with Silver Nitrate

Total Petroleum Hydrocarbons - USEPA 418.1

Analyst: Sinh Shl

<sup>\*</sup>Field TPH concentrations recorded may be below PQL.



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

April 07, 2015

Emilee Skyles Animas Environmental 604 Pinon Street Farmington, NM 87401 TEL: (505) 564-2281

FAX

RE: CoP SJ 29-6 # 247R

OrderNo.: 1504078

#### Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/2/2015 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 <a href="www.hallenvironmental.com">www.hallenvironmental.com</a> 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 QC 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

andyl

4901 Hawkins NE

Albuquerque, NM 87109

#### **Analytical Report**

Lab Order 1504078

Date Reported: 4/7/2015

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental

Project: CoP SJ 29-6 # 247R

Lab ID:

1504078-001

Client Sample ID: SC-1

Collection Date: 4/1/2015 12:50:00 PM

Matrix: MEOH (SOIL) Received Date: 4/2/2015 7:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.035	mg/Kg	1	4/2/2015 9:12:22 PM	18462
Toluene	ND	0.035	mg/Kg	1	4/2/2015 9:12:22 PM	18462
Ethylbenzene	ND	0.035	mg/Kg	1	4/2/2015 9:12:22 PM	18462
Xylenes, Total	ND	0.071	mg/Kg	1	4/2/2015 9:12:22 PM	18462
Surr: 4-Bromofluorobenzene	102	80-120	%REC	1	4/2/2015 9:12:22 PM	18462
<b>EPA METHOD 300.0: ANIONS</b>					Analys	LGT
Chloride	ND	30	mg/Kg	20	4/6/2015 2:36:06 PM	18531
EPA METHOD 418.1: TPH					Analys	: BCN
Petroleum Hydrocarbons, TR	ND	20	mg/Kg	1	4/3/2015 2:00:00 PM	18482

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

Page 1 of 4

- P Sample pH Not In Range
- RL Reporting Detection Limit

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 1504078

07-Apr-15

Client: Project: Animas Environmental CoP SJ 29-6 # 247R

Sample ID MB-18531

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID: Prep Date:

PBS

4/6/2015

Batch ID: 18531

RunNo: 25320

Analysis Date: 4/6/2015

Result

SeqNo: 749564

Units: mg/Kg

HighLimit

**RPDLimit** 

Qual

Analyte Chloride

PQL ND 1.5

Sample ID LCS-18531 LCSS

SampType: LCS

TestCode: EPA Method 300.0: Anions

LowLimit

%RPD

Batch ID: 18531 Analysis Date: 4/6/2015

PQL

1.5

RunNo: 25320 SeqNo: 749565

Units: mg/Kg

**RPDLimit** 

Analyte Chloride

Client ID:

Prep Date:

Result

SPK value SPK Ref Val

0

SPK value SPK Ref Val %REC LowLimit

92.6

90

%RPD

Qual

4/6/2015

14

15.00

%REC

HighLimit 110

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- R RPD outside accepted recovery limits
- Spike Recovery outside accepted recovery limits
- Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Sample pH Not In Range Reporting Detection Limit
- Page 2 of 4

# **OC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1504078

07-Apr-15

Client: Project:

Analyte

Analyte

Analyte

Animas Environmental CoP SJ 29-6 # 247R

Sample ID MB-18482

SampType: MBLK

Client ID: PBS

Result

Batch ID: 18482

PQL

TestCode: EPA Method 418.1: TPH

RunNo: 25286

Analysis Date: 4/3/2015

Units: mg/Kg

Prep Date: 4/2/2015

SegNo: 747717

HighLimit

%RPD **RPDLimit** 

Qual

Petroleum Hydrocarbons, TR

ND 20

Sample ID LCS-18482

TestCode: EPA Method 418.1: TPH

SPK value SPK Ref Val %REC LowLimit

0

SampType: LCS

RunNo: 25286

Client ID: LCSS Prep Date: 4/2/2015

Batch ID: 18482 Analysis Date: 4/3/2015

SeqNo: 747718

Units: mg/Kg

Qual

Petroleum Hydrocarbons, TR

Result 100

Result

100

SPK value SPK Ref Val 100.0

%REC LowLimit 100

86.7

HighLimit 126 **RPDLimit** 

Sample ID LCSD-18482

SampType: LCSD

Batch ID: 18482

PQL

20

TestCode: EPA Method 418.1: TPH

RunNo: 25286 SeqNo: 747719

Units: mg/Kg

Qual

Client ID: LCSS02 Prep Date: 4/2/2015

Analysis Date: 4/3/2015

SPK value SPK Ref Val

%REC LowLimit

%RPD HighLimit

**RPDLimit** 

Page 3 of 4

Petroleum Hydrocarbons, TR

PQL 20

100.0

102

86.7

1.32

%RPD

20

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Value above quantitation range E
- Analyte detected below quantitation limits
- RSD is greater than RSDlimit 0
- RPD outside accepted recovery limits R

Spike Recovery outside accepted recovery limits

- Holding times for preparation or analysis exceeded
- Sample pH Not In Range

H

- Reporting Detection Limit
- Analyte detected in the associated Method Blank
- Not Detected at the Reporting Limit

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

1504078

07-Apr-15

Client: Project: Animas Environmental CoP SJ 29-6 # 247R

Sample ID         LCS-18462         SampType: LCS           Client ID:         LCSS         Batch ID: 18462           Prep Date:         4/1/2015         Analysis Date: 4/2/2015			Tes F							
Analyte	Result	PQL		SPK Ref Val	SeqNo: 7 %REC	LowLimit	Units: mg/k HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	109	76.6	128			
Toluene	1.1	0.050	1.000	0	108	75	124			
Ethylbenzene	1.0	0.050	1.000	0	104	79.5	126			
Xylenes, Total	3.1	0.10	3.000	0	104	78.8	124			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	80	120			
Sample ID MB-18462	SampType: MBLK			Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: PBS Batch ID: 18462			F	RunNo: 2	5248					

Sample ID MB-18462	SampType: MBLK Batch ID: 18462 Analysis Date: 4/2/2015			TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS				F	RunNo: 2	5248							
Prep Date: 4/1/2015				5	SeqNo: 7	46621	Units: mg/k						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.050											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	1.0		1.000		103	80	120						

#### Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

P Sample pH Not In Range

RL Reporting Detection Limit

Page 4 of 4



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

RcptNo: 1 **Animas Environmental** Work Order Number: 1504078 Client Name: 01/02/15 AT Received by/date: 4/2/2015 7:00:00 AM Logged By: **Lindsay Mangin** 4/2/2015 8:36:22 AM Completed By: Lindsay Mangin 04/02/15 Reviewed By: Chain of Custody No 🗆 Not Present Yes 1. Custody seals intact on sample bottles? No 🗌 Not Present Yes V 2. Is Chain of Custody complete? 3. How was the sample delivered? Courier Log In NA 🗌 No \_ 4. Was an attempt made to cool the samples? NA 🗌 Yes V No | 5. Were all samples received at a temperature of >0° C to 6.0°C No \_ Yes V 6. Sample(s) in proper container(s)? No 7. Sufficient sample volume for indicated test(s)? No 🗌 8. Are samples (except VOA and ONG) properly preserved? No V NA . Yes \_ 9. Was preservative added to bottles? No VOA Vials No \_ Yes 10. VOA vials have zero headspace? Yes No V 11. Were any sample containers received broken? # of preserved bottles checked for pH: Yes V No \_ 12. Does paperwork match bottle labels? (<2 or >12 unless noted) (Note discrepancies on chain of custody) Adjusted? No Yes V 13. Are matrices correctly identified on Chain of Custody? Yes V No 14. Is it clear what analyses were requested? Yes V No \_ Checked by: 15. Were all holding times able to be met? (If no, notify customer for authorization.) Special Handling (If applicable) Yes NA V No \_ 16. Was client notified of all discrepancies with this order? Person Notified: Date eMail Phone Fax In Person By Whom: Via: Regarding: Client Instructions: 17. Additional remarks: 18. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No 1.0 Good

Chain-of-Custody Record  Client: Animas Environmental Semius  Mailing Address: 604 W. Pinam It  Farmington, NM 87401  Phone #: 505-564-2281  email or Fax#:  QA/QC Package:  Standard   Level 4 (Full Validation)			Turn-Around		HALL ENVIRONMENTAL														
			Standard □ Rush_ Project Name: CP ST 29-6 # 247R Project #:				ANALYSIS LABORATORY												
							www.hallenvironmental.com  4901 Hawkins NE - Albuquerque, NM 87109  Tel. 505-345-3975 Fax 505-345-4107  Analysis Request												
			30 / MR		SIMS)		PO4,SO	PCB's											
			Accreditation  □ NELAP □ Other			Sampler: 55/54 On Ice: 7 Yes □ No				+ TPH (Gas only)	RO / DF	(18.1)	8270 8	"	O <sub>3</sub> ,NO <sub>2</sub>	s / 8082		(A)	Chlorides
□ EDD (Type)		Sample Temperature: /. 0					9 (G	9 bo	10 or	etals	N,O	cide	(A)	J-VC	20		> s		
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MITBE	BTEX + MTBE	TPH 8015B (GRO / DRO / MRO)	IPH (Method 418.1) EDB (Method 504.1)	PAH's (8310 or 8270	RCRA 8 Metals	Anions (F,CI,NO3,NO2,PO4,SO4)	8081 Pesticides /	8260B (VOA)	8270 (Semi-VOA)	300.0 C		Air Bubbles (Y or N)
4/1/15	12:50	Sil	SC-1	1-407 11604	wort	-001	χ							-	-		X		
			-																$\pm$
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													5,0					$\Box$	1
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Date: Ulix Date:	Time: 1744 (Time: 1825	Relinquishe Relinquishe	-Bh	Received by: Received by:	Waste	Date Time  4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rer W	nark Odf Code Kok	5: By 1037 TIII	11 to 0381	Con	nex	of	Inter Ser	upe a:	er:T	Fashe Januar	Try	illo kh

