Form C-144 Revised June 6, 2013

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

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.

1220 2. 26.11		Santa	10,111107505	**	
12560 45-07140	Propos	Pit, Below sed Alternative Method	v-Grade Tank, I Permit or Clo	<u>or</u> sure Plan Application	OCD Received 1-15-15
		☐ Below grade tank registrati ☐ Permit of a pit or proposed ☐ Closure of a pit, below-gra ☐ Modification to an existing ☐ Closure plan only submitte	on alternative method de tank, or proposed	alternative method	
	Instructions: Plea	ase submit one application (Form	C-144) per individual p	it, below-grade tank or alternati	ive request
Please be advised environment. No		equest does not relieve the operator of the operator of its responsibility to co	21' 1 '1' 1	no regult in pollution of surface wa	ter ground water or the
Operator: Bur	lington Resources		OGRID #: <u>1</u>	4538	
Address:	PO BOX 4289, F	armington, NM 87499			12
Facility or well	name: <u>Hancock 7</u>				
API Number:	3004507140	OCD Pern	nit Number:		N N
IJ/I. or Otr/Otr	L (NWSW)	Section 30 Township 28N	Range <u>9W</u> C	ounty: <u>San Juan</u>	
Center of Prop	osed Design: Latitud	e <u>36.63025000 •N</u> Long	gitude <u>-107.83354000</u>	<u>•W</u> NAD: ⊠1927 □ 19	983
Surface Owner	:: ⊠ Federal □ State	Private Tribal Trust or Indi	an Allotment OCD	NAD83	-
Dallage Chile				.6301973 W 107.8341	496
2.					
	section F, G or J of 19	9.15.17.11 NMAC			
Temporary:	Drilling Worke	over			20. 00000
☐ Permanent	□ Emergency □ C	Cavitation P&A Multi-Well	Fluid Management	Low Chloride Drilling F	Tuid 🗌 yes 🗌 no
☐ Lined ☐	Unlined Liner type	: Thicknessmil Ll	LDPE 🗌 HDPE 🔲 P	VC Other	
Ctring Rei	nforced				
Liner Seams:	☐ Welded ☐ Facto	ory Other	Volume:	bbl Dimensions: L	x W x D
Emer Beams.					
Volume:	120 ction material:	on I of 19.15.17.11 NMACbbl Type of fluid:ProMetal	duced Water sepa	stituents Exceed St 9.15.17.13 NMAC. rate C-141 under 1	Please submit a
☐ Secondar	y containment with le	eak detection Visible sidewalls	, liner, 6-inch lift and a	utomatic overflow shut-off	
☐ Visible si	idewalls and liner	Visible sidewalls only Other			
Liner type: T	hickness 4	45mil	PVC OtherL	LDPE	
4. Alternati	ve Method:				
Submittal of	an exception request i	is required. Exceptions must be su	bmitted to the Santa Fe	Environmental Bureau office for	consideration of approval.
	m. swapprom radinant.	Parameter			
5.	beection D of 10 15 1	7.11 NMAC (Applies to permanen	t pits, temporary pits, a	nd below-grade tanks)	
Chain linl	k, six feet in height, to church)	wo strands of barbed wire at top (Re	equired if located within	n 1000 feet of a permanent reside	ence, school, hospital,
Four foot	height, four strands of	of barbed wire evenly spaced betwe	en one and four feet		
Alternate	. Please specify				

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)	
 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 acceptation material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ible 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
To My W. H. Clark Management nit	☐ 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	res rvo
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☒ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Page 2 of 6

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 Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the dattached. 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 19.15.17.17 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 1 and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	9.15.17.9 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 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 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:	19.15.17.9 NMAC

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2. Peri Insti	nanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC ructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached to the application.	uments are
atta	ched. 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 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 ₂ S, Prevention Plan Emergency Response Plan	
[Oil Field Waste Stream Characterization Monitoring and Inspection Plan	
Ī	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	
Ins Ty	posed Closure: 19.15.17.13 NMAC structions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan. pe: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Flui Alternative posed Closure Method: Waste Excavation and Removal Waste Removal (Closed-loop systems only) On-site Closure Method (Only for temporary pits and closed-loop systems)	d Management Pit
	☐ In-place Burial ☐ On-site Trench Burial ☐ Alternative Closure Method	
W	Taste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be at a cosure 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	пистей то
II	. iting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC istructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source rovided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. Pl 9.15.17.10 NMAC for guidance.	re material are lease refer to
C	Fround 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
	Fround water is between 25-50 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA ☐ 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	□ NA □
1	Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa ake (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	5.6

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
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure plan 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 can 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	7.11 NMAC 9.15.17.11 NMAC
17. 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 be Name (Print): Title:	
Signature: Date:	
e-mail address: Telephone:	
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)	see front page
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: Jai	n 29, 2015
18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) COCD Representative Signature: Title: Environmental Specialst OCD Permit Number:	n 29, 2015
OCD Representative Signature:	n 29, 2015
OCD Representative Signature:	n 29, 2015
OCD Representative Signature:	ing the closure report.

22,	
Operator Closure Certification:	and appropriate to the heet of my knowledge and
I hereby certify that the information and attachments submitted v	with this closure report is true, accurate and complete to the best of my knowledge and
belief. I also certify that the closure complies with all applicable	e closure requirements and conditions specified in the approved closure plan.
	Title: Staff Regulatory Technician
Name (Print): Kenny Davis	TittoState 2.2 games
	Date: 12/10/14
Signature:	Date12/10/11
	Telephone: 505-599-4045
e-mail address: kenny.r.davis@conocophillips.com	Telephone: <u>505-599-4045</u>

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

Lease Name: Hancock 7 API No.: 3004507140

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

General Plan:

- 1. BR shall close a below-grade tank within 60 days of cessation of operations per Subsection G.4 of 19.15.17.13 NMAC. This will include a) below-grade tanks that do not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC; b) an earlier date that the division requires because of imminent danger to fresh water, public health or the environment. For any closure, BR will file the C144 Closure Report as required.
- 2. The below-grade tank referenced above was permitted and closed within 60 days of cessation of the below-grade tanks operation.
- 3. BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit #NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

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

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

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

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

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

6. BR will test the soils beneath the below-grade tank to determine whether a release has occurred. COPC shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release; and analyzed for the constituents listed in Table I of 19.15.17.13 NMAC. COPC shall notify the division of its results on form C-141.

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

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

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

A release was 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 BR shall backfill the excavation with compacted,
non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the
site.

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

- 10. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification is missing due to employee turnovers. ConocoPhillips has reviewed our internal processes and has updated them to include the required 72 hour notification.

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

The closure process notification to the landowner not found. COPC was not aware that the original notification sent at the time of Permitting was not the only closure notification required.

ConocoPhillips has reviewed our internal processes and has updated them to include the required 72 hour notification.

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. 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.

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)

Closure Documentation was not submitted within the 60 day requirement due to employee turnovers. ConocoPhillips has reviewed our internal processes and has updated them to ensure closure documentation is submitted with the 60 day time frame.



June 14, 2010

Project No. 92115-1296

Phone: (505) 599-3403

Ms. Kelsi Gurvitz ConocoPhillips 3401 East 30th Street Farmington, New Mexico 87401

RE: BELOW GRADE TANK CLOSURE DOCUMENTATION FOR THE HANCOCK #7 (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Gurvitz,

Enclosed please find the field notes and analytical results for below grade tank (BGT) closure activities conducted at the Hancock #7 (hBr) well site located in Section 30, Township 28N, Range 9W, San Juan County, New Mexico. On May 24, 2010, a five (5)-point composite sample was collected from directly beneath the BGT; see attached *Field Notes*. The sample was screened in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a Photo Ionization Detector (PID), and for chlorides. Additionally, the sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice under chain of custody to Envirotech's laboratory to be analyzed for benzene and BTEX using USEPA Method 8021, and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory limits of 0.2 ppm benzene, 50 ppm BTEX, and 250 ppm chlorides; however, the sample returned results above the regulatory limit of 100 ppm TPH, confirming a release occurred; see attached *Analytical Results*.

A brief site assessment was then conducted. Because distance to surface water was between 200 and 1,000 feet, the closure standard was determined to be 1,000 ppm total petroleum hydrocarbons (TPH) and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. Because the sample was below the regulatory limit of 1,000 ppm TPH, no excavation was required; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions or require additional information, please contact our office at (505) 632-0615.

Respectfully Submitted, ENVIROTECH, INC.

Toni McKnight, EIT

Project Engineer/Geologist

tmcknight@envirotech-inc.com

Enclosures:

Field Notes

Analytical Results

Cc:

Client File No. 92115

				NEDE E DESCRI	en <u>de l'active dicherence</u>	21 510 F-22 51		
	1 24/10 24/10				otect 5 (800) 362-18 Farmington, Nkd 8		LAT: (1) 3	IENTAL SPECIALIST ZM 6° 37,8/3/ 107'50,0495
		REPORT:	BGT / F	PIT CLO	SURE VE	RIEICA'	ALTERNATION OF THE PROPERTY OF THE PERSON.	10 1 3010 712
LOCATION: NAME;	Hancock		WELL#:		TEMP PIT:		VENT PIT:	BGT: ⋈
LEGAL ADD: UNIT: 1		SEC: 30)	TWP: 2	AN	RNG: 9		M: Nm
QTR/FOOTAGE: 1680	3'FS(& 11	80 FUL	CNTY: S	an Suar		ST: Ne	w Mexi	cd
EXCAVATION APPROX:	NA	FT. X	NA	FT. X	NA	The second secon	CUBIC YAR	DAGE:
DISPOSAL FACILITY: LAND OWNER:	N/A Federal	The state of the s	ADT: ZO		TION METHO			
CONSTRUCTION MATER		/A			7/40 WITH LEAK I	BGT/PIT	VOLUME: 1	U/A
LOCATION APPROXIMAT		× 75	FT. 3		FROM WELL		· NA	
DEPTH TO GROUNDWAT		20'			220012 (1204			
TEMPORARY PIT - G BENZENE ≤ 0.2 mg/kg,	ROUNDWAT	ER 50-100 FE	ET DEEP	725-4				A
TEMPORARY PIT - G BENZENE ≤ 0.2 mg/kg, I PERMANENT PIT OR BENZENE ≤ 0.2 mg/kg,	ROUNDWAT BTEX ≤ 50 mg/l BGT	ER≥100 FEE kg, GRO & DRO	T DEEP O FRACTIO	N (8015) ≤ 50 g, CHLORID	00 mg/kg, TPH (4 ES ≤ 250 mg/kg	118.1) ≤ 2500		
¥	TIME	SAMPLE I.D.	LARMO		D 418.1 ANAL mL FREON		Pranticl	CATCO (A)
	15:03	200 STD	9 To 10 10 10 10 10 10 10 10 10 10 10 10 10	- MEIGHT (8	IILFREON	DILUTION	200	CALC. (mg/kg)
	15118	SP+ Comp	1 2	5	3	5	122	4 88
			3				100 A 3 W 100 A	
			5					
			6					-
PERIM	ETER		FIELD C	HLORIDE	S RESULTS		PROF	TLE
	1	7	SAMPLE	READING	CALC,	PC		
		7/2	SPCOMP	0.2	(mg/kg) < 2.8			
M H	/	,)			V-G			
60 DOW TH	971	- / /		 		Ň		•
	TXA	1				_	\	/ -
	T	1 1		PID RESUI	TS		1	2/21
	176310°	/	SAMI	PLE ID	RESULTS		~	112
1	₩	/	570	100	(ppm) LG(
			8pt co		22.5			
						<i>(</i>		
LAB SAMPLE	S	NOTES: /	3 - 6 - 47 4	Nm 030	111		1.0	
SAMPLE ID ANALYSIS BENZENE BTEX GRO & DRO CHLORIDE	0	Sample Listat	Collecte 15:30	d ≥ Su	bmitted i	w lat	or Benz	ene, BTEX,

WHO ORDERED

WORKORDER#

	1		1.0	44	C .P.
	(0	n	Ų١	(P)
ent	/		el .		



Location No:

ent:			(80	05) 632-0695 (U.S. Hwy 64, Fam	800) 362-127:		C.O.C. No:	
ELD REPORT: SI	DILL CLO	STIBE	/EDIEIC	MOITA			PAGE NO: _	/ OF /
ELD KEPUKI. SI	TIPP CTO	BUILLE	A THEFT. IC	MIUN			DATE STAR	TED: 5/24//0
CATION: NAME:	barnek		WELL#:	7			DATE FINISI	IED: 5/24/0
IAD/UNIT: L	SEC: 30 T	WP: 28 N			CNTY:53	ST:/VM	ENVIRONMI	
R/FOOTAGE: 1680'F	5641180FG	VL	CONTRAC	CTOR: N/A			SPECIALIST	Jon
CAVATION APPROX:	N/A F	T. X	NIA	FT. X			250.00	DAGE: N/A
) /A		TT400 0	REMEDIATIO				- /
ND USE: Gra 2 mg			LEASE: /\	MATERIAL I			NER: Fede	duced water
	B6.T	-1		44400	MINISTER STREET		-	august
IL LOCATED APPROXI		75	Fr. 3/		FROM Loc			ATER: ≈ 300 ′
PTH TO GROUNDWATE	The same of the sa	EAREST.		URCE: 7/00	100		PPM	ATER: 2 300
IOCD RANKING SCORE		<u> </u>	NMOCD I	TPH CLOSURE	321D: (10	100	I E IVI	
wellhead is Play							I no a particular	
AMPLE DESCRIPITION	TIME S	AMPLE I.E	LAB NO.	WEIGHT (g)	mL FREUN	DILUTION	200	CALC. ppm
15:103 200 Stap	15:18		-4	5	.20	4	122	49,8
Spr Comp					0			
	graduli (2011)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
								in the second
SPILL PER	IMETER		* g 6	OVM RESULTS		i.e.	SPILL PR	OFILE
			SAMPLE					(6)
			ID)	(pp:	m)			
		E 34			,		Asset 1	<i>_</i>
						C,	e Pg1	or
				V		×	6 0	1
See P BGT/F	gl of		•			9	RGTA	Pit Clusure
O.TIC	1 1 /00	11 110		LAB SAMPL	De	1	00.11	
· 1561/1	17 6 (05	jare	SAMPLE		1 10 10 10 10 10 10 10 10 10 10 10 10 10			
3.5.5.4			D	ANALYSIS	TIME			
	54		25%		Statement of the statem	1		
					31 (0.25 1.1	1		
					1 10 10 10			
						<u> </u>		
		<u> </u>						Yes
AVEL NOTES	CALLED OU	T:			ONSITE:			



EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Client:

ConocoPhillips

92115-1296

Sample No.:

Project #:

Sample ID:

5-Point Composite

Date Reported: 6/1/2010

Sample Matrix:

Soil

Date Sampled: 5/24/2010

Preservative:

Cool

Date Analyzed: Analysis Needed:

5/24/2010 TPH-418.1

Condition:

Parameter

Cool and Intact

	Det.
Concentration	Limit

Total Petroleum Hydrocarbons

488

(mg/kg)

5.0

(mg/kg)

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:

Hancock #7 (hBr)

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Toni McKnight

Printed

Sarah Rowland

Printed



TOTAL PETROLEUM **HYDROCARBONS**

Cal. Date:

24-May-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
TPH	100		
	200	200	
	500		
	1000		

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

1 mi Milnight Analyst	6/1//o Date
Toni McKnight	
Print Name	
Sorah Combind	6/1/10
Review	Date
Sarah Rowland	

Print Name



Field Chloride

Client:

ConocoPhillips

Project #:

92115-1296

Sample No .:

Date Reported:

6/1/2010

Sample ID:

5-Point Composite

Date Sampled:

5/24/2010

Sample Matrix:

Soil

Date Analyzed:

5/24/2010

Preservative:

Cool

Analysis Needed:

Chloride

Condition:

Cool and Intact

- MAR (2/40/08 - 2)		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

Field Chloride

ND

27.0

ND = Parameter not detected at the stated detection limit.

References:

"Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992

Hach Company Quantab Titrators for Chloride

Comments:

Hancock #7 (hBr)

Toni McKnight

Imi Milmight

Printed

Sarah Rowland

Printed



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1296
Sample ID:	5PT Composite	Date Reported:	05-29-10
Laboratory Number:	54401	Date Sampled:	05-24-10
Chain of Custody:	9463	Date Received:	05-24-10
Sample Matrix:	Soil	Date Analyzed:	05-28-10
Preservative:	Cool	Date Extracted:	05-26-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	3.4	0.9
Toluene	1.2	1.0
Ethylbenzene	10.8	1.0
p,m-Xylene	ND	1.2
o-Xylene	ND	0.9
Total BTEX	15.4	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	100 %
	1,4-difluorobenzene	100 %
	Bromochlorobenzene	100 %

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:

BGT Closure/ Hancock #7 (hBr)

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0521BBLK QA/QC	Date Reported:	05-29-10
Laboratory Number:	54401	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-28-10
Condition:	N/A	Analysis:	BTEX

Calibration and	I-Cal RF:	C-Gal RF	%DIFF.	Blank	Detect.
Detection Limits (ug/L)		Accept. Rang	je 0 - 15%	Conc	Limit
Benzene	1.3456E+006	1.3483E+006	0.2%	ND	0.1
Toluene	1.2455E+006	1.2480E+006	0.2%	ND	0.1
Ethylbenzene	1.1114E+006	1,1136E+006	0.2%	ND	0.1
p,m-Xylene	2.8284E+006	2.8341E+006	0.2%	ND	0.1
o-Xylene	1.0566E+006	1.0587E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect, Limit
Benzene	3.4	2.9	14.7%	0 - 30%	0.9
Toluene	1.2	1.5	25.0%	0 - 30%	1.0
Ethylbenzene	10.8	10.5	2.8%	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	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	3.4	50.0	48.9	91.6%	39 - 150
Toluene	1.2	50.0	46.6	91.0%	46 - 148
Ethylbenzene	10.8	50.0	48.6	80.0%	32 - 160
p,m-Xylene	ND	100	104	104%	46 - 148
o-Xylene	ND	50.0	46.0	91.9%	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 54383, 54394, 54395, 54399, 54401, 54421-54424, 54453.

Analyst

Review



Chloride

Client:

ConocoPhillips

92115-1296

Sample ID:

5 Point Composite

Lab ID#:

54401

05-29-10 05-24-10

Sample Matrix:

Şoil

Preservative:

Cool

Date Sampled: Date Received:

Date Reported:

05-24-10

Date Analyzed:

05-27-10

Condition:

Intact

Chain of Custody:

Project #:

9463

Parameter

Concentration (mg/Kg)

Total Chloride

20

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:

BGT Closure/Hancock #7 (hBr)

Analyst

CHAIN OF CUSTODY RECORD

Client:	3	E (5	Project Name / Location:	Location	HANCOCK	8 #7Ch	#7-Ch.Bo					A	ALYSI	S/PAR	AME	ANALYSIS / PARAMETERS					
Client Address:	3	- io	Sampler Name:	Whinh	fre			(3108	(1208 b	(0928	The V	ı	d							-	
Client Phone No.:		0 "	Client No.:	1296				Method	(Metho	boriteM)	steM 8 /	noinA \ n	/H Hiw		(1.814)	OBIDE			looD əlq	ple Intac	
Sample No./ Signature	Sample S Date	Sample	Lab No.	S =	Sample Matrix	No./Volume Preservative of Hgd, HG	Preservative		X∃T8	VOC			RCI TCI E	HAG	HdT		1		ms2	-	
14	1/10//2	1345	10/1/91	Solid	Sludge	20/1/	>	/	>							7			7	7	-
2.1.2.2				Soil	Studge								===								
				Solid	Sludge Aqueous							_ 0 =0	9754							_	
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				Soil	Sludge Aqueous									200							1
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				Soil	Sludge Aqueous			"													
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				Solid	Siudge										-						- 1
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Relinquished by: (Signature)	(eur					-1	/	Received by: (Signature)	Sign	ature)											
Relinquished by: (Signature)	ire)				THE PARTY OF THE P	5	Rece	Received by: (Signature)	: (Sigr	ature)			- 8								
					M	en A	envirotech Analytical Laboratory	0 0	C C C C C C C C C C C C C C C C C C C	7						Δ					
II N. ANN			9625	US Highw	5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com	ngton, NM 8	7401 • 505	-632-06	15 =	th@erry	irotech	-inc.co	E				ACC	ENT Prin	ting • For	ACCENT Printing • Form 28-0807	18

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR Initial Report Final					
Name of Company Burlington Resources, a Wholly		arrington			
Owned Subsidiary of ConocoPhillips Company					
Address 3401 E. 30 th St., Farmington, NM 87402	Telephone No. 505-599				
Facility Name Hancock 7	Facility Type Gas	Well API	# 3004507140		
Surface Owner Federal Mineral Owner	r Federal	Lease	e No. NM-03541		
Dailor Control of Downership Control	ON OF RELEASE				
D C d N	orth/South Line Feet from the	East/West Li	ne County		
Unit Letter Section Township Range Feet from the N 28N 09W 1680'	South 1180'	West	San Juan		
Latitude <u>36.63025</u> ° N	Longitude -107.83354	4° W			
	_				
	RE OF RELEASE	14/83	Volume Recovered –		
Type of Release – Unknown	Volume of Release – Unkno	VVII	Date and Hour of Discovery		
Source of Release: Below Grade Tank	Unknown		5/24/10		
The National Charge	If YES, To Whom?	-			
Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required					
By Whom?	Date and Hour -	***			
Was a Watercourse Reached?	If YES, Volume Impacting the	watercourse.			
Yes No					
If a Watercourse was Impacted, Describe Fully.*					
Describe Cause of Problem and Remedial Action Taken.* Below g	rade tank closure activities),	The state of the s		
The bolow	irada tank samnie resulis v	were above	the regulatory standard by		
TOUR CONTRACTOR OF TOUR CONTRACTOR OF POLOCO	A CITA SECRESINALI WAS INC		CI CITICI CITO OTOCOTTO CARTE		
large data majored to be 1 000 npm TPH. Since the San	inie results were below life	eregulatory	Stallading out lotter in and		
NMOCD Guidelines for Remediation of Leaks, Spills I hereby certify that the information given above is true and complete					
regulations all operators are required to report and/or file certain rele- public health or the environment. The acceptance of a C-141 report l	by the NMOCD marked as "Final R	teport" does no	t relieve the operator of liability		
or the environment. In addition, NMOCD acceptance of a C-141 rep	ort does not relieve the operator of	responsibility 1	for compliance with any other		
federal, state, or local laws and/or regulations.					
Signature: Kelö Harrington	OIL CONSERVATION DIVISION				
w					
Printed Name: Kelsi Harrington	Approved by District Supervis	sor:			
Title: Environmental Consultant	Approval Date:	Expira	tion Date:		
	G 197 7 7 7 1		F		
E-mail Address: kelsi.g.harrington@conocophillips.com	Conditions of Approval:		Attached		
Date: 9/27/10 Phone: 505-599-3403					
* Attach Additional Sheets If Necessary					





