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

.

F

	State of New Mexico
Energ	y 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.

Pit, Below-Grade Tank, or	
13655 Proposed Alternative Method Permit or Closure Plan Applica	
Type of action: Below grade tank registration	OIL CONS. DIV DIST. 3
 4/5 - 13116 ☐ 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 	DEC 08 2015
Closure plan only submitted for an existing permitted or non-permitted j or proposed alternative method	pit, below-grade tank,
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alt	ernative request
lease be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surfanvironment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental author	ce water, ground water or the
1. Operator: <u>Burlington Resources Oil & Gas Company, LP</u> OGRID #: <u>14538</u>	
Address: PO BOX 4289, Farmington, NM 87499	
Facility or well name: Nye SRC 10	
API Number: <u>30-045-13116</u> OCD Permit Number:	
U/L or Qtr/Qtr O (SWSE) Section 12 Township 30N Range 11W County: San Jua	<u>n</u>
Center of Proposed Design: Latitude <u>36.821330 •N</u> Longitude <u>-107.940103</u> •W NAD: □1927 ⊠ 1983	
Surface Owner: X Federal X State Private Tribal Trust or Indian Allotment	International Automation
Temporary: Drilling Workover Permanent Emergency Cavitation P&A Multi-Well Fluid Management Low Chloride Dri Lined Unlined Liner type: Thickness mil LLDPE HDPE PVC Other String-Reinforced String-Reinforced Volume: bbl Dimensions: L_x X	
3. ☑ Below-grade tank: Subsection I of 19.15.17.11 NMAC Volume: <u>120</u> bbl Type of fluid: <u>Produced Water</u>	
Tank Construction material: Metal	2017 N 1970 1 1 1 1
 Secondary containment with leak detection X Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off Visible sidewalls and liner Visible sidewalls only Other 	
Liner type: Thickness mil	
 Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau official 	ce for consideration of approval.
5. 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 reinstitution or church)	esidence, school, hospital,
Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	
Form C-144 Oil Conservation Division	Page 1 of 6 20 Jb

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 acce 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	☐ 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	19 4 4
 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)	1.111.0
 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	Store in
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
10. 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 dot 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 19.15.17.10 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19. and 19.15.17.13 NMAC Previously Approved Design (attach copy of design) API Number: or Permit Number:	cuments are 9 NMAC 15.17.9 NMAC
11.	
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the doc attached.	
Previously Approved Design (attach copy of design) API Number: or Permit Number:	

.

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC	
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment	
 Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC 	
 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC 	
 Quality Control/Quality Assurance Construction and Installation Plan Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC 	
Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC	
 Nuisance or Hazardous Odors, including H₂S, Prevention Plan Emergency Response Plan 	
Oil Field Waste Stream Characterization	
 Monitoring and Inspection Plan Erosion Control Plan 	
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13. <u>Proposed Closure</u> : 19.15.17.13 NMAC <i>Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.</i>	luid Management Dit
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well F Alternative Proposed Closure Method: Waste Excavation and Removal	luid Management Pit
□ 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	
 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 	
15. <u>Siting Criteria (regarding on-site closure methods only)</u> : 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. If 19.15.17.10 NMAC for guidance.	rce material are Please refer to
Ground water is less than 25 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is more than 100 feet below the bottom of the buried waste NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	Yes No
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	🗌 Yes 🗌 No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	Yes No
Within 300 feet of a wetland.	
US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance Form C-144 Page 4 of	

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 a	nd Mineral Division	Yes No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology &	t Mineral Resources; USGS; NM Geological	
Society; Topographic map		Yes No
Within a 100-year floodplain. - FEMA map	and marken and	Yes No
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the joint of the second se	rements of 19.15.17.10 NMAC ubsection E of 19.15.17.13 NMAC opriate requirements of Subsection K of 19.15.17) - based upon the appropriate requirements of 19 7.13 NMAC rements of 19.15.17.13 NMAC 0.15.17.13 NMAC 1 cuttings or in case on-site closure standards can of 19.15.17.13 NMAC of 19.15.17.13 NMAC	2.11 NMAC 2.15.17.11 NMAC
17. Operator Application Certification:		
I hereby certify that the information submitted with this application is true, accurate a	and complete to the best of my knowledge and be	lief.
Name (Print):	Title:	
Signature:	Date:	
e-mail address:	Telephone:	
18. OCD Approval: Permit Application (including closure plan) Image: Closure Plan OCD Representative Signature: Image: Closure Plan Image: Closure Plan Title: Image: Closure Plan Image: Closure Plan	OCD Conditions (see attachment) Approval Date: \2\2	39012
A CONTRACTOR OF A CONTRACTOR OFTA CONTRACTOR O		
^{19.} <u>Closure Report (required within 60 days of closure completion)</u> : 19.15.17.13 NM Instructions: Operators are required to obtain an approved closure plan prior to in The closure report is required to be submitted to the division within 60 days of the c section of the form until an approved closure plan has been obtained and the closure [20]	plementing any closure activities and submitting ompletion of the closure activities. Please do no	
Closure Report (required within 60 days of closure completion): 19.15.17.13 NM Instructions: Operators are required to obtain an approved closure plan prior to in The closure report is required to be submitted to the division within 60 days of the closure section of the form until an approved closure plan has been obtained and the closure 20. Closure Method:	plementing any closure activities and submitting ompletion of the closure activities. Please do no re activities have been completed.	t complete this

Operator Closure Certification:

.

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

Name (Print):	Crystal Walker Ti	tle:Regulatory Coordinator		
Signature:	Getal	Walka	Date: 12/7/15	
e-mail address:	crystal.walker@cop.con	n Telephone: (505) 326-9837	and the second se	

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

Lease Name: Nye SRC 10 API No.: 30-045-13116

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:

 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.

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

 BR shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005), JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B) and Envirotech Land Farm (Permit #NM-01-011). The liner after being cleaned well (Subsection D, Paragraph 1, Subparagraph (m) of 19.15.9.712 NMAC) will be disposed of at the San Juan County Regional Landfill located on CR 3100.

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

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

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

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

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

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

A five point composite sample was taken of the below-grade tank using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached). Form C-141 is attached.

Components	Tests Method	Limit (mg/kg)
Benzene	EPA SW-846 8021B or 8260B	0.2
BTEX	EPA SW-846 8021B or 8260B	50
TPH	EPA SW-846 418.1	100
Chlorides	EPA 300.0	250

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

A release was determined for the above referenced well.

7. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Table I of 19.15.17.13 NMAC, then BR shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site.

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

- 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.

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

The closure process notification to the landowner was not found.

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

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

11. BR shall seed the disturbed areas the first favorable growing season following closure of a below-grade tank. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM stipulated seed mixes will used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs. Provision 13 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

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

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

- 13. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
 - Soil Backfilling and Cover Installation (See Report)
 - Re-vegetation application rates and seeding techniques (See Report)
 - Photo documentation of the site reclamation (Included as an attachment)
 - Confirmation Sampling Results (Included as an attachment)
 - Proof of closure notice (Missing)

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

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office to accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR	Initial Report	Final Report
d Contact Lisa Hunter		
and the second se		
Telephone No. (505) 258-160	17	
Facility Type: Gas Well (P&	A)	
mar Enderal (SE 078108)	ADI No. 3004513	116
	ed Contact Lisa Hunter Telephone No. (505) 258-160	ed Contact Lisa Hunter Telephone No. (505) 258-1607 Facility Type: Gas Well (P&A)

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
0	12	30N	11W	790	South	1850	East	San Juan

Latitude 36.821330 L

Longitude -<u>107.940103</u>

NATURE OF RELEASE

Type of Release Hydrocarbon	Volume of Release Unknown	Volume Recovered None
Source of Release Below Grade Tank (BGT) Closure Resample	Date and Hour of Occurrence Unknown	Date and Hour of Discovery 10/27/15
Was Immediate Notice Given?	If YES, To Whom?	
🗌 Yes 🗌 No 🛛 Not Required	N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached?	If YES, Volume Impacting the Wa	tercourse.
🗌 Yes 🖾 No	N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* Below-Grade Tank Closure activities with samples taken resulting in	constituents exceeded standards ou	tlined by 19.15.17.13 NMAC.
score of 10. Samples were collected and analytical results are below a final lab report is attached for review. Samples were collected by this to the extent of 8 feet. I hereby certify that the information given above is true and complete to t regulations all operators are required to report and/or file certain release m public health or the environment. The acceptance of a C-141 report by th should their operations have failed to adequately investigate and remediat or the environment. In addition, NMOCD acceptance of a C-141 report d	the best of my knowledge and understate to tifications and perform corrective active NMOCD marked as "Final Report" the contamination that pose a threat to g	-probe in the center of former BGT area and that pursuant to NMOCD rules and tions for releases which may endanger does not relieve the operator of liability ground water, surface water, human health
federal, state, or local laws and/or regulations.		
Signature: fshilt	OIL CONSER	VATION DIVISION st:
Printed Name: Lisa Hunter		
Title: Field Environmental Specialist	Approval Date:	Expiration Date:
E-mail Address: Lisa.Hunter@cop.com	Conditions of Approval:	Attached
Date: December 4, 2015 Phone: (505) 258-1607		

* Attach Additional Sheets If Necessary



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

November 04, 2015

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

RE: COPC Nye SRC 10

OrderNo.: 1510D01

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/28/2015 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 <u>www.hallenvironmental.com</u> 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,

andial

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 1510D01

Date Reported: 11/4/2015

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas EnvironmentalClient Sample ID: BGT S-1Project:COPC Nye SRC 10Lab ID:1510D01-001Matrix:SOILReceived Date:10/28/2015 8:34:00 AM

Petroleum Hydrocarbons, TR 680 20 mg/Kg 1 10/29/2015 EPA METHOD 300.0: ANIONS Arr Chloride ND 30 mg/Kg 20 11/2/2015 12:59:4 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Arr Diesel Range Organics (DRO) 270 10 mg/Kg 1 10/29/2015 5:01:0 Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	Batch
EPA METHOD 300.0: ANIONS Ar Chloride ND 30 mg/Kg 20 11/2/2015 12:59:4 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Ar Diesel Range Organics (DRO) 270 10 mg/Kg 1 10/29/2015 5:01:0 Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	alyst: TOM
Chloride ND 30 mg/Kg 20 11/2/2015 12:59:4 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Ar Diesel Range Organics (DRO) 270 10 mg/Kg 1 10/29/2015 5:01:0 Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	22059
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Ar Diesel Range Organics (DRO) 270 10 mg/Kg 1 10/29/2015 5:01:0 Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	alyst: LGT
Diesel Range Organics (DRO) 270 10 mg/Kg 1 10/29/2015 5:01:0 Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	6 PM 22121
Surr: DNOP 110 70-130 %REC 1 10/29/2015 5:01:0	alyst: JME
	9 PM 22053
EPA METHOD 8015D: GASOLINE RANGE	9 PM 22053
ETA METHOD BUIDD. GROOLINE RANGE	alyst: NSB
Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 10/29/2015 12:54	40 PM 22060
Surr: BFB 88.1 75.4-113 %REC 1 10/29/2015 12:54	40 PM 22060
EPA METHOD 8021B: VOLATILES Ar	alyst: NSB
Benzene ND 0.048 mg/Kg 1 10/29/2015 12:54	40 PM 22060
Toluene ND 0.048 mg/Kg 1 10/29/2015 12:54	40 PM 22060
Ethylbenzene ND 0.048 mg/Kg 1 10/29/2015 12:54	40 PM 22060
Xylenes, Total ND 0.097 mg/Kg 1 10/29/2015 12:54	40 PM 22060
Surr: 4-Bromofluorobenzene 106 80-120 %REC 1 10/29/2015 12:54	40 PM 22060

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

Qualifiers:		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method	Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	Н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	Page 1 of 6
	ND	Not Detected at the Reporting Limit		Sample pH Not In Range	rage 1010
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit	
	S	% Recovery outside of range due to dilution or matrix			

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510D01

04-Nov-15

	s Environmental Nye SRC 10		
Sample ID MB-22121 Client ID: PBS Prep Date: 11/2/2015	SampType: MBLK Batch ID: 22121 Analysis Date: 11/2/2015	TestCode: EPA Method 300.0: Anions RunNo: 29959 SeqNo: 912536 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Chloride	ND 1.5		
Sample ID LCS-22121	SampType: LCS	TestCode: EPA Method 300.0: Anions	
Client ID: LCSS	Batch ID: 22121	RunNo: 29959	
Prep Date: 11/2/2015	Analysis Date: 11/2/2015	SeqNo: 912537 Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual	
Chloride	14 1.5 15.00	0 91.3 90 110	

Qualifiers:

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

Page 2 of 6

RL Reporting Detection Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510D01

04-Nov-15

	nimas Environmental OPC Nye SRC 10
Sample ID MB-22059	SampType: MBLK TestCode: EPA Method 418.1: TPH
Client ID: PBS	Batch ID: 22059 RunNo: 29879
Prep Date: 10/28/20	15 Analysis Date: 10/29/2015 SeqNo: 910059 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Petroleum Hydrocarbons, TF	R ND 20
Sample ID LCS-2205	9 SampType: LCS TestCode: EPA Method 418.1: TPH
Client ID: LCSS	Batch ID: 22059 RunNo: 29879
Prep Date: 10/28/20	15 Analysis Date: 10/29/2015 SeqNo: 910060 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Petroleum Hydrocarbons, TF	R 110 20 100.0 0 107 83.6 116
Sample ID LCSD-220	59 SampType: LCSD TestCode: EPA Method 418.1: TPH
Client ID: LCSS02	Batch ID: 22059 RunNo: 29879
Prep Date: 10/28/20	15 Analysis Date: 10/29/2015 SeqNo: 910061 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Petroleum Hydrocarbons, TF	R 110 20 100.0 0 107 83.6 116 0 20

Qualifiers:

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

Page 3 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 1510D01

04-Nov-15

	s Environmental Nye SRC 10			
Sample ID MB-22053 Client ID: PBS Prep Date: 10/28/2015	SampType: MBLK Batch ID: 22053 Analysis Date: 10/29/2015	TestCode: EPA Method RunNo: 29870 SeqNo: 910099	8015M/D: Diesel Range Or Units: mg/Kg	ganics
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RF	PDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	ND 10 9.7 10.00	96.6 70	130	
Sample ID LCS-22053 Client ID: LCSS Prep Date: 10/28/2015	SampType: LCS Batch ID: 22053 Analysis Date: 10/29/2015	TestCode: EPA Method RunNo: 29870 SeqNo: 910100	8015M/D: Diesel Range Or	ganics
Analyte		SPK Ref Val %REC LowLimit		PDLimit Qual
Diesel Range Organics (DRO) Surr: DNOP	43 10 50.00 4.4 5.000	0 86.3 57.4 87.1 70	139 130	

Qualifiers:

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

Page 4 of 6

QC SUMMARY REPORT

WO#: 1510D01

04-Nov-15

Hall Environmental Analysis Laboratory, Inc.

	s Environmental Nye SRC 10			
Sample ID MB-22060 Client ID: PBS Prep Date: 10/28/2015	SampType: MBLK Batch ID: 22060 Analysis Date: 10/29/2015	TestCode: EPA Method RunNo: 29871 SegNo: 910476	8015D: Gasoline Range Units: mg/Kg	
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 860 1000	85.9 75.4	113	
Sample ID LCS-22060	SampType: LCS	TestCode: EPA Method	8015D: Gasoline Range	
Client ID: LCSS Prep Date: 10/28/2015	Batch ID: 22060 Analysis Date: 10/29/2015	RunNo: 29871 SeqNo: 910477	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	24 5.0 25.00 920 1000		122 113	

Qualifiers:

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

Page 5 of 6

QC SUMMARY REPORT

WO#: 1510D01

04-Nov-15

Client: Project:	Animas E COPC Ny	Invironme ye SRC 10													
Sample ID	MB-22060	Samp	Гуре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles										
Client ID:	PBS	Batc	h ID: 22	060	F	RunNo: 2	9871								
Prep Date:	10/28/2015	Analysis [Date: 10	0/29/2015	S	SeqNo: 9	10488	Units: mg/h	٢g						
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-Brom	ofluorobenzene	1.0		1.000	-	103	80	120		In the second					
Sample ID	LCS-22060	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		64				
Client ID:	LCSS	Batc	h ID: 22	060	F	RunNo: 2	9871								
Prep Date:	10/28/2015	Analysis [Date: 10	0/29/2015	S	SeqNo: 9	10489	Units: mg/h	٢g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	100 B	1.1	0.050	1.000	0	111	80	120		1.24					
Toluene		0.99	0.050	1.000	0	99.3	80	120							
Ethylbenzene		0.97	0.050	1.000	0	97.1	80	120							
Xylenes, Total		2.9	0.10	3.000	0	97.0	80	120							
Surr: 4-Brom	ofluorobenzene	1.1		1.000		107	80	120							
Sample ID	1510D01-001AMS	Samp	Туре: МЗ	3	Tes	tCode: El	PA Method	8021B: Vola	tiles						
Client ID:	BGT S-1	Batc	h ID: 22	060	F	RunNo: 2	9871								
Prep Date:	10/28/2015	Analysis [SeqNo: 9		Units: mg/h	٢g						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene	and the second second	1.2	0.048	0.9653	0	120	69.6	136		The second					
Toluene		1.1	0.048	0.9653	0	110	76.2	134							
Ethylbenzene		1.1	0.048	0.9653	0	113	75.8	137							
Xylenes, Total		3.3	0.097	2.896	0	113	78.9	133							
Surr: 4-Brom	ofluorobenzene	1.1		0.9653		112	80	120							
Sample ID	1510D01-001AMS	D Samp	Type: MS	SD	Tes	tCode: E	PA Method	8021B: Vola	tiles	Sec. 1	1				
Client ID:	BGT S-1	Batc	h ID: 22	060	F	RunNo: 2	9871								
Prep Date:	10/28/2015	Analysis [Date: 10	0/29/2015	S	SeqNo: 9	10493	Units: mg/H	٢g						
Analyte		Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Benzene		1.3	0.048	0.9662	0	136	69.6	136	13.0	20	S				
Toluene		1.2	0.048	0.9662	0	125	76.2	134	12.3	20					
Ethylbenzene		1.2	0.048	0.9662	0	124	75.8	137	9.48	20					
Xylenes, Total		3.5	0.097	2.899	0	122	78.9	133	8.48	20					
Surr 4-Brom	ofluorobenzene	1.1		0.9662		113	80	120	0	0					

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- Page 6 of 6

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

LABORATORY TEL: 505-345-3	4901 Hawkii Albuquerque, NM U 1975 FAX: 505-345- w.hallenvironmenta	37109 Sam	Sample Log-In Check Lis							
Client Name: Animas Environmental Work Order Num	ber: 1510D01		RcptNo: 1							
Received by/date: 10 28 15										
Logged By: Lindsay Mangin 10/28/2015 8:34:00	AM .	d the		2.57						
Completed By: Lindsay Mangin 10/28/2015 10:18:1	7 AM	Hullingo								
Reviewed By: CS 10 28/15		000								
Chain of Custody										
1. Custody seals intact on sample bottles?	Yes	No	Not Present							
2. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present							
3. How was the sample delivered?	Courier									
Log In										
4. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗌							
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆								
6. Sample(s) in proper container(s)?	Yes 🗹	No 🗌								
7. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆								
8. Are samples (except VOA and ONG) properly preserved?	Yes 🖌	No 🗌								
9. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗆							
10.VOA vials have zero headspace?	Yes 🗌	No 🗆	No VOA Vials 🗹							
11. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved bottles checked							
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	for pH:	2 unless noted						
13. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No 🗌	Adjusted?							
14. Is it clear what analyses were requested?	Yes 🗹	No 🗌								
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:							
Special Handling (if applicable)	Yes									
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA M							
By Whom: Via:		Phone 🗌 Fax	In Person							
Regarding: Client Instructions:										
17. Additional remarks:										
18. <u>Cooler Information</u> Cooler No Temp ⁶ C Condition Seal Intact Seal No	Seal Date	Signed By								
1 2.2 Gocd Yes										

Chain-of-Custody Record			Tum-Around Time.															
lient: An	nimas E	nvironm	ental Services, LLC	X Standard Rush Project Name:						7.7								
1991								ANALYSIS LABORATO										
lailing Ad	dress:	604 W	Pinon St.		COPC Nye	SRC 10	4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107											
	Selle.	Farmin	gton, NM 87401	Project #:														
hone #:	hone #: 505-564-2281 mail or Fax#: eskyles@animasenvironmental.com A/QC Package: Standard					Analysis Request									1 1		- 1-	
mail or F			Project Manag	ger:					S									
			E. Skyles						Bors '					-				
ccreditation:			Sampler:	CL					1.						11			
I NELAP	and the second se	Other		On Ice: Sample Temp	VYes					DRC								Î
EDD (T	ype)			Sample Temp		10	8	18.1	- 300.0	6,20000	-							Y OI
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 418.1	rides	B ⁶ the c								Air Bubbles (Y or N)
-27-15	1054	SOIL	BGT S-1	2-4 oz.	cool	-001	×	x	×	×							-	
ate: 27/15 ate: 27/15	Time: 1737 Time: 1832	Relinquish	-lu-	Received by:	alt.	Date Time 16/27/15 1737 Date Time 0/28/150824/	WO Sup USE Area	# ervis ERID a: 7	ior:J	ack	onoco Birchf :CD ay Di	ield		a Hu	ater			

