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.

	Pit, Below-Grade Tanl	<u>k, or</u>	
Proposed Alternat	tive Method Permit or C	losure Plan Ap	plication
$\sqrt{5693}$ \square Modification	le tank registration pit or proposed alternative methor a pit, below-grade tank, or propose on to an existing permit/or registra n only submitted for an existing p	ed alternative method tion	
or proposed alternative method	n only submitted for an existing p	ermitted or non-perm	itted pit, below-grade tank,
	plication (Form C-144) per individua	ıl pit, below-grade tank	or alternative request
Please be advised that approval of this request does not relie	eve the operator of liability should opera	tions result in pollution o	f surface water, ground water or the
environment. Nor does approval relieve the operator of its r	esponsibility to comply with any other		
1. Operator: <u>Burlington Resources Oil & Gas Company</u>	y, LP OGRID #: 14538		OIL CONS. DIV DIST. 3
Address: PO BOX 4289, Farmington, NM 87499			DEC 1 4 2016
Facility or well name: SAN JUAN 30-6 UNIT 409			DECITIENT
API Number:30-039-24186	OCD Permit Number:		
U/L or Qtr/Qtr _ L Section _ 25			
Center of Proposed Design: Latitude			
Surface Owner: X Federal I State Private I T			
2.		24	
<u>Pit</u>: Subsection F, G or J of 19.15.17.11 NMAC	2		
Temporary: Drilling Workover			
Permanent Emergency Cavitation P&A	A 🔲 Multi-Well Fluid Management	Low Chlorid	le Drilling Fluid 🗌 yes 🔲 no
Lined Unlined Liner type: Thickness	mil LLDPE HDPE PVC	C 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: <u>120</u> bbl Type of f			
Tank Construction material: <u>Metal</u>			
\Box Secondary containment with leak detection \boxtimes		automatic overflow shi	ut-off
☐ Visible sidewalls and liner ☐ Visible sidewalls			
Liner type: Thickness mil		NSPECIFIED	
4.			
Submittal of an exception request is required. Excep	tions must be submitted to the Santa l	Fe Environmental Burea	u office for consideration of approval.
5. Fencing: Subsection D of 19.15.17.11 NMAC (Appl.)	ies to permanent pits temporary pits	and helow-grade tanks	
☐ Chain link, six feet in height, two strands of barbe institution or church)			
Four foot height, four strands of barbed wire even	ly spaced between one and four feet		
Alternate. Please specify			
Form C-144	Oil Conservation Division		Page 1 of 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)

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.

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 acceptable source material are provided below. Siting criteria does not apply to drying pads or above-grade tanks.

General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - □ NM Office of the State Engineer - iWATERS database search; □ USGS; □ Data obtained from nearby wells	☐ Yes ☐ No ⊠ NA
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ⊠ NA
 Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) Written confirmation or verification from the municipality; Written approval obtained from the municipality 	🗆 Yes 🗌 No
 Within the area overlying a subsurface mine. (Does not apply to below grade tanks) Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division 	🗆 Yes 🗌 No
 Within an unstable area. (Does not apply to below grade tanks) Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	Yes No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
 Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🛛 No
 Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	🗌 Yes 🛛 No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
 Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) Topographic map; Visual inspection (certification) of the proposed site 	🗋 Yes 🗌 No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	🗌 Yes 🗌 No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	Yes No

 Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site 	Yes No
<u>Temporary Pit Non-low chloride drilling fluid</u>	
 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.	Yes No
 NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site 	
 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 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: or Permit Number:	cuments are 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. 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:	15.17.9 NMAC

^{12.} <u>Permanent Pits Permit Application Checklist</u> : Subsection B of 19.15.17.9 NMAC <i>Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the</i>	documents are								
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 19.15.17.11 NMAC Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Muisance or Hazardous Odors, including H ₂ S, Prevention Plan Emergency Response Plan Oil Field Waste Stream Characterization Monitoring and Inspection Plan Erosion Control Plan									
Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC									
<u>Proposed Closure</u> : 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	uid Management Pit								
Proposed Closure Method: X 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									
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be a closure plan. Please indicate, by a check mark in the box, that the documents are attached.									
15. Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC									
Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. P 19.15.17.10 NMAC for guidance.									
 Ground water is less than 25 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA								
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	□ Yes □ No □ NA								
 Ground water is more than 100 feet below the bottom of the buried waste. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells 	□ Yes □ No □ NA								
 Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). Topographic map; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No								
 Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. Visual inspection (certification) of the proposed site; Aerial photo; Satellite image 	Yes No								
 Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site 	🗌 Yes 🗌 No								
Written confirmation or verification from the municipality; Written approval obtained from the municipality	🗌 Yes 🗌 No								
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes No								
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance									
Form C-144 Oil Conservation Division Page 4 of	5								

- 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
 16. On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure play a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.17. Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannel 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 	11 NMAC 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 beli	ef.
Name (Print): Title:	
Name (Print): Ittle:	
Signature: Date:	
Signature: Date:	
e-mail address: Telephone:	
e-mail address: Telephone: <u>OCD Approval</u> : Dermit Application (including closure plan) Closure Plan (only) DCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1212	
e-mail address: Telephone: <u>OCD Approva</u> l: Dermit Application (including closure plan) Closure Plan (only) DCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1212 Title: OCD Permit Number:	
e-mail address: Telephone: <u>OCD Approval</u> : Dermit Application (including closure plan) Closure Plan (only) DCD Conditions (see attachment) OCD Representative Signature: Approval Date: 1212	812016 the closure report.
e-mail address: Telephone:	812016 the closure report.
e-mail address: Telephone: 18. OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: DOCD Conditions (see attachment) Title: Approval Date: DOCD Permit Number: Proval P	the closure report. complete this

Oil Conservation Division

22. 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	Title:	Regulatory Coordinator			
Signature:	Gatal	Wal	far	Date:	12/6/16	
e-mail address:	crystal.walker@cop.com	Telephone:	(505)_326-9837			

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

Lease Name: San Juan 30-6 Unit 409 API No.: 30-039-24186

NOTE: The subject well is twinned and currently shares a BGT with the San Juan 30-6 Unit 147N. The original BGT for the subject well was moved and the closure report is below.

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.

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

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

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

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

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

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

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.

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

A release was not determined for the above referenced well.

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

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

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

Notification was not found.

 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 be used on federally regulated lands and division-approved seed mixtures (administratively approved if required) will be utilized on all State or private lands. A uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent (50%) of pre- disturbance levels and a total percent plant cover of at least seventy percent (70%) of pre-disturbance levels, excluding noxious weeds. If alternate seed mix is required by the state, private owner or tribe, it will be implemented with administrative approval if needed. COPC will repeat seeding or planting will be continued until successful vegetative growth occurs.

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

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

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

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

State of New Mexico Energy Minerals and Natural Resources

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.

1220 S. St. Fran	ncis Dr., Santa	a Fe, NM 87505	5	Sa	anta F	Fe, NM 875	05				
		Sharl	Rele	ease Notific	catio	n and Co	orrective A	ction			
						OPERA	ГOR	🗍 Initi	al Report	\boxtimes	Final Report
Name of Co	ompany B	urlington Re	sources (O&G Company,	LP		ystal Walker				
		th St, Farmin					No.(505) 326-98	337			
		an 30-6 Unit			10.0		e: Gas Well				
Surface Ow	mer FEDE	RAL		Mineral (Jwner	FEDERAL		APINO	. 30-039-2	24186	
Surface on				a j			FACE	Intric			
Unit Letter	Section	Township	Range	Feet from the		N OF RE	Feet from the	East/West Line	County Rio Arrit		
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			Latitud	e <u>36.78233</u> NAT	TIRE	Longitud	e <u>-107.52904</u> E A SE	<u> </u>			
Type of Rele	ase			NAI	URI	Volume of		Volume I	Recovered		
Source of Re							lour of Occurrence	and the second se	Hour of Dis	covery	
						VANDO D					
Was Immedi	ate Notice (Yes 🗌	No 🛛 Not R	equired	I IF YES, To	Whom?				
By Whom?						Date and H					
Was a Water	course Read		Yes 🛛 1	No		If YES, Vo	olume Impacting	the Watercourse.			
				1.			4-1 - 100				
If a Watercon N/A	urse was Im	pacted, Descr	ibe Fully.'	*							
		em and Reme ered during									
ito release v	as encount	ered during	are bor	crosure.							
Describe Are	Affected	and Cleanup A	Action Tal	cen *							
N/A	a / moored	and Creanup?	ionon ru	xon.							
regulations a public health should their or the enviro	ll operators or the envir operations h nment. In a	are required t ronment. The ave failed to a	o report an acceptance adequately OCD accept	nd/or file certain r ce of a C-141 repo v investigate and r	elease ort by t emedia	notifications as he NMOCD mate contamination	nd perform correct arked as "Final R on that pose a thr e the operator of	inderstand that purs ctive actions for rel eport" does not rel eat to ground wate responsibility for c	eases which ieve the ope r, surface wa ompliance v	may en rator of ater, hu with any	ndanger f liability man health
Signature:				1			OIL CON	SERVATION	DIVISIO	DN	
Signature.	P.	tal C	U-l	Ker							
	0		Jan	~~~~		Approved by	Environmental S	pecialist:			
Printed Nam	e: Crystal V	Walker									
Title: Regul	atory Coord	inator	1			Approval Da	te:	Expiration	Date:		
E-mail Addr	ess: cr	ystal.walker@	cop.com			Conditions of	Approval:		Attached		
Date: 12 (elle	Phone: (505	5) 326-983	37							

Date: 2 2 Phone: (505) 326-* Attach Additional Sheets If Necessary



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

November 03, 2016 Emilee Skyles

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

RE: COPC San Juan 30-6 Unit 409

OrderNo.: 1610D05

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/26/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 1610D05	

20

1

1

1

1

1

1

1

1

1

1

Date Reported: 11/3/2016

Analyst: LGT

Analyst: TOM

Analyst: NSB

Analyst: NSB

11/1/2016 5:58:46 PM 28393

10/31/2016 11:32:19 AM 28349

10/31/2016 11:32:19 AM 28349

10/31/2016 11:32:19 AM 28349

10/28/2016 1:02:20 PM 28328

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 300.0: ANIONS

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

EPA METHOD 8015D: GASOLINE RANGE

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

CLIENT:	Animas Environmental	Client Sample ID: BGT S-1								
Project:	COPC San Juan 30-6 Unit 409			Collection	Date: 10/25/2016 10:54:00 AM					
Lab ID:	1610D05-001	Matrix:	SOIL	Received	Date: 10/26/2016 7:30:00 AM					
Analyses		Result	PQL Qual	Units	DF Date Analyzed Batch					
EPA MET	THOD 418.1: TPH				Analyst: MAB					
Petroleu	m Hydrocarbons, TR	ND	20	mg/Kg	1 11/1/2016 12:00:00 PM 28370					

30

9.7

48

4.9

70-130

68.3-144

0.049

0.049

0.049

0.097

80-120

mg/Kg

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

ND

ND

ND

92.2

ND

87.9

ND

ND

ND

ND

102

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	Е	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	Р	Sample pH Not In Range
	R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
	S	% Recovery outside of range due to dilution or matrix	w	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

WO#: 1610D05

03-Nov-16

Hall Environmental Analysis Laboratory, Inc.

Client: Project:		s Environme San Juan 30-		409	*			n.			
	Sample ID MB-28393 SampType: mblk Client ID: PBS Batch ID: 28393 Prep Date: 11/1/2016 Analysis Date:					TestCode: EPA Method 300.0: Anions RunNo: 38370 SeqNo: 1198745 Units: mg/Kg					
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID Client ID:	LCS-28393		ype: Ics			tCode: El		300.0: Anion	IS	- - -	
Prep Date:	11/1/2016	Analysis D				SeqNo: 1		Units: mg/k	(g		
Analyte Chloride		Result 14	PQL 1.5	SPK value 15.00	SPK Ref Val 0	%REC 95.0	LowLimit 90	HighLimit 110	%RPD	RPDLimit	Qual

Qualifiers:

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

Page 2 of 6

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		s Environmer San Juan 30-		409							
Sample ID	MB-28370	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	PBS	Batch	ID: 28	370	F	RunNo: 3	8368				
Prep Date:	10/31/2016	Analysis D	ate: 1	1/1/2016	S	SeqNo: 1	197897	Units: mg/H	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	ND	20								
Sample ID	LCS-28370	SampT	ype: LC	s	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	LCSS	Batch	ID: 28	370	F	RunNo: 3	8368				
Prep Date:	10/31/2016	Analysis Da	ate: 11	1/1/2016	5	SeqNo: 1	197898	Units: mg/H	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	110	20	100.0	0	105	80.7	121			
Sample ID	LCSD-28370	SampT	ype: LC	SD	Tes	tCode: E	PA Method	418.1: TPH			
Client ID:	LCSS02	Batch	ID: 28	370	F	RunNo: 3	8368				
Prep Date:	10/31/2016	Analysis Da	ate: 11	1/1/2016	5	SeqNo: 1	197899	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hyd	rocarbons, TR	110	20	100.0	0	107	80.7	121	1.28	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
- W Sample container temperature is out of limit as specified

Page 3 of 6

WO#: 1610D05 03-Nov-16

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

1. Construction	Environme San Juan 30		409						1		
Sample ID MB-28349	Samp	Гуре: М	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	e e a e a	
Client ID: PBS	Batc	h ID: 28	349	RunNo: 38327							
Prep Date: 10/28/2016	Analysis [Date: 1	0/31/2016	5	SeqNo: 1	196387	Units: mg/k	٢g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	8.5	н Д	10.00	20 20 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	85.2	70	130				
Sample ID LCS-28349	Samp	Type: LC	s	Tes	tCode: E	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID: LCSS	Batc	h ID: 28	349	F	RunNo: 3	8327					
Prep Date: 10/28/2016	Analysis [Date: 10	0/31/2016	5	SeqNo: 1	196504	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	56	10	50.00	0	112	62.6	124				
Surr: DNOP	4.6		5.000		91.5	70	130				

Qualifiers:

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

Page 4 of 6

WO#: 1610D05

03-Nov-16

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Animas Environmental

Client:

Project: COPC S	an Juan 30-	6 Unit	409									
Sample ID MB-28328	SampT	ype: MI	BLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch	ID: 28	328	RunNo: 38308								
Prep Date: 10/27/2016	Analysis D	nalysis Date: 10/28/2016 SeqNo: 1195979 Units: mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0										
Surr: BFB	880		1000		88.1	68.3	144					
Sample ID LCS-28328	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e			
Client ID: LCSS	Batch	ID: 28	328	F	RunNo: 3	8308						
Prep Date: 10/27/2016	Analysis D	ate: 10	0/28/2016	5	SeqNo: 1	195980	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	74.6	123					

Surr: BFB	950	1000	95.1	68.3	144

Qualifiers:

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

Page 5 of 6

A. B. Bar

WO#: 1610D05

03-Nov-16

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

Client:	Animas E	Invironme	ntal								
Project:	COPC Sa	in Juan 30-	-6 Unit	409							1
Sample ID	MB-28328	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		7
Client ID:	PBS	Batch	n ID: 28	328	F	RunNo: 3	8308				
Prep Date:	10/27/2016	Analysis D	ate: 10)/28/2016	5	SeqNo: 1	195993	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		ND	0.025					5	* *	· · · · · · · · · · · · · · · · · · ·	8
Toluene		ND	0.050								
Ethylbenzene		ND	0.050								
Xylenes, Total		ND	0.10								
Surr: 4-Brom	ofluorobenzene	1.0		1.000		103	80	120			
Sample ID	LCS-28328	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		8 C 8 C
Client ID:	LCSS	Batch	ID: 28	328	F	RunNo: 3	8308				
Prep Date:	10/27/2016	Analysis D	ate: 10)/28/2016	5	SeqNo: 1	195994	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.96	0.025	1.000	0	96.4	75.2	115		a	
Toluene		0.98	0.050	1.000	0	97.9	80.7	112			
Ethylbenzene		0.98	0.050	1.000	0	97.5	78.9	117			
Xylenes, Total		2.9	0.10	3.000	0	96.8	79.2	115			
Surr: 4-Brom	ofluorobenzene	1.1		1.000		111	80	120	1.8.		
Sample ID	1610D05-001AMS	SampT	ype: MS	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		

Sample ID 1610D05-001AMS	s Samp I	ype: MS	5	les	tCode: E	PA Method	8021B: Volat	lles			
Client ID: BGT S-1	Batch	n ID: 28	328	F	RunNo: 3	8308					
Prep Date: 10/27/2016	Analysis D	ate: 10	0/28/2016	5	SeqNo: 1	195996	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.92	0.024	0.9470	0	97.3	71.5	122	· · · ·	1		
Toluene	0.93	0.047	0.9470	0.01195	96.7	71.2	123				
Ethylbenzene	0.94	0.047	0.9470	0	99.4	75.2	130				
Xylenes, Total	2.8	0.095	2.841	0	98.3	72.4	131				
Surr: 4-Bromofluorobenzene	1.0		0.9470		106	80	120				

Sample ID 16	0005-001AMS	D SampT	ype: MS	D	Tes	tCode: El	PA Method	8021B: Volat	liles			
Client ID: BO	Client ID: BGT S-1 Batch ID: 28328					RunNo: 38308						
Prep Date: 1	10/27/2016	Analysis D	ate: 10	/28/2016	S	SeqNo: 1	195997	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene		0.78	0.024	0.9479	0	82.0	71.5	122	16.9	20		
Toluene		0.84	0.047	0.9479	0.01195	87.5	71.2	123	9.78	20		
Ethylbenzene		0.90	0.047	0.9479	0	94.6	75.2	130	4.84	20		
Xylenes, Total		2.7	0.095	2.844	0	94.4	72.4	131	3.93	20		
Surr: 4-Bromoflu	uorobenzene	1.0		0.9479		107	80	120	0	0		

В

Qualifiers:

D H

ND R

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

Not Detected at the Reporting Limit

- E Value above quantitation range
 - J Analyte detected below quantitation limits
- Page 6 of 6

- P Sample pH Not In RangeRL Reporting Detection Limit
- RPD outside accepted recovery limits RL
- S % Recovery outside of range due to dilution or matrix

Holding times for preparation or analysis exceeded

W Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

WO#: 1610D05

03-Nov-16

ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-397.	l Analysis Laboratory 4901 Hawkins NE suquergue, NM 87109 5 FAX: 505-345-4107 allenvironmental.com	Sam	ple Log-In Ch	eck List
Client Name: Animas Environmental Work Order Number	r. 1610D05		RcptNo:	:
Received by/date	10			
Logged By: Ashley Gallegos 10/26/2016 7:30:00 A	M 🗲	F		
Completed By: Ashley Gallegos 10/26/2016 5:27:18 P	м 🚽	P		5 · · · ·
Reviewed By: 10/27/16		0		
Chain of Custedy	_	_	_	
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 🗆		
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	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗆	bottles checked for pH:	>12 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)				
16. Was client notified of all discrepancies with this order?	Yes	No 🗆	NA 🗹	
Person Notified: Date				
By Whom: Via:	eMail Phone	e 🗌 Fax	In Person	
Regarding:	WINNE PRINT			
Client Instructions:				
17. Additional remarks:				
18. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact Seal No 1 3.7 Good Not Present	Seal Date Sign	ned By		

Page 1 of 1

The second se	and a second of a second of		tody Record Inmental Services, LLC	X Standard						A	NA	LYS	SIS		BC	R			
Mailing Add	dress:	604 W	Pinon St.	COPC SA	AN JUAN 30-	-6 Unit 409	4901 Hawkins NE - Albuquerque, NM 87109												
			gton, NM 87401	Project #:				Tel. 505-345-3975 Fax 505-345-4107											
Phone #:	505-564	100 I I I I I I I I I I I I I I I I I I												Requ					
Email or Fa	ax#:	eskyles@	animasenvironmental.con	T Project Manager:													1		1 18 A
QA/QC Paci X Standar	1000	Karalar	Level 4 (Full Validation)	E. Skyles															
Accreditation				Sampler: CL/SG On ice. D Yes D No															
	/pe)			Sample Temp	erature: 🕉	s#1-		. .		0.0					1.1		1	100	
Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX - 8021B	TPH - EPA 418.1	TPH - 8015	Chlorides - 300.0									
10/25/16	10:54	SOIL	BGT S-1	1 - 4 oz.	cool	-001	x	x	x	x									
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Date:	Time:	Relinquish	ad by:	Received by:		Date Time	Ren	narks	: Bil	toC	onoc	o Phil	lips						The second second
holis	1639	Co	-len	Rihoth	peter.	10/25/14 1639	WO Sup	# 2 ervis	1739 or:	241				Cul	(~	1 Q.	145	hime	The second second
Date: 10/25/16		Relinquish	the / Deltar	Received by:	L 10	Todilo 0780	Area	a: 5			y Spe	arma	n						「日本のない」の「日日日

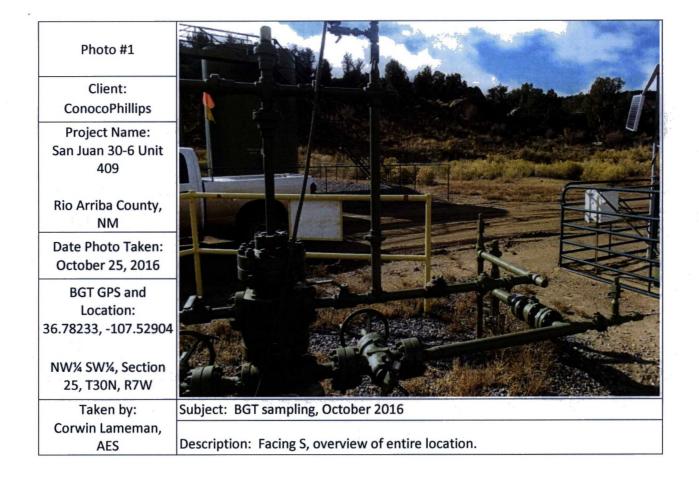


Photo #2	
Client: ConocoPhillips	
Project Name: San Juan 30-6 Unit 409	
Rio Arriba County, NM	
Date Photo Taken: October 25, 2016	
BGT GPS and Location: 36.78233, -107.52904	
NW¼ SW¼, Section 25, T30N, R7W	
Taken by:	Subject: BGT sampling, October 2016
Corwin Lameman, AES	Description: Facing N, sample location.