

State of New Mexico Energy Minerals and Natural Resources Department

For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

Form C-144 July 21, 2008

1301 W Grand Ave , Artesia, NM 88210 District III

1000 Rio Brazos Rd, Aztec, NM 87410

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

For permanent pits and exceptions submit to the Santa Fe

District IV 220 S St Francis Dr , Santa Fe, NM 87505	,	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.
1922	Pit, Closed-Loop System, Below-Grade	e Tank, or
Propo	osed Alternative Method Permit or Closu	ure Plan Application
Type of action:	Permit of a pit, closed-loop system, below-grade tai	nk, or proposed alternative method
	X Closure of a pit, closed-loop system, below-grade to	ank, or proposed alternative method
	Modification to an existing permit	
	Closure plan only submitted for an existing permitt	ted or non-permitted pit, closed-loop system,
	below-grade tank, or proposed alternative method	
	e application (Form C-144) per individual pit, closed-l	
	f this request does not relieve the operator of liability should operations rest eve the operator of its responsibility to comply with any other applicable go	
ì		
Operator: Burlington Resources Oi		OGRID#. <u>14538</u>
Address: P.O. Box 4289, Farmingt	on, NM 87499	
Facility or well name: LAMBE 1C		
API Number: 30	0-045-34503 OCD Permit Number	r
U/L or Qtr/Qtr: K(NE/SW) Section	· · · · · · · · · · _ · _ · _ · · _ ·	0W County: San Juan
Center of Proposed Design: Latitude		107.890978 °W NAD: ☐ 1927 X 1983
Surface Owner: X Federal	State Private Tribal Trust or Indian	Allotment
Permanent Emergency C  X Lined Unlined Li  X String-Reinforced	kover Cavitation P&A	HDPE PVC Other
Type of Operation P&A  Drying Pad Above Grou  Lined Unlined Line	notice of intent)  and Steel Tanks Haul-off Bins Other	activities which require prior approval of a permit or IDPE PVD Other 123293037
Below-grade tank: Subsection  Volume b  Tank Construction material  Secondary containment with leak do  Visible sidewalls and liner  Liner Type Thickness	obl Type of fluid	PRECEIVED STORES OF CONS. DIV. DIST. 3 9 OF CONS. DIV. DIST. DIV. DIST. 3 9 OF CONS. DIV. DIST. 3 9 OF CONS. DIV. DIST. 3 9 OF
5 Alternative Method:  Submittal of an exception request is re-	gured. Exceptions must be submitted to the Santa Fe Environ	

Federing: Subsection D of 19 15 17.11 NMAC (Applies to permanent pit, temporary pits, and below-grade tanks)  Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church)  Four foot height, four strands of barbed wire evenly spaced between 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  X Signed in compliance with 19 15 3 103 NMAC			
Administrative Approvals 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:  Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval  Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	deration of app	oroval	
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. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.			
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.  - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	Yes	□No	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other 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.	Yes	No	
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)  - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	∐NA		
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.  (Applied to permanent pits)  - Visual inspection (certification) of the proposed site; Aerial photo, Satellite image	☐Yes ☐NA	□No	
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, 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 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  - Written confirmation or verification from the municipality, Written approval obtained from the municipality	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	
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	

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment 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 (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  Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9			
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC			
Design Plan - based upon the appropriate requirements of 19 15 17 11 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 15 17 9 NMAC and 19 15 17 13 NMAC			
Previously Approved Design (attach copy of design)  API or Permit Number			
Closed-loop Systems Permit Application Attachment 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  Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19 15 17 9  Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19 15 17 10 NMAC  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  Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9			
NMAC and 19 15 17 13 NMAC			
Previously Approved Design (attach copy of design)  API			
Previously Approved Operating and Maintenance Plan API			
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 (I) 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 Assessmen  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 Plar  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  Fression Control Plan			
Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15.17 13 NMAC			
14   Proposed Closure: 19 15 17 13 NMAC   Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type			
15			
Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of the following items must be attached to the 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 F 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 I of 19.15 17.13 NMAC			
Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17.13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC			
one recommends than - based upon the appropriate requirements of buosecutor of 17 15 17 15 18 18 18 19			

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel	Tanks or Haul-off Bins Only: (19 15 17 13 D NMAC)			
Instructions Please identify the facility or facilities for the disposal of liquids, drilling for are required	uids and drill cuttings. Use attachment if more than two fac	cilities		
Disposal Facility Name	Disposal Facility Permit#			
Disposal Facility Name	Disposal Facility Permit #			
Will any of the proposed closed-loop system operations and associated activities  Yes (If yes, please provide the information No	occur on or in areas that will not be used for future serv	rice and operations?		
Required for impacted areas which will not be used for future service and operations  Soil Backfill and Cover Design Specification - based upon the appropriate  Re-vegetation Plan - based upon the appropriate requirements of Subsection  Site Reclamation Plan - based upon the appropriate requirements of Subsection	on I of 19 15 17 13 NMAC			
Substitution in Substitution and appropriate requirements of Substitution	2000110 0117 15 17 15 1444740			
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 Recsiting criteria may require administrative approval from the appropriate district office or may be consideration of approval. Justifications and/or demonstrations of equivalency are required. Plea	considered an exception which must be submitted to the Santa Fe Ei			
Ground water is less than 50 feet below the bottom of the buried waste	16	Yes No		
- NM Office of the State Engineer - IWATERS database search, USGS Data obtain	ned from nearby wells	∐N/A		
Ground water is between 50 and 100 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - (WATERS database search, USGS, Data obtain	ned from nearby wells	□N/A		
Ground water is more than 100 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - (WATERS database search, USGS, Data obtain	ned from nearby wells	N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark)	ant watercourse or lakebed, sinkhole, or playa lake	Yes No		
- Topographic map, Visual inspection (certification) of the proposed site				
Within 300 feet from a permanent residence, school, hospital, institution, or church in e.  - Visual inspection (certification) of the proposed site, Aerial photo, satellite image	xistence at the time of initial application	Yes No		
	!	Yes No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existe - NM Office of the State Engineer - tWATERS database, Visual inspection (certific	ence at the time of the initial application			
Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978, Section 3-27-3, as amended	•	Yes No		
Written confirmation or verification from the municipality, Written approval obta     Within 500 feet of a wetland	ined from the municipality	∏Yes ∏No		
US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection.	ection (certification) of the proposed site			
Within the area overlying a subsurface mine		Yes No		
- Written confiramtion or verification or map from the NM EMNRD-Mining and M	ineral Division			
Within an unstable area		Yes No		
- Engineering measures incorporated into the design, NM Bureau of Geology & Mi Topographic map	neral Resources, USGS, NM Geological Society,			
Within a 100-year floodplain - FEMA map		Yes No		
18				
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of check mark in the box, that the documents are attached.	f the following items must bee attached to the closure	plan. Please indicate, by a		
Sting 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 F of 19 15 17 13 NMAC				
Construction/Design Plan of Burial Trench (if applicable) based upon the	appropriate requirements of 19 15 17 11 NMAC			
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC				
Protocols and Procedures - based upon the appropriate requirements of 1				
Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC				
Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F 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 cannot be achieved)				
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 I of 19 15 17 13 NMAC  Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC				

Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Print) Title:
Signature Date
e-mail address Telephone
OCD Approval: Permit Application (including closure plan) Closure Plan-(only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date:
Title: Compliance Office OCD Permit Number:
21
Closure Report (required within 60 days of closure completion): Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.
X Closure Completion Date: May 26, 2009
22 Closure Method: Waste Excavation and Removal X On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:  Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were
utilized.  Disposal Facility Name  Disposal Facility Permit Number.
Disposal Facility Name Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliane to the items below)
Required for impacted areas which will not be used for future service and operations.
Site Reclamation (Photo Documentation)
Soil Backfilling and Cover Installation
Re-vegetation Application Rates and Seeding Technique
24 <u>Closure Report Attachment Checklist:</u> Instructions <sup>*</sup> Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.
Proof of Closure Notice (surface owner and division)
Y Proof of Deed Notice (required for on-site closure)
X Plot Plan (for on-site closures and temporary pits)
X Confirmation Sampling Analytical Results (if applicable)
Waste Material Sampling Analytical Results (if applicable)
X Disposal Facility Name and Permit Number  X Soil Backfilling and Cover Installatior
X   Re-vegetation Application Rates and Seeding Technique
X Site Reclamation (Photo Documentation)
On-site Closure Location Latitude 36.88325833 °N Longitude 107.8908889 °W NAD 1927 X 1983
25
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report is ture, 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 Tafoya Title Regulatory Tech
Signature
e-mail address crystal tafoya@conocophillips.com Telephone 505-326-9837

# Burlington Resources Oil Gas Company, LP San Juan Basin Closure Report

Lease Name: LAMBE 1C API No.: 30-045-34503

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144. The temporary pit for this location was constructed and location drilled before June 16, 2008 (effective date for Rule 19.15.17). While closure of the temporary pit did fall within the rule some dates for submittals are after the rig release date.

- Details on Capping and Covering, where applicable. (See report)
- Plot Plan (Pit Diagram) (Included as an attachment)
- Inspection Reports (Included as an attachment)
- Sampling Results (Included as an attachment)
- C-105 (Included as an attachment)
- Copy of Deed Notice will be filed with County Clerk (Not required on Federal, State, or Tribal land as stated by FAQ dated October 30, 2008)

#### **General Plan:**

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

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).

2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.

The pit was closed using onsite burial.

3. The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.

The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.

Provision 4 of the closure plan requirements were not met due to rig move off date as noted on C-105 which was prior to pit rule change. Burlington will ensure compliance with this rule in the future.

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

Notification is attached.

6. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "All" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

Liner of temporary pit was removed above "mud level" after stabilization. Removal of the liner consisted of manually cutting liner at mud level and removing all remaining liner. Care was taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner was disposed of at a licensed disposal facility, (San Juan County Landfill).

7. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve the solidification process. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed a safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part pit contents.

Burlington mixed the Pit contents with non-waste containing, earthen material in order to achieve the solidification process. The solidification process was accomplished by using a combination of natural drying and mechanically mixing. Pit contents were mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio consisted of approximately 3 parts clean soil to 1 part pit contents.

8. A five point composite sample will be taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e., Dig and haul.

A five point composite sample was taken of the pit 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)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	4.9 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	1000 ug/kG
TPH	EPA SW-846 418.1	2500	342 mg/kg
GRO/DRO	EPA SW-846 8015M	500	16.7 mg/Kg
Chlorides	EPA 300.1	1000/500	497 mg/L

9. Upon completion of solidification and testing standards being passed, the pit area will be backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. If standard testing fails BR will dig and haul all contents pursuant to 19.15.17.13.i.a. After doing such, confirmation sampling will be conducted to ensure a release has not occurred.

The pit material passed solidification and testing standards. The pit area was then backfilled with compacted, non-waste containing, earthen material. More than four feet of cover was achieved and the cover included one foot of suitable material to establish vegetation at the site.

10. During the stabilization process if the liner is ripped by equipment the Aztec OCD office will be notified within 48 hours and the liner will be repaired if possible. If the liner can not be repaired then all contents will be excavated and removed.

The integrity of the liner was not damaged in the pit closure process.

11. Dig and Haul Material will be transported to the Envirotech Land Farm located 16 miles south of Bloomfield on Angel Peak Road, CR 7175. Permit # NM010011

Dig and Haul was not required.

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 recontour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Reshaping included 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. Notification will be sent to OCD when the reclaimed area is seeded.

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

14. BR shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

Provision 14 was accomplished through complying with BLM seeding requirements as allowed by the BLM/OCD MOU.

15. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial upon the abandonment of all the wells on the pad. The marker will be flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of all wells on the pad are abandoned. The operator's information will include the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

Provision 15 was accomplished by installing a steel marker in the temporary pit, no less than four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial. The marker is flush with the ground to allow access of the active well pad and for safety concerns. The top of the marker contains a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate contains the following: Operator Name, Lease Name, Well Name and number, Unit Number, Section, Township, Range and an indicator that the marker is an onsite burial location.

The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the following operator's information at the time of all wells on the pad are abandoned. The riser will be labeled: BR, BLM, LAMBE 1C, UL-K, Sec. 21, T 31N, R 10W, API # 30-045-34503

#### Sessions, Tamra D

From: Sessions, Tamra D

Sent: Friday, January 23, 2009 3:27 PM

To: 'mark\_kelly@nm.blm.gov'
Subject: OCD Pit Closure Notification

The temporary pits at the subject wells will be closed on-site. The new OCD Pit Rule 17 requires the surface owner to be notified. Please let me know if you have any questions.

Lambe 1C San Juan 32-7 Unit 37F

Tamra Sessions

Staff Regulatory Technician CONOCOPHILLIPS SJBU 505-326-9834 Fax 599-4062 Tamra.D.Sessions@conocophillips.com DISTRICT 1 1625 H. French Dr., Robbs, N.M. 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005

DISTRICT II 1301 West Grand Avenue, Artesia, N.M. 88210

DISTRICT III 1000 Rio Brasos Rd., Astec, N.M. 87410 OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

DESTRICT IV 1220 S. St. Francis Dr., Santa Fe, 104 87505

☐ AMENDED REPORT

#### WELL LOCATION AND ACREAGE DEDICATION PLAT

Muzaber	Post Codo	*Poid Harrie DAKOTA/BLANCO MESAVERDE
Property Code	Property Name	* Well Number
	LAMBE	10
OGRID No.	Operator Hame	Revetion
	BURLINGTON RESOURCES OIL AND GAS COMP	'ANY LP 6152'

<sup>10</sup> Surface Location UL or lot po. Section Township lot lin Feet from the North/Bouth How Post from the East/Host N'ao County 21 31-N K 10-W 2225 SOUTH 1615 WEST MAUL MAR 11 Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot ldn Feet from the North/South line Rest/West Hae County

UL or lot no. Section fownship Range Let life Feet from the North/South line Feet from the Rest/West line County

Dodicated Acces

318.86 - MV (W2)

318.86 DK (W2)

NO ALLOWARD F. WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERPRETS HAVE BEEN CONSOLDATED

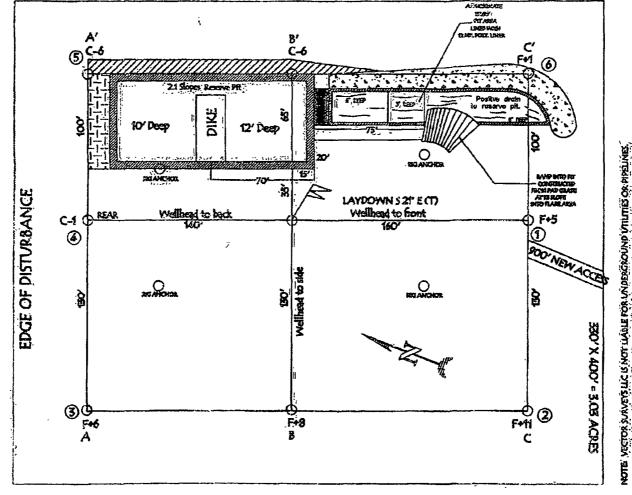
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16		011 11 11011 2111	DAKD ÖMU DAS B		
Lor	4	LOT 3	LOT 2	LOT 1	17 OPERATOR CERTIFICATION  I hereby covery that the information contained hereby is true and compilety to the heat of my hospitality and that this important or the owner of contribution to the information of the information to the information of the informatio
Lor	115A <b>1</b> 144	LOT 6	LOT 7	LOT <sub>.</sub> B	Signature Printed Neme
N 01. 41.22. W W 2883.00	1615'	2 Lor 11	LOT 10	LợT 9	18 SURVEYOR CERTIFICATION  I hereby certify that the west tecesters chosen on this pick toes pinited from freis notes of actual converge mode by the or university of actual converge mode by the or university of the third that the come is true and correct to the best of way belief.  Data of Survey
****	LOT 13	LOT 14	LAT. S652.0820' N. LONG: 10759.4215' W. NAD 1927  LAT. S6.883030' N. LONG: 107.890976' W. NAD 1929  ECT. 16	LOT 16	tegrature and total attractinguis personal.

## BURLINGTON RESOURCES OIL & GAS COMPANY LP LAMBE 1C, 2225' FSL & 1615' FWL

SECTION 21, T31 N, R10W, NMPM, SAN JUAN COUNTY, NM GROUND ELEVATION: 6152', DATE: SEPTEMBER 14, 2007



PIPLINES OR CABLES ON WIDL: PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

CONTRACTOR SHOWD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR LINIMARKED BURIED

LATITUPE: 36' 52.9820' N LONGITUPE: 107' 53.4215' W NAD 27

LLOW PTF. OVERFLOW PRPE & ASOVE BOTTOM OF BLOW PIT.



# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #IC	Date Reported:	09-02-08
Laboratory Number:	46928	Date Sampled:	08-25-08
Chain of Custody No:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Extracted:	08-28-08
Preservative:		Date Analyzed:	08-29-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	1.3	0.2
Diesel Range (C10 - C28)	15.4	0.1
Total Petroleum Hydrocarbons	16.7	0.2

ND - Parameter not detected at the stated detection limit.

References: Metho

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

SW-846, USEPA, December 1996.

Comments:

**Drilling Pit Sample** 

Analyst

Review



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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C Background	Date Reported:	09-02-08
Laboratory Number:	46929	Date Sampled:	08-25-08
Chain of Custody No:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Extracted:	08-28-08
Preservative:		Date Analyzed:	08-29-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	0.3	0.2
Diesel Range (C10 - C28)	4.2	0.1
Total Petroleum Hydrocarbons	4.5	0.2

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

**Drilling Pit Sample** 

Analyst

Review

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	08-29-08 QA/QC	Date Reported:	09-02-08
Laboratory Number:	46921	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-29-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	9.8776E+002	9.8816E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9007E+002	9.9047E+002	0.04%	0 - 15%

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

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	3.4	3.2	5.9%	0 - 30%
Diesel Range C10 - C28	239	238	0.7%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	3.4	250	248	98.0%	75 - 125%
Diesel Range C10 - C28	239	250	482	98.6%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 46916 - 46917, 46921 - 46923, 46927 - 46929, 46941, and 46942.

Analyst



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C	Date Reported:	09-02-08
Laboratory Number:	46928	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Analyzed:	08-29-08
Preservative:		Date Extracted:	08-28-08
Condition:	Intact	Analysis Requested:	BTEX

		Det.
Davamatav	Concentration	Limit
Parameter	(ug/Kg)	(ug/Kg)
Benzene	4.9	0.9
Toluene	126	1.0
Ethylbenzene	47.0	1.0
p,m-Xylene	659	1.2
o-Xylene	165	0.9
Total BTEX	1.000	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

**Drilling Pit Sample** 

Analyst

Mustum Weeters Review



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C Background	Date Reported:	09-02-08
Laboratory Number:	46929	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Analyzed:	08-29-08
Preservative:		Date Extracted:	08-28-08
Condition:	Intact	Analysis Requested:	BTEX
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	7.3	0.9
Toluene	7.3 6.1	1.0
Ethylbenzene	2.4	1.0
p,m-Xylene	2.9	1.2
o-Xylene	6.6	0.9
Total BTEX	25.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

**Drilling Pit Sample** 

Analyst

Mustum Westers
Review



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID <sup>.</sup>	N/A 08-29-BT QA/QC	Project #: Date Reported:	N/A 09-02-08
Laboratory Number:	46921	Date Sampled.	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-29-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	il-Cal RF:	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect.
Benzene	8.2012E+007	8 2177E+007	0.2%	ND	0.1
Toluene	6 3194E+007	6 3321E+007	0.2%	ND	0.1
Ethylbenzene	5 0415E+007	5 0516E+007	0.2%	ND	0.1
p,m-Xylene	1 0368E+008	1 0389E+008	0.2%	ND	0.1
o-Xylene	4 8333E+007	4 8430E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	uplicate	%Diff.	Accept Range	Detect. Limit
Benzene	2.9	2.6	10.3%	0 - 30%	0.9
Toluene	8.6	8.1	5.8%	0 - 30%	1.0
Ethylbenzene	11.2	11.1	0.9%	0 - 30%	1.0
p,m-Xylene	29.4	27.3	7.1%	0 - 30%	1.2
o-Xylene	6.9	6.7	2.9%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	2.9	50.0	52.5	99.2%	39 - 150
Toluene	8.6	50.0	56.6	96.6%	46 - 148
Ethylbenzene	11.2	50.0	58.2	95.1%	32 - 160
p,m-Xylene	29.4	100	123	95.3%	46 - 148
o-Xylene	6.9	50.0	51.9	91.2%	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 46921 - 46929 and 46917.

Analyst



#### TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C	Date Reported:	09-03-08
Laboratory Number:	46928	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Analyzed:	09-02-08
Preservative:		Date Digested:	09-02-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.105	0.001	5.0
Barium	16.2	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.384	0.001	5.0
Lead	0.170	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments: **Drilling Pit Sample.** 

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#### TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C Background	Date Reported:	09-03-08
Laboratory Number:	46929	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Analyzed:	09-02-08
Preservative:		Date Digested:	09-02-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.055	0.001	5.0
Barium	9.82	0.001	100
Cadmium	0.005	0.001	1.0
Chromium	0.304	0.001	5.0
Lead	0.203	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.002	0.001	1.0
Silver	ND	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References:

Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmision

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

**Drilling Pit Sample.** 

Analyst

5796 U.S. Highway 64 • Farmington, NM 87401 • Tel 505-632-0615 • Fax 505-632-1865



## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:		QA/QC		Project #:			QA/QC
Sample ID:		09-02 TM (	QA/AC	Date Repo	orted:		09-03-08
Laboratory Number:		46887		Date Sam	pled:		N/A
Sample Matrix:		Soil		Date Rece	eived:		N/A
Analysis Requested:		Total RCR/	A Metals	Date Anal	yzed:		09-02-08
Condition:		N/A		Date Dige	ested:		09-02-08
Blank & Duplicate	17.770 4.000 4.004	Method	Detection	on Sample	Duplicate		Acceptance
Conc. (mg/Kg)					Duplicate	Diff.	Range
Arsenic	ND	ND	0.001	0.114	0.111	2.7%	0% - 30%
Barium	ND	ND	0.001	24.0	23.8	0.8%	0% - 30%
Cadmium	ND	ND	0.001	0.001	0.001	8.3%	0% - 30%
Chromium	ND	ND	0.001	0.377	0.375	0.5%	0% - 30%
Lead	ND	ND	0.001	0.326	0.325	0.3%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.010	0.008	22.7%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
(C-:II-C		Calla	n Cara	e Spiked	Percent		A contoro
Spike Conc. (mg/Kg)		Spike Added	Sampl	e Spiked Sample	200 Kilomin - Children	- A A A A	Acceptance Range
Conc. (mg/(g)		Added		Campic	Transfer and the second	dalan in Sun a Summer W.	Kango
Arsenic		0.250	0.114	0.332	91.3%		80% - 120%
Barium		0.500	24.0	23	94.6%		80% - 120%
Cadmium		0.250	0.001	0.268	107%		80% - 120%
Chromium		0.500	0.377	0.827	94.3%		80% - 120%
Lead		0.500	0.326	0.809	98.0%		80% - 120%
Mercury		0.100	ND	0.091	90.5%		80% - 120%
Selenium		0.100	0.010	0.112	102%		80% - 120%

ND - Parameter not detected at the stated detection limit.

Silver

References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.

SW-846, USEPA, December 1996.

0.100

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emmission

0.097

96.9%

80% - 120%

Spectorscopy, SW-846, USEPA, December 1996.

ND

Comments: QA/1QC for Samples 46887 - 46894 and 46928 - 46929.

Analyst Re



#### **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C	Date Reported:	09-03-08
Laboratory Number:	46928	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil Extract	Date Extracted:	08-27-08
Preservative:		Date Analyzed:	08-28-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	6.93	s.u.		
Conductivity @ 25° C	1,330	umhos/cm		
Total Dissolved Solids @ 180C	840	mg/L		
Total Dissolved Solids (Calc)	892	mg/L		
SAR	7.2	ratio		
Total Alkalinity as CaCO3	81.0	mg/L		
Total Hardness as CaCO3	225	_		
Total Hardness as CaCO3	225	mg/L		
Bicarbonate as HCO3	81.0	mg/L	1.33	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.100	mg/L	0.00	meq/L
Nitrite Nitrogen	0.001	mg/L	0.00	meq/L
Chloride	497	mg/L	14.02	meq/L
Fluoride	0.222	mg/L	0.01	meq/L
Phosphate	0.900	mg/L	0.03	meq/L
Sulfate	12.8	mg/L	0.27	meq/L
Iron	0.215	mg/L	0.01	meq/L
Calcium	40.6	mg/L	2.03	meq/L
Magnesium	30.2	mg/L	2.49	meq/L
Potassium	10.8	mg/L	0.28	meq/L
Sodium	250	mg/L	10.88	meq/L
Cations			15.67	meq/L
Anions			15.66	meq/L
Cation/Anion Difference			0.09%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Drilling Pit Sample.

Analyst

/ Musturn Westers Review



#### **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C Background	Date Reported:	09-03-08
Laboratory Number:	46929	Date Sampled:	08-25-08
Chain of Custody:	4984	Date Received:	08-26-08
Sample Matrix:	Soil Extract	Date Extracted:	08-27-08
Preservative:		Date Analyzed:	08-28-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
рН	6.02	s.u.		
Conductivity @ 25° C	135	umhos/cm		
Total Dissolved Solids @ 180C	72.0	mg/L		
Total Dissolved Solids (Calc)	75.5	mg/L		
SAR	1.8	ratio		
Total Alkalinity as CaCO3	47.0	mg/L		
Total Hardness as CaCO3	18.5	mg/L		
Bicarbonate as HCO3	47.0	mg/L	0.77	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meg/L
Nitrate Nitrogen	5.89	mg/L	0.10	meq/L
Nitrite Nitrogen	4.23	mg/L	0.09	meq/L
Chloride	2.38	mg/L	0.07	meq/L
Fluoride	1.30	mg/L	0.07	meq/L
Phosphate	4.92	mg/L	0.16	meq/L
Sulfate	2.96	mg/L	0.06	meq/L
Iron	2.90	mg/L	0.10	meq/L
Calcium	4.79	mg/L	0.24	meq/L
Magnesium	1.59	mg/L	0.13	meq/L
Potassium	0.850	mg/L	0.02	meq/L
Sodium	18.1	mg/L	0.79	meq/L
Cations			1.28	meq/L
Anions			1.31	meq/L
Cation/Anion Difference			2.08%	

Reference: U.S.E.P.A., 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: Drilling Pit Sample.

Analyst

Muster Muchen



#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C	Date Reported:	09-02-08
Laboratory Number:	46928	Date Sampled:	08-25-08
Chain of Custody No:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Extracted:	08-29-08
Preservative:		Date Analyzed:	08-29-08
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

**Total Petroleum Hydrocarbons** 

342

5.0

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:

**Drilling Pit Sample.** 

Analyst

Mustre of Walter Review



#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Lambe #1C Background	Date Reported:	09-02-08
Laboratory Number:	46929	Date Sampled:	08-25-08
Chain of Custody No:	4984	Date Received:	08-26-08
Sample Matrix:	Soil	Date Extracted:	08-29-08
Preservative:		Date Analyzed:	08-29-08
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

**Total Petroleum Hydrocarbons** 

28.2

5.0

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:

Drilling Pit Sample.

Analyst

Review Malter



# EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Pr	roject#:	N/A
Sample ID:	QA/QC	Da	ate Reported:	09-02-08
Laboratory Number:	08-29-TPH.QA/Q0	C 46921 Da	ate Sampled:	N/A
Sample Matrix:	Freon-113	Da	ate Analyzed:	08-29-08
Preservative:	N/A	. Da	ate Extracted:	08-29-08
Condition:	N/A	Ar	nalysis Needed:	TPH
Calibration	, [-cal Date` , , , , , , , , , , , , , , , , , , ,	, i-Cal⊪RF: ∫ ; 1,680	Ĉ-Cal RF:	erence Accept Range 4.2% +/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	16.1

Duplicate Conc. (mg/Kg)	£ 1	1	in	÷.,	,	Sample	Duplicate,	% Difference	Accept. Range
TPH	**			•		537	497	7.5%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	537	2,000	2,220	87.5%	80 - 120%

ND = Parameter not detected at the stated detection limit.

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

and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 46921 - 46926 and 46928 - 46929.

Analyst

Mustin m Waeten
Review

Submit To Appropriate Two Copies District I	riate District O	ffice	Fne	State of New Mexico Energy, Minerals and Natural Resources						Form C-105 July 17, 2008					
1625 N French Dr District II	, Hobbs, NM	38240	Liiv	Energy, winerais and reactive resources						1. WELL API NO.					
1301 W Grand Ave	enue, Artesia,	NM 88210		Oi	l Conserva	tion	Divisi	on		30-045-34503 2. Type of Lease					
1000 Rio Brazos Ri District IV	d , Aztec, NM	87410		123	20 South S	t. Fra	ancis I	Or.		2. Type of Lease  ☐ STATE ☐ FEE ☒ FED/INDIAN					
1220 S St Francis	Dr <sub>'</sub> , Santa Fe,	NM 87505			Santa Fe, 1	NM 8	87505			3 State Oil 8 SF-03187	& Gas	Lease No.			
WELL (	COMPLE	TION O	R RECC	MPL	ETION RE	POF	RT AN	D LOG			22	D2.25			.2345
4. Reason for file										5. Lease Nam					
COMPLET	ION REPOI	RT (Fill in bo	xes #1 throu	gh #31	for State and Fe	e wells	only)			Lambe 6. Well Num	her				
C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17 13.K NMAC)									1C	oci.					
7. Type of Comp		VORKOVER	. □ DEEPI	ENING	□PLUGBAC	к 🗆 і	DIFFERE	ENT RESERV	OIF	R OTHER					
8 Name of Opera	ator									9 OGRID					
Burlington R		Oil Gas C	Company,	LP			·	<u> </u>		14538 11 Pool name	e or Wi	ldcat			
PO Box 4298, Fa		M 87499													
12.Location Surface:	Unit Ltr	Section	Towns	hip	Range	Lot		Feet from t	he	N/S Line	Feet	from the	E/W Lır	ne	County
BH:		-									<u> </u>		ļ		
13 Date Spudde	d 14 Date	T D Reache	d [15.1	Date Rig	g Released		116	Date Compl	letec	(Ready to Pro-	duce)	1 17	Elevatio	ns (DF	and RKB,
			5/17	/2008							•	R	T, GR, etc	)	
18 Total Measur	red Depth of	Well	19.1	olug Ba	ck Measured De	pth	20	). Was Direct	iona	al Survey Made	7	21. Typ 	e Electric	and Ot	her Logs Run
22. Producing In	terval(s), of t	his completion	on - Top, Bo	ttom, N	ame		_								
23.				CAS	ING REC	ORI			rin						
CASING SI	ZĖ	WEIGHT	LB /FT		DEPTH SET		Н	OLE SIZE		CEMENTIN	IG RE	CORD	AMO	TMUC	PULLED
															- "
				ļ .				•							
24.				LIN	ER RECORD				25	<u></u>	TUBI	NG REC	ORD		
SIZE	TOP		BOTTOM	Dir	SACKS CEM	1ENT	SCREE	SCREEN SIZ				EPTH SET		PACKI	ER SET
								·							
26. Perforation	record (inte	rval. size. and	d number)				27 A(	CID SHOT	FR	ACTURE, CI	EMEN	IT. SOU	EEZE. E	TC.	<del>"</del>
		,						I INTERVAL		AMOUNT					
										+.		inc.			
							ļ			<del> </del>		<del></del>			
28.						PRO	ODUC	CTION							
Date First Produ	ction	Pro	duction Met	hod (Fl	lowing, gas lift, p	oumpin	ıg - Sıze a	and type pump	)	Well Statu	is (Pro	d or Shut	-ın)		
Date of Test	Hours T	ested	Choke Size	;	Prod'n For Test Period		Oıl - B	bl	Ga	as - MCF		ater - Bbl		Gas - C	Oil Ratio
Flow Tubing Press	Casing	Pressure	Calculated Hour Rate	24-	Oıl - Bbl		Ga	s - MCF	 	Water - Bbl		Oil Gra	nvity - API	- (Cor	r)
29 Disposition o	of Gas <i>(Sold</i> ,	used for fuel	vented, etc	)	1						30	Test Witne	essed By		
31 List Attachm	ients											-,-			
32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.															
33 If an on-site burial was used at the well, report the exact location of the on-site burial.															
Latitude 36.88325833°N Longitude 107.89088889°W NAD 1927 1983  I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief															
I hereby certification Signature		,	on shown Joya	Pri	th sides of this inted me Crystal	-		-					dge and 2010		
1	E-mail Address crystal.tafoya@conocophillips.com														

## ConocoPhillips

Pit Closure Form:
Date: 5/26/2009
Well Name: hambe 1C
Footages: 2225 FSL 1615 FWL Unit Letter: K
Section: 21, T-31-N, R-10-W, County: 53 State: NM
Contractor Closing Pit: Acc
v 7
Construction Inspector: Norman Faver Date: 5/26/2009
Inspector Signature:

#### Tafoya, Crystal

From: Silverman, Jason M < Jason.M.Silverman@conocophillips.com>

Sent: Wednesday, May 20, 2009 11:58 AM

To: Brandon.Powell@state.nm.us < Brandon.Powell@state.nm.us >: Mark Kelly

<Mark\_Kelly@blm.gov>; Robert Switzer <Robert Switzer@blm.gov>; Sherrie Landon

<Sherrie Landon@blm.gov>

Cc: 'acedragline@yahoo.com' <acedragline@yahoo.com>; Becker, Joey W

<Joe.W.Becker@conocophillips.com>; Bonilla, Amanda <Amanda Bonilla@conocophillips.com>; Bowker, Terry D <Terry.D.Bowker@conocophillips.com>: Busse. Dollie L <Dollie L. Busse@conocophillips.com>; Chavez, Virgil E

<Virgil.E.Chavez@conocophillips.com>; Gordon Chenault <qordon@ccinm.com>; GRP:SJBU

Production Leads <SJBUProductionLeads@conocophillips.com>; Hockett, Christy R

<Christy.R.Hockett@conocophillips.com>; KENDAL BASSING <Kendal.R.Bassing@conocophillips.com>; Kennedy, Jim R

<JIM.R.Kennedy@conocophillips.com>; Larry Thacker < Ithackerccinm@hotmail.com>; Lopez,

Richard A <Richard A.Lopez@conocophillips.com>: Loudermilk, Jerry L

`<Jerry.L.Loudermilk@conocophillips.com>; Nelson, Terry J

<Terry.J.Nelson@conocophillips.com>; O'Nan, Mike J. <Mike.J.O'Nan@conocophillips.com>;

Peace, James T < James. T. Peace@conocophillips.com>; Pierce, Richard M

<Richard.M.Pierce@conocophillips.com>; Poulson, Mark E <Mark.E.Poulson@conocophillips com>; Richards, Brian <Brian.Richards@conocophillips.com>; Silverman, Jason M

<Jason.M.Silverman@conocophillips.com>, Smith, Randall O

<Randy.O.Smith@conocophillips.com>; Stamets, Steve A

<Steve.A.Stamets@conocophillips.com>; Work, Jim A <Jim.A.Work@conocophillips.com>;

Art Sanchez <art9sranch@msn.com>; Faver Norman (faverconsulting@yahoo.com)

<faverconsulting@yahoo.com>; Jared Chavez <jared\_chavez@live.com>; Scott Smith
<harleysmith\_99@yahoo.com>; Smith Eric (sconsulting.eric@gmail.com)

<sconsulting.eric@gmail.com>; Stan Mobley <kyvekasm@qwestoffice.net>; Terry Lowe <loweconsulting@msn.com>; Blair, Maxwell O <Maxwell.O.Blair@conocophillips.com>;

Blakley, Mac < Maclovia. Blakley@conocophillips.com>; Clark, Joni E

<Joni E.Clark@conocophillips.com>; Cornwall, Mary Kay <Mary.K.Cornwall@conocophillips.com>; Farrell, Juanita R <Juanita.R.Farrell@conocophillips.com>: Greer, David A <David.A.Greer@conocophillips.com>; Maxwell, Mary Alice <Mary.A.Maxwell@conocophillips.com>; McWilliams, Peggy L <Peggy.L.McWilliams@conocophillips.com>; Seabolt, Elmo F

<Elmo.F.Seabolt@conocophillips.com>

Subject:

Reclamation Notice: Lambe 1C

Importance: High

Attachments: Lambe 1C.pdf

Ace Services will move a tractor to the Lambe 1C on Saturday, May 23rd, 2009 to start the Reclamation Process.

Please contact Norm Faver (320-0670) if you have any questions or need further assistance.

Thanks, Jason Silverman

### Burlington Resources Well- Network #10204580

San Juan County, NM:

Lambe #1C- BLM surface / BLM minerals

2225' FSL, 1615' FWL

Sec. 21, T31N, R10W

Unit Letter 'K'

Lease #: USA NM-03187

API #: 30-045-34503

Latitude: 36° 52'58.93680 N (NAD 83)

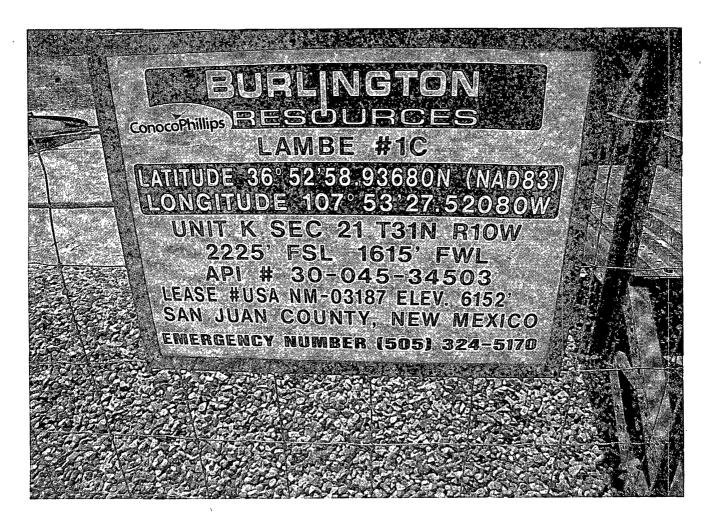
Longitude: 107° 53'27.52080 W

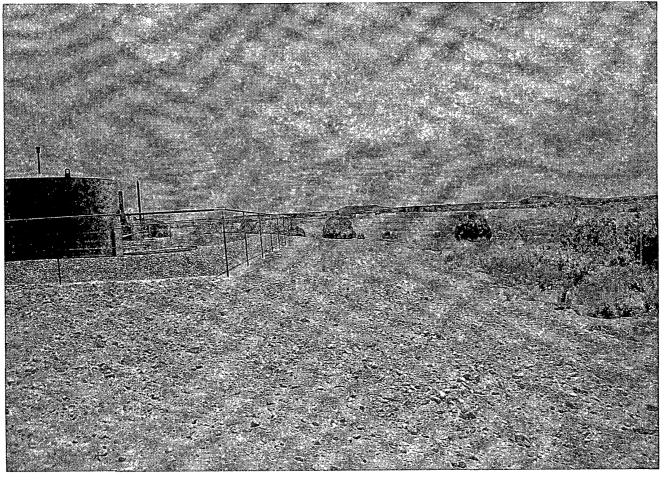
Elevation: 6152'

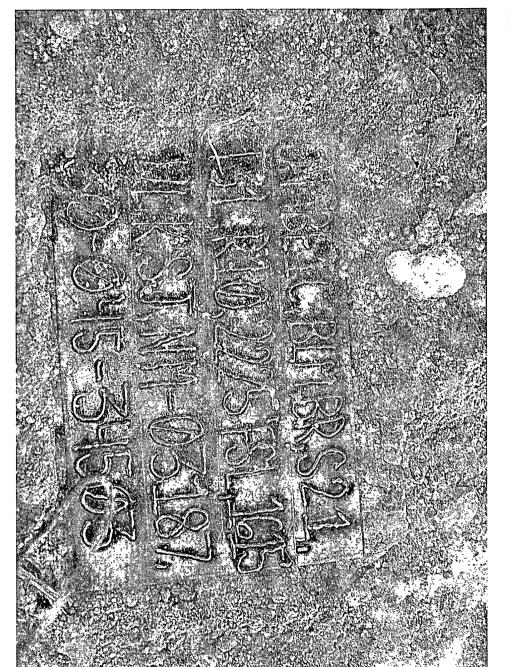
Jason Silverman ------Construction Technician
ConocoPhillips Company - SJBU
Construction Department
P.O. Box 4289
Farmington, NM 87499-4289
505-326-9821
Jason.M.Silverman@ConocoPhillips.com

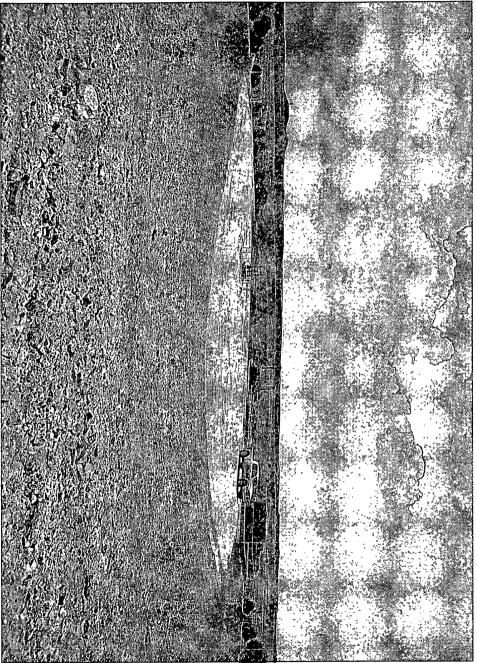
# ConocoPhillips O

Reclamation Form:	
Date: 6/23/2009	·
Well Name: Lambe	10
Footages: 2225 F.	SL 1615 FWL Unit Letter: K
Section: 21 , T-31 -	N, R-10-W, County: S3 State: NM
Reclamation Contractor:	Ace
Reclamation Date:	6/8/2009
Road Completion Date:	6/8/2009
Seeding Date:	6/21/2009
Construction Inspector:	Norman Faver Date: 6/23/2009
Inspector Signature:	Mount to









### WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: Lamb #1C

API#: 30-045-34503

DATE	INSPECTOR	SAFETY CHECK	LOCATION	PICTURES TAKEN	COMMENTS
		ļ <u> </u>	CHECK		
4/17/08	Johnny R.	Х	X	X	
	McDonald				
4/28/08	Jared Chavez				Aztec rig 184 is on location
5/14/08	Jared Chavez				Aztec Rig #184 is on location
5/30/08	Jared Chavez	Х	Х	Х	Liner has holes and 1 rig tear, fence needs tightened, called MVCI, called Brandon with OCD
6/5/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
6/12/08	Jared Chavez	Х	Х	Х	Wood pallets need picked up from top of location, called MVCI
6/19/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
6/25/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
7/2/08	Jared Chavez	Х	Х	X	Pit and location in good condition
7/16/08	Jared Chavez	Х	Х	Х	Fence needs tightened, called Crossfire
7/19/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
7/30/08	Jared Chavez				Drake rig #24 is on location
8/6/08	Jared Chavez				Drake rig #24 is on location
8/12/08	Jared Chavez				Drake rig #24 is on location
8/20/08	Jared Chavez	X	X	Х	Pit and location in good condition
9/3/08	Jared Chavez	X	X	Х	Fence needs tightened, contacted Crossfire for repairs
9/17/08	Jared Chavez	Х	X	Х	Pit and location in good condition
9/22/08	Jared Chavez	Х	X	Х	Pit and location in good condition
10/8/08	Jared Chavez	Х	X	Х	Pit and location in good condition

10/17/08	Jared Chavez	Х	X	X	Pit and location in good condition	
10/24/08	Jared Chavez	Х	Х	X	Pit and location in good condition	•
11/7/08	Jared Chavez	Х	Х	Х	Pit and location in good condition	
12/1/08	Jared Chavez	Х	Х	Х	Pit and location in good condition	
12/4/08	Jared Chavez	Х	Х	X	Pit and location in good condition	
12/11/08	Jared Chavez	Х	Х	Х	Pit and location in good condition	
12/18/08	Jared Chavez	Х	Х	X	Pit and location in good condition	
1/15/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
1/22/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
1/29/09	Jared Chavez	Χ .	Х	Х	Pit and location in good condition	
2/12/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
2/19/09	Jared Chavez	Х	X	Х	Pit and location in good condition	
2/26/09	Jared Chavez	Х	Х	Х	Pit has trash in it, contacted Crossfire for removal	
3/5/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
3/12/09	Jared Chavez	X	Х	Х	Pit and location in good condition	
3/20/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
3/27/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
4/7/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
4/21/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
4/28/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
5/5/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
5/18/09	Jared Chavez	Х	Х	Х	Pit and location in good condition	
5/26/09	N. Faver			1	Pit is Closed	
5/27/09	Jared Chavez				Location is being reclaimed	

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