1625 N French Dr , Hobbs, NM 88240 District II

1301 W Grand Ave , Artesia, NM 88210 District III 1000 Rio Brazos Rd , Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade

Form C-144

tanks, submit to the appropriate NMOCD District Office

For permanent pits and exceptions submit to the Santa Fe

District IV 1220 S St Francis Dr , Santa Fe, NM 87505	Environmental Bureau office and provide a copy to the appropriate NMOCD District Office
Pit, Closed-Loop System, Below-C	
Proposed Alternative Method Permit or C	Closure Plan Application
Type of action: Permit of a pit, closed-loop system, below-gr  X Closure of a pit, closed-loop system, below-gr	
☐ Modification to an existing permit ☐ Closure plan only submitted for an existing p below-grade tank, or proposed alternative me	permitted or non-permitted pit, closed-loop system, ethod
Instructions: Please submit one application (Form C-144) per individual pit, cl.  Please be advised that approval of this request does not relieve the operator of liability should operate environment. Nor does approval relieve the operator of its responsibility to comply with any other application.	nons result in pollution of surface water, ground water or the
Operator: Burlington Resources Oil & Gas Company, LP	OGRID#: 14538
Address: P.O. Box 4289, Farmington, NM 87499	
Facility or well name: HUERFANO UNIT 305	
API Number: 30-045-34639 OCD Permit N	Number
U/L or Qtr/Qtr: F(SE/NW) Section: 33 Township: 26N Range:	9W County: San Juan
Center of Proposed Design: Latitude: 36.445155 °N Longitude.	107.798447 °W NAD: 1927 X 1983
Surface Owner: X Federal State Private Tribal Trust or	Indian Allotment
X Pit: Subsection F or G of 19.15 17 11 NMAC     Temporary	HDPE PVC Other  4400 bbl Dimensions L 65' x W 45' x D 10'
notice of intent)	lies to activities which require prior approval of a permit or
Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE Liner Seams: Welded Factory Other	NA A SO
Below-grade tank: Subsection I of 19.15 17 11 NMAC  Volume bbl Type of fluid.  Tank Construction material	RECEIVED    JAN 2010     OIL CONS. DIV. DIST. 3
Secondary containment with leak detection Visible sidewalls, liner, 6-inch lift an Visible sidewalls and liner Visible sidewalls only Other  Liner Type: Thickness mil HDPE PVC Other	and automatic overflow shut-off

Form C-144

Alternative Method:

Oil Conservation Division

Submittal of an exception request is required Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

Page 1 of 5



Fencing: 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 wilhin 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 consitering (Fencing/BGT Liner)  Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval	ideration 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.  (Applies to temporary, emergency, or cavitation pits and below-grade tanks)	∏Yes	No		
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	````			
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	Yes	No		
Society, Topographic map  Within a 100-year floodplain  - FEMA map	Yes	□No		

Form C-144 Oil Conservation Division Page 2 of 5

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					
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					
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 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  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  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					
Proposed Closure: 19 15.17.13 NMAC  Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.  Type. Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System Alternative  Proposed Closure Method Waste Excavation and Removal  Waste Removal (Closed-loop systems only) On-site Closure Method (only for temporary pits and closed-loop systems) In-place Burial On-site Trench Burial Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)					
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					
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15.17 13 NMAC					

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16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee	el 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 are required.		ılıtıes		
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	s occur on or in areas that will not be used for future serv	ice 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 Plan - based upon the appropriate requirements.	tion I of 19 15 17 13 NMAC	,		
17  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 Resiting criteria may require administrative approval from the appropriate district office or may be consideration of approval Justifications and/or demonstrations of equivalency are required Pl	ecommendations of acceptable source material are provided below l e considered an exception which must be submitted to the Santa Fe Er			
Ground water is less than 50 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - IWATERS database search, USGS Data obtain	ained 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 - iWATERS database search, USGS, Data obta	uned 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 - IWATERS database search, USGS, Data obta	aned from nearby wells	□N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signifi (measured from the ordinary high-water mark)	icant watercourse or lakebed, sınkhole, 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 - Visual inspection (certification) of the proposed site, Aerial photo, satellite imag	• • • • • • • • • • • • • • • • • • • •	∐Yes ∐No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exis		YesNo		
- NM Office of the State Engineer - IWATERS database, Visual inspection (certification)				
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended		☐Yes ☐No		
- Written confirmation or verification from the municipality; Written approval ob	tained from the municipality	∏Yes ∏No		
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual ins	pection (certification) of the proposed site	Lies Line		
Within the area overlying a subsurface mine		Yes No		
- Written confiramtion or verification or map from the NM EMNRD-Mining and	Mineral Division			
Within an unstable area		Yes No		
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; N</li> <li>Topographic map</li> </ul>	Ameral Resources, USGS, NM Geological Society,			
Within a 100-year floodplain - FEMA map		Yes No		
On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each check mark in the box, that the documents are attached.	of the following items must bee attached to the closure	plan. Please indicate, by a		
Siting Criteria Compliance Demonstrations - based upon the appropriat	e 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 19 15 17 13 NMAC				
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 requirement		the extense D		
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				

Form C-144 Oil Conservation Division Page 4 of 5

Operator Application Certification:  Thereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and helief
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.
20
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)
OCD Representative Signature:  Approval Date: 4/14/2011
Title: OM Mance VOHice Och Permit Number:
21 Closure Report (required within 60 days of closure completion): Subsection K of 19 15 17 13 NMAC
Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. 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: December 5, 2008
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
Closure Report Attachment Checklist: Instructions: 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.
Yroof of Closure Notice (surface owner and division)
X   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 Installation  X Re-vegetation Application Rates and Seeding Technique
X Site Reclamation (Photo Documentation)
On-site Closure Location Latitude: 36.444995 °N Longitude 107.798377 °W NAD 1927 X 1983
Off-site Closure Escation Editate. So.447995 IN Eoriginate 1977/90971 W. 1715 1927
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
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.
the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.  Name (Print) Title Regulatory Technician
the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

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

Lease Name: HUERFANO UNIT 305

API No.: 30-045-34639

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	17.1 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	608 ug/kG
TPH	EPA SW-846 418.1	2500	157 mg/kg
GRO/DRO	EPA SW-846 8015M	500	24.8 mg/Kg
Chlorides	EPA 300.1	1000/500=	303 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, HUERFANO UNIT 305, UL-F, Sec. 33, T 26N, R 9W, API # 30-045-34639

#### Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Thursday, October 16, 2008 10:55 AM

To: Subject: 'mark\_kelly@nm.blm.gov' Surface Owner Notification

The following locations temporary pit will be closed on-site. Please let me know if you have any questions.

Grambling C 202S

McDurmitt Com 100S

Huerfano Unit 305

Canyon Largo Unit 250N

Federal A 1E

Helms Federal 1G

Thank you,

Crystal L. Tafoya Regulatory Technician ConocoPhillips Company San Juan Business Unit Phone: (505) 326-9837

Email: Crystal.Tafoya@conocophillips.com

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210
<u>District III</u>
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised October 12, 2005 Submit to Appropriate District Office State Lease - 7 Copies Fee Lease - 3 Copies

☐ AMMENDED REPORT

#### <u>District IV</u> 1220 S. St. Francis Dr., Santa Fc, NM 87505

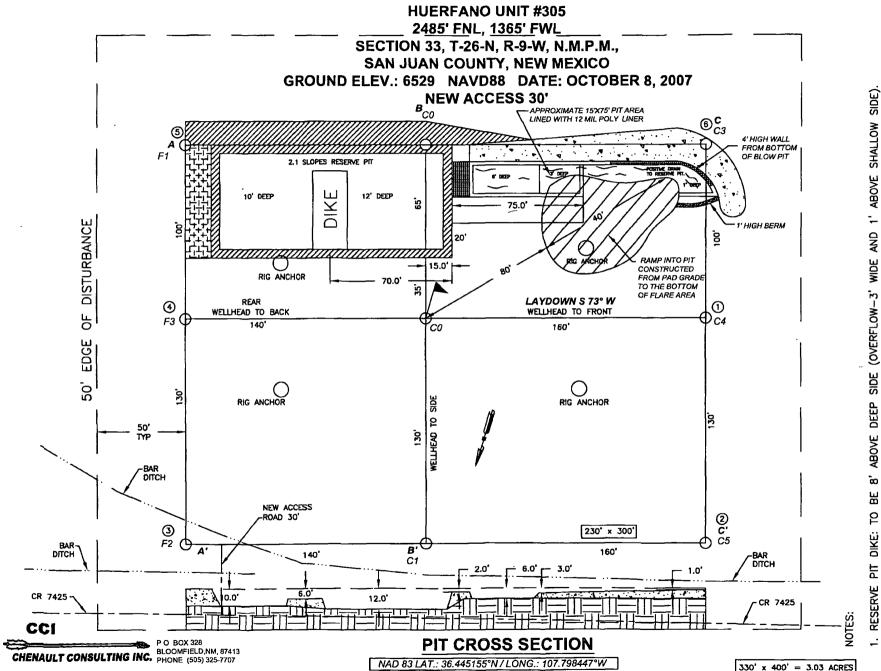
### WELL LOCATION AND ACREAGE DEDICATION PLAT

J 1 Al	PI Number		2	Pool Code		<sup>3</sup> Pool Name BASIN DAKOTA			,
<sup>4</sup> Property Cod	le		<u>-</u>	5 Property Name HUERFANO UNIT			<sup>6</sup> Well Number 305		
OGRID No	р,		Operator Name     BURLINGTON RESOURCES OIL AND GA			8 Operator Name TON RESOURCES OIL AND GAS COMPANY LP			<sup>9</sup> Elevation 6529
					10 SURFACE I	LOCATION			
UL or lot no. F	Section 33	Township 26-N	Range 9-W	Lot ldn	Feet from the 2485	North/South line NORTH	Feet from the 1365	East/West line WEST	County SAN JUAN
			ii E	ottom H	ole Location l	f Different Fro	m Surface		
UL or lot no.	Section	Township	Range		Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320.00	Joint o	or Infill	Consolidation	1 Code	Order No.				<u> </u>

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

2637.4° (M) 2637.4° (R) 2637.4° (R) 2637.4° (M) 8 N 88.28° N 8 N 88.28° N 8 N 88.28° N	5213.6' (M) 5216.0' (R)	OPERATOR CERTIFICATION  I hereby certify that the information contained herein is true and complete to the heat of my knowledge and bettef, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling agreement or a compulsory pooling order heretofore entered by the division
N CON' E N CON' E 2485		Signature  Printed Name  Title and E-mail Address  Date  18 SURVEYOR CERTIFICATION
WELL FLAG NAD 83 LAT: 36.445155° N LONG: 107.798447° W NAD 27 LAT:36°26.708748' N LONG: 107°47.869939' W	-	I hereby certify that the well location shown on this plat was plotted from field notes of exual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief  Date of Survey: 10/08/07 Signature and Seal of Professional Surveyor:  PROADHURG  ME
W/2 DEDICATED ACREAGE SF-078060-A SECTION 33 T-26-N, R-9-W	,	Certificate Number: NM 11393

#### **BURLINGTON RESOURCES OIL AND GAS COMPANY LP**



PRIOR TO CONSTRUCTION. UNMARKED BURIED (2) WORKING DAYS JTILITIES OR PIPELINES.

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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Hueriano Unit 305	Date Reported:	08-23-08
Laboratory Number:	46798	Date Sampled:	08-18-08
Chain of Custody No:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Extracted:	08-20-08
Preservative:	,	Date Analyzed:	08-21-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	4.4	0.2
Diesel Range (C10 - C28)	20.4	0.1
Total Petroleum Hydrocarbons	24.8	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

Mustum Wales
Review

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# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

ConocoPhillips	Project #:	96052-0026
Huerfano Unit 305 Background	Date Reported:	08-23-08
46799	Date Sampled:	08-18-08
4933	Date Received:	08-19-08
Soil	Date Extracted:	08-20-08
	Date Analyzed:	08-21-08
Intact	Analysis Requested:	8015 TPH
	Huerfano Unit 305 Background 46799 4933 Soil	Huerfano Unit 305 Background  46799  Date Reported:  Date Sampled:  Date Received:  Date Extracted:  Date Analyzed:

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

Réview

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# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

#### **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	08-21-08 QA/QC	Date Reported:	08-23-08
Laboratory Number:	46787	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-21-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07 <b>-</b> 07	1.0141E+003	1.0145E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07 <b>-</b> 07	9.9454E+002	9.9493E+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	830	825	0.6%	0 - 30%
Diesel Range C10 - C28	117	113	3.2%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	830	250	1,070	99.1%	75 - 125%
Diesel Range C10 - C28	117	250	360	98.1%	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 46787 - 46791, 46794, and 46796 - 46799.

Analyst



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305	Date Reported:	08-23-08
Laboratory Number:	46798	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Analyzed:	08-21-08
Preservative:		Date Extracted:	08-20-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	17.1	0.9
Toluene	112	1.0
Ethylbenzene	35.1	1.0
p,m-Xylene	349	1.2
o-Xylene	95.2	0.9
Total BTEX	608	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

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

Review



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305 Background	Date Reported:	08-23-08
Laboratory Number:	46799	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Analyzed:	08-21-08
Preservative:		Date Extracted:	08-20-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	0.9
Toluene	3.5	1.0
Ethylbenzene	2.4	1.0
p,m-Xylene	2.1	1.2
o-Xylene	6.3	0.9
Total BTEX	14.3	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	99.0 %
	1,4-difluorobenzene	99.0 %
	Bromochlorobenzene	99.0 %

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

Mostum Weeter Review



## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client <sup>.</sup>	N/A		Project #:		N/A
Sample ID:	08-21-BT QA/QC		Date Reported:		08-23-08
Laboratory Number:	46787		Date Sampled:		N/A
Sample Matrix:	Soil		Date Received:		N/A
Preservative:	N/A		Date Analyzed:		08-21-08
Condition:	N/A		Analysis:		BTEX
Calibration and	I-Cal RF:	C-Cal RF:	%Diff.	Blank	Detect.
Detection Limits (ug/L)	and the state of t	Accept. Rar	nge 0 - 15%	Conc	Limit
Benzene	8 8885E+007	8.9063E+007	0.2%	ND	0.1
Toluene	6.9804E+007	6.9944E+007	0.2%	ND	0.1
Ethylbenzene	5.4515E+007	5.4624E+007	0.2%	ND	0.1
p,m-Xylene	1.1290E+008	1.1313E+008	0.2%	ND	0.1
o-Xylene	5.2304E+007	5.2408E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	ıplicate	%Diff.	Accept Range	Detect. Limit
Benzene	3.7	3.6	2.7%	0 - 30%	0.9
Toluene	20.3	17.3	14.8%	0 - 30%	1.0
Ethylbenzene	5.0	4.7	6.0%	0 - 30%	1.0
p,m-Xylene	148	147	0.2%	0 - 30%	1.2
o-Xylene	25.4	22.3	12.2%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	3.7	50.0	53.3	99.3%	39 - 150
Toluene	20.3	50.0	67.3	95.7%	46 - 148
Ethylbenzene	5.0	50.0	54.6	99.3%	32 - 160
p,m-Xylene	148	100	240	97.1%	46 - 148
o-Xylene	25.4	50.0	74.9	99.3%	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 46787 - 46791, 46794, 46796 - 46799.

Analyst

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#### TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305	Date Reported:	08-25-08
Laboratory Number:	46798	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Analyzed:	08-22-08
Preservative:		Date Digested:	08-20-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.098	0.001	5.0
Barium	74.1	0.001	100
Cadmium	0.001	0.001	1.0
Chromium	0.371	0.001	5.0
Lead	0.543	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.** 

Analyst

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#### TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305 Background	Date Reported:	08-25-08
Laboratory Number:	46799	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Analyzed:	08-22-08
Preservative:		Date Digested:	08-20-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.046	0.001	5.0
Barium	6.64	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.131	0.001	5.0
Lead	0.314	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.** 

Analyst



## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	08-22 TM QA/AC	Date Reported:	08-25-08
Laboratory Number:	46796	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	08-22-08
Condition:	N/A	Date Digested:	08-20-08

Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	%	Acceptance
Conc. (mg/Kg)	Blank (mg/Kg)	Blank	Limit			Diff.	Range
Arsenic	ND	ND	0.001	0.112	0.114	1.3%	0% - 30%
Barium	ND	ND	0.001	45.4	45.4	0.1%	0% - 30%
Cadmium	ND	ND	0.001	0.002	0.002	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.441	0.448	1.6%	0% - 30%
Lead	ND	ND	0.001	0.398	0.411	3.3%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.250	0.112	0.310	85.6%	80% - 120%
Barium	0.500	45.4	45.65	99.5%	80% - 120%
Cadmium	0.250	0.002	0.218	86.5%	80% - 120%
Chromium	0.500	0.441	0.836	88.9%	80% - 120%
Lead	0.500	0.398	0.772	86.1%	80% - 120%
Mercury	0.100	ND	0.096	95.9%	80% - 120%
Selenium	0.100	ND	0.103	103%	80% - 120%
Silver	0.100	ND	0.091	90.8%	80% - 120%

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

Spectorscopy, SW-846, USEPA, December 1996.

Comments: QA/1QC for Samples 46796 - 46799 and 46800 - 46805.

Analyst



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

		<del></del>	
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305	Date Reported:	08-26-08
Laboratory Number:	46798	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil Extract	Date Extracted:	08-20-08
Preservative:		Date Analyzed:	08-21-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
рН	7.33	s.u.		
Conductivity @ 25° C	1,020	umhos/cm		
Total Dissolved Solids @ 180C	740	mg/L		
Total Dissolved Solids (Calc)	642	mg/L		
SAR	2.8	ratio		
Total Alkalinity as CaCO3	93.0	mg/L		
Total Hardness as CaCO3	217	mg/L		
Bicarbonate as HCO3	93.0	mg/L	1.52	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	0.700	mg/L	0.01	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	303	mg/L	8.55	meq/L
Fluoride	0.220	mg/L	. 0.01	meq/L
Phosphate	0.301	mg/L	0.01	meq/L
Sulfate	21.0	mg/L	0.44	meq/L
Iron	0.023	mg/L	0.00	meq/L
Calcium	79.7	mg/L	3.98	meq/L
Magnesium	4.40	mg/L	0.36	meq/L
Potassium	82.0	mg/L	2.10	meq/L
Sodium	94.4	mg/L	4.11	meq/L
Cations			10.54	meq/L
Anions			10.54	meq/L
Cation/Anion Difference			0.02%	

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

Review Westers



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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305 Background	Date Reported:	08-26-08
Laboratory Number:	46799	Date Sampled:	08-18-08
Chain of Custody:	4933	Date Received:	08-19-08
Sample Matrix:	Soil Extract	Date Extracted:	08-20-08
Preservative:		Date Analyzed:	08-21-08
Condition:	Intact		

_ ,	Analytical		<del></del>	
Parameter	Result	Units		
pH	8.03	s.u.		
Conductivity @ 25° C	142	umhos/cm		
Total Dissolved Solids @ 180C	74.0	mg/L		
Total Dissolved Solids (Calc)	75.1	mg/L		
SAR	1.5	ratio		
Total Alkalinity as CaCO3	43.0	mg/L		
Total Hardness as CaCO3	23.4	mg/L		
Bicarbonate as HCO3	43.0	mg/L	0.70	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	1.60	mg/L	0.03	meq/L
Nitrite Nitrogen	4.00	mg/L	0.09	meq/L
Chloride	2.80	mg/L	0.08	meq/L
Fluoride	1.40	mg/L	0.07	meq/L
Phosphate	4.50	mg/L	0.14	meq/L
Sulfate	7.00	mg/L	0.15	meq/L
Iron	0.409	mg/L	0.01	meq/L
Calcium	8.58	mg/L	0.43	meq/L
Magnesium	0.466	mg/L	0.04	meq/L
Potassium	1.50	mg/L	0.04	meq/L
Sodium	17.2	mg/L	0.75	meq/L
Cations			1.27	meq/L
Anions			1.26	meq/L
Cation/Anion Difference			0.76%	

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

Review

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#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305	Date Reported:	08-25-08
Laboratory Number:	46798	Date Sampled:	08-18-08
Chain of Custody No:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Extracted:	08-20-08
Preservative:		Date Analyzed:	08-20-08
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

157

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

Mustum Walters



#### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfano Unit 305	Date Reported:	08-25-08
Laboratory Number:	46799	Date Sampled:	08-18-08
Chain of Custody No:	4933	Date Received:	08-19-08
Sample Matrix:	Soil	Date Extracted:	08-20-08
Preservative:		Date Analyzed:	08-20-08
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

13.6

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 Background.

Analyst

Review Museters



# EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-25-08
Laboratory Number:	08-20-TPH.QA/QC 46796	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-20-08
Preservative:	N/A	Date Extracted:	08-20-08
Condition:	N/A	Analysis Needed:	TPH

Calibration I I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF: 1	Difference	Accept. Range
					+/- 10%

Blank Conc. (mg/Kg)	Concentration ND	Detection Limit	
Dudlicate Conc. (mg/kg)	Šample	Duplicate *** Difference Accen	t. Range

TPH	· ( 0 ,)	26	3.5		1.3%	

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	111	2,000	1,820	86.2%	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 46796 - 46799.

Analyst Review

Submit To Appropi Two Copies	riate District	Office								rm C-105							
District I 1625 N French Dr	, Hobbs, NN	A 88240		Energy, Minerals and Natural Resources  1. WELL API NO.					NO		•	July 17, 2008					
District II 1301 W Grand Av	enue. Artesi	a. NM 8	8210	Oil Conservation Division					30-045-34639								
District III 1000 Rio Brazos R				Oil Conservation Division 1220 South St. Francis Dr.					2. Type of Lease								
District IV 1220 S St Francis			i			Santa Fe, N			וע	•	F	STATE FEE FED/INDIAN  3 State Oil & Gas Lease No					
1220 S St Francis	Dr , Santa r	e, NM 8	17505			Sama PC, 1	41V1 (	37303				SF-078060		Louse III			
		ETIC	ON OR	RECC	MPL	ETION RE	POF	RT AN	D	LOG							
4 Reason for fil	ıng											5 Lease Nam			ment N	Vame	
☐ COMPLET	ION REPO	ORT (F	ill in boxes	#1 throu	gh #31	for State and Fee	e wells	only)				6. Well Numb					
C-144 CLOS #33, attach this a											or	305					
7 Type of Comp	oletion					□PLUGBAC					)ID	OTHER					
8 Name of Opera		WOK	KUVEK L	DEEPE	ENING	LIFLUGBACI	<u>,                                    </u>	DIFFERE	SINI	I KESEK V		9. OGRID		·	<del></del>		
Burlington R	Resource	s Oil	Gas Con	ipany,	LP						4	14538					
10 Address of O PO Box 4298, Fa		NM 87	499									11. Pool name	or W	/ıldcat			
12.Location	Unit Ltr	Se	ction	Towns	hip	Range	Lot		I	Feet from th	e	N/S Line	Fee	t from the	E/W	Line	County
Surface:				ļ					┸		$\perp$				<u> </u>		
BH:	<u> </u>			<u> </u>		<u> </u>											
13 Date Spudde	d   14 Da	ite T D	Reached		Date Rig <b>4/2008</b>	Released		16	6. D	Date Comple	ted	(Ready to Prod	luce)		7. Elev T, GR,		and RKB,
18 Total Measur	red Depth o	of Well		1		k Measured Dep	oth	20	O. N	Was Direction	onal	Survey Made	<del>,</del>			· · ·	ther Logs Run
22. Producing In	terval(s), o	f this co	ompletion -	Top, Bot	ttom, Na	nme								<u> </u>			
23					CAS	ING REC	ORJ	D (Rep	201	rt all stri	'nρ	s set in w	ell)				it.,•1: \***
CASING SI	IZE	WE	EIGHT LB /	FT		DEPTH SET		H	OL	E SIZE		CEMENTIN	G ŔI	CORD	/	AMOUNT	PULLED
							_							-			
							_										
																	<del>-</del> -
SIZE	TOP	<del></del>	T PO	ТТОМ	LIN	ER RECORD SACKS CEM	ENT	SCREE	ZNI		25 SIZ			NG REC		I DACK	ER SET
SIZE	101	<del></del>	150	TTOM		SACKS CLIVI	LIVI	SCICEL	J14	<del></del>	312	<u>L</u>	+-	LITTIGL	-	TACK	LK 3L1
26. Perforation	n record (in	iterval,	size, and nu	mber)							₹R.⁄	ACTURE, CE					
ļ								DEPTE	111	NTERVAL		AMOUNT A	AND	KIND MA	TERIA	AL USED	<del></del>
28								ODUC									
Date First Produ	ction		Produc	tion Met	hod <i>(Fl</i> e	owing, gas lift, p	umpin	g - Size a	ınd	type pump)		Well Status	s (Pre	od. or Shu	(- <i>in)</i>		
Date of Test	Hours	Tested	Ch	Choke Size Prod'n For Oil - Bbl Gas - MCF Test Period				V	Vater - Bb	l.	Gas - 0	Oil Ratio					
Flow Tubing Press	Casıng	g Pressu		e Calculated 24- Oil - Bbl. Gas - MCF Water - Bbl Oil C				Oil Gr	avity -	API - (Coi	rr)						
29 Disposition of	of Gae /Col	d 11800			1								130	Test Witr	Pessed I	3v	
31 List Attachm		u, useu	jor juei, ver	neu, eic.,	,								30.	1 CSL VVIII			
		d -4 4	10. 20.11		4	- leastion of the											
32 If a temporar			,	•													
33 If an on-site	ourial was		-	-		cation of the on- ngitude 107.798				1927 🖾 19	83						
I hereby certi	<i>.</i>	ne info	ormation !	shown	<i>on boti</i> Prii	<i>h sides of this</i> nted	s forn	ı is true	e ai	nd comple	ete				-		f
Signature E-mail Addre		al təfə	ajoy	a ocophil		ne Crystal T	atoy	a Tit	le:	Kegulat	ory	rech I	Jate	: 1/2	6/5	lo/6	
L-man Addit	voo viyot	u1.1a10	y a wycon	reobiiii	προισο	1111											

## ConocoPhillips

Pit Closure Form:
Date: 12/5/08
Well Name: Huerfons 305
Footages: 2485' F/VL, 1365' FWL Unit Letter: F
Section: <u>33</u> , T- <u>26</u> -N, R- <u>9</u> -W, County: <u></u>
Contractor Closing Pit: ACE Services
Construction Inspector: <u>Eric Smith</u> Date: 12/5/08
Inspector Signature:

#### Tafoya, Crystal

From:

Silverman, Jason M

Sent:

Wednesday, November 05, 2008 12:52 PM

To:

Becker, Joey W; Bonilla, Amanda; Bowker, Terry D; Busse, Dollie L; Chavez, Virgil E; GRP:SJBU Production Leads; Kennedy, Jim R; Kramme, Jeff L; Lopez, Richard A; Loudermilk, Jerry L; Nelson, Terry J; O'Nan, Mike J.; Peace, James T; Poulson, Mark E; Richards, Brian; Silverman, Jason M, Stamets, Stephan A; Work, James A; Blair, Maxwell O; Blakley, Maclovia; Clark, Joan E; Cornwall, Mary Kay; Farrell, Juanita R; Greer, David A; Maxwell, Mary Alice; McWilliams, Peggy L; Seabolt, Elmo F; Valencia, Desiree (SOS Staffing

Services, Inc.)

Subject:

FW: Reclamation Notice: Huerfano Unit 305:

Importance: High

Attachments: Huerfano Unit 305.pdf; 1.Huerfano Unit 305 BLM Approved APD.pdf

#### Re-Sending Information

Jason M. Silverman ConocoPhillips-SJBU Construction Tech. (505)326-9821 jason.silverman@conocophillips.com

From: Silverman, Jason M

Sent: Wednesday, November 05, 2008 12:19 PM

To: Brandon.Powell@state.nm.us; Mark Kelly; Robert Switzer; Sherrie Landon

Cc: 'acedragline@yahoo.com'; 'Smith Eric (sconsulting.eric@gmail.com)'; Faver Norm

(faverconsulting@yahoo.com); Becker, Joey W; Bonilla, Amanda; Bowker, Terry D; Chavez, Virgil E; Green, Cary J; GRP:SJBU Production Leads; Kennedy, Jim R; Kramme, Jeff L; Larry Thacker; Lopez, Richard A; Loudermilk, Jerry L; Nelson, Terry J; O'Nan, Mike J.; Peace, James T; Poulson, Mark E; PTRRC; Richards, Brian; Silverman,

Jason M; Stamets, Stephan A; Work, James A Subject: Reclamation Notice: Huerfano Unit 305

Importance: High

#### **ACE SERVICES** will move a tractor to the Huerfano Unit 305

on Monday, November 10th, 2008 to start the reclamation process. Please contact Eric Smith(608-1387) in you have any questions or need additional information.

**Thanks** 

Jason Silverman

Network#:

10217627

Operator:

Burlington Resources

Legals:

2485'FNL, 1365' FWL

Section 33, T26N. R9W Unit Letter 'F' (SE/NW) San Juan County, NM

Lease:

SF-078060-A

**API** #:

30-045-34639

Surface/Minerals:

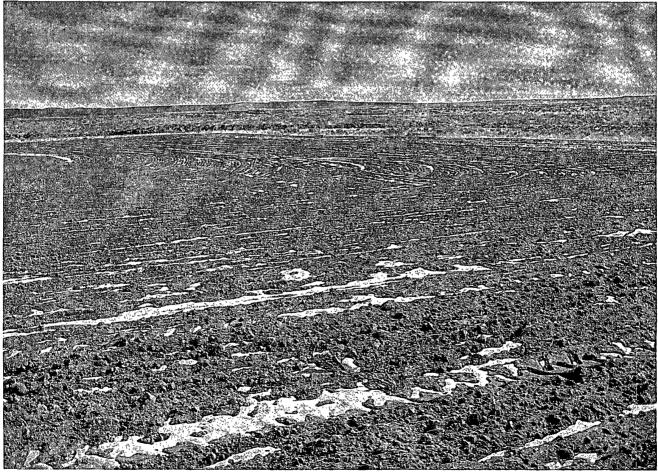
BLM/BLM

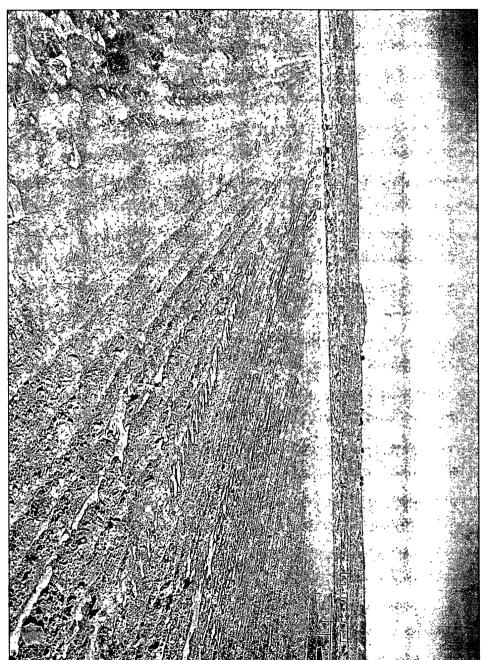
Jason M. Silverman ConocoPhillips-SJBU Construction Tech. (505)326-9821 jason.silverman@conocophillips.com

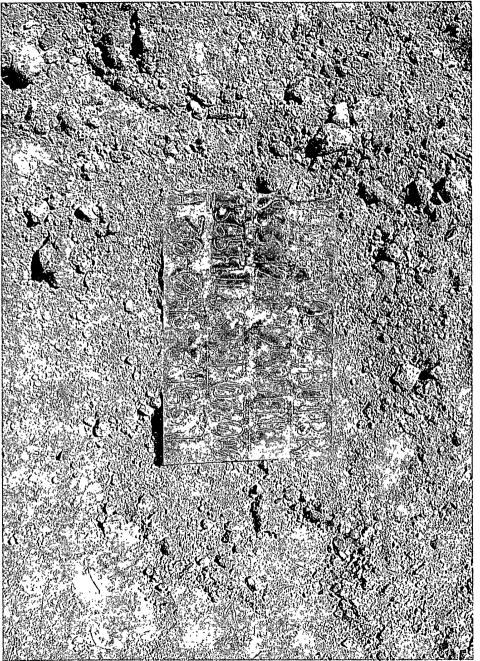
# ConocoPhillips

Reclamation Form:		•
Date: 12/10/08	<del></del>	
Well Name: Harefano	<sup>#</sup> 30.5	•
Footages:		_Unit Letter: 午
Section: <u>33</u> , T- <u>26</u>	-N, R- <u>9</u> -W, County: <u>Sa</u>	Just State: 10,10
Reclamation Contractor:	Acc	
Reclamation Date:	12/2/08	
Road Completion Date:	1219/08	
Seeding Date:	12/9/08	
Construction Inspector:	Soic Smith	Date: \2/10/08
Inspector Signature:	<u> </u>	









### WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: Huerfano Unit #305

API#: 30-045-34639

DATE	INSPECTOR	SAFETY	LOCATION CHECK	PICTURES TAKEN	COMMENTS
5/16/08	Jared Chavez	X	X	IAKLI	Fence needs tightened, called MVCI
6/3/08	Jared Chavez	Х	Х		Pit and location in good condition
6/6/08	Scott Smith	Х	X		Location and liner in good condition
6/12/08	Scott Smith	Х	X		Fence and liner in good condition
6/19/08	Scott Smith	Х	X	Х	Small oil stains by well head, plastic bottles in pit, contacted MVCI
6/26/08	Scott Smith	Х	X	Х	Fence and liner in good condition
7/3/08	Scott Smith	Х	X	Х	Liner needs keyed in at slow pit, lying flat on ground with some dirt thrown on it
7/10/08	Scott Smith	Х	Х	Х	Large hole in liner, water in blow pit, water truck sent for by rig crew, fence down for blow off pipes, crew on location
7/31/08	Scott Smith	X	Х	Х	Called Nobles to haul pit water
8/7/08	Scott Smith	Х	X	Х	Fence and liner in good condition
8/14/08	Scott Smith	Х	X	Х	Liner not keyed in at N side of reserve pit
8/21/08	Scott Smith	Х	X	X	Liner not keyed in at N side of reserve pit, contacted OCD
8/28/08	Scott Smith	X	X	Х	Fence and liner in good condition
9/11/08	Scott Smith	X	X	Х	Seam in liner at blow pit needs repaired or cut back and rekeyed, contacted OCD
9/17/08	Scott Smith	Х	X	Х	Fence and liner in good condition

Fence and liner in good condition	Х	X	Х	Scott Smith	9/25/08
 Fence and liner in good condition	Х	Χ	Х	Scott Smith	10/9/08
 Fence and liner in good condition	Х	Х	Х	Scott Smith	10/27/08
Fence and liner in good condition	Х	Х	Х	Scott Smith	11/10/08
 Pit closed				Scott Smith	11/13/08

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