District I 1625 N French Dr , Hobbs, NM 88240

1301 W Grand Ave , Artesia, NM 88210 District III

District IV

District II

1220 S St Francis Dr , Santa Fe, NM 87505

1220 South St. Francis Dr.

State of New Mexico

Energy Minerals and Natural Resources

Department

Oil Conservation Division

Form C-144 July 21, 2008

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

4	880	1
---	-----	---

API Number:

Surface Owner:

Temporary: Permanent

X Lined

Liner Seams

**Alternative Method:** 

### 1000 Rio Brazos Rd, Aztec, NM 87410 Santa Fe, NM 87505 For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application Type of action: Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method X Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method Modification to an existing permit Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538 Address: P.O. Box 4289, Farmington, NM 87499 Facility or well name: McDurmitt 1N 30-045-34526 OCD Permit Number U/L or Qtr/Qtr: C(NE/NW) Section Township: 31N Range: County: 36.93231 ٥N 108.13696 **°W** NAD: 1927 X 1983 Center of Proposed Design: Latitude: Longitude: X Private Tribal Trust or Indian Allotment Federal State X Pit: Subsection F or G of 19.15 17 11 NMAC X Drilling Workover Emergency Cavitation P&A Thickness 12 mil X LLDPE HDPE PVC Other Unlined Liner type X String-Reinforced X Welded X Factory Volume 4400 bbl Dimensions L 65' x W 45' Closed-loop System: Subsection H of 19 15 17 11 NMAC Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or Type of Operation P&A

notice of intent)
Drying Pad Above Ground Steel Tanks Haul-off Bins Other Lined Unlined Liner type Thickness mil LLDPE HDPE PVD Other Liner Seams Welded Factory Other
Below-grade tank: Subsection I of 19 15 17 11 NMAC  Volume bbl Type of fluid
Talik Colisti detion inaterial
Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  Visible sidewalls and liner  Visible sidewalls only  Other  Liner Type  Thickness  mil  HDPE  PVC  Other

Page 1 of 5 Form C-144 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

<b>1</b> 6		l		
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 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				
7				
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)				
	<u></u>			
8 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				
9				
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 (Fencing/BGT Liner)	deration of app	proval.		
Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.				
10				
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)	□NA			
- 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.	Yes	∐No		
(Applied to permanent pits)  - Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	∐NA			
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	Yes	□No		
- Written confirmation or verification from the municipality. Written approval obtained from the municipality Within 500 feet of a wetland.	Yes	□No		
- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site Within the area overlying a subsurface mine.	Yes	□No		
- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division  Within an unstable area.	Yes	□No		
- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map		□··°		
Within a 100-year floodplain	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 19.15.17.9				
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   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 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)				
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				

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	fluids and drill cuttings Use attachment if more than two fac	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 Subsect  Site Reclamation Plan - based upon the appropriate requirements of Subsect	tion I of 19 15 17 13 NMAC			
Siting Criteria (Regarding on-site closure methods only:  Instructions Each sting criteria requires a demonstration of compliance in the closure plan. Resiling criteria may require administrative approval from the appropriate district office or may be consideration of approval. Justifications and/or demonstrations of equivalency are required.	commendations of acceptable source material are provided below - F 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 obta	uned 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 obta	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 obta	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)	cant 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		Yes No		
- Visual inspection (certification) of the proposed site, Aerial photo, satellite image	·	∏Yes ∏No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less the purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database, Visual inspection (certifi	ence at the time of the initial application.			
Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978, Section 3-27-3, as amended.		Yes No		
<ul> <li>Written confirmation or verification from the municipality, Written approval obt</li> <li>Within 500 feet of a wetland</li> </ul>	ained from the municipality	□Yes □No		
- US Fish and Wildlife Wetland Identification map, Topographic map; Visual insp	pection (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	Ameral Division			
Within an unstable area	∐Yes ∐No			
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; M</li> <li>Topographic map</li> </ul>	ineral Resources; USUS, NW 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 the following items must be attached to the closure plan. Please indicate, by a				
check mark in the box, that the documents are attached.				
Siting Criteria Compliance Demonstrations - based upon the appropriate	·			
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 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				

Page 4 of 5

Operator Application Contification
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
Nome (Peint)
S
e-mail address _ Telephone
e-mail address
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)  OCD Representative Signature: Approval Date: OCD Permit Number:
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: November 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
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 ttems must be attached to the closure report. Please indicate, by a check mark in
the box, that the documents are attached.
X   Proof 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
Re-vegetation Application Rates and Seeding Technique
X Site Reclamation (Photo Documentation)
On-site Closure Location: Latitude:36.806958
Operator Closure Certification:
1 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 Technician
Signature. John Talogo Date 1/19/2010
e-mail address <u>crystal.tafoya@conocophillips.com</u> Telephone 505-326-9837

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

Lease Name: McDurmitt 1N API No.: 30-045-34526

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 certified mail. (See Attached)(Well located on Private 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	7.9 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	56.3 ug/kG
TPH	EPA SW-846 418.1	2500	83.3 mg/kg
GRO/DRO	EPA SW-846 8015M	500	8.1 mg/Kg
Chlorides	EPA 300.1	1000/500	72.0 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 State 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 State 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, Fee, McDurmitt 1N, UL-C, Sec. 6, T 31N, R 12W, API # 30-045-34526



ConocoPhillips Company GRFS / PTRRC – San Juan Business Unit Juanita Farrell 3401 East 30<sup>th</sup> Street Farmington, NM 87402 Telephone: (505) 326-9597

Facsimile: (505) 324-6136

July 29, 2008

# VIA CERTIFIED MAIL – RETURN RECEIPT REQUESTED 71106605959000260272

Montoya Sheep & Cattle Company Attn: Stella Montoya 1592 Highway 170 La Plata, NM 87418

Subject:

Culpepper Martin 104S SE Section 20, T32N, R12W

San Juan County, New Mexico

McDurmitt 1P

NE Section 6, T31N, R12W San Juan County, New Mexico

McDurmitt 1N

NW Section 6, T31N, R12W San Juan County, New Mexico

# Dear Landowner:

Pursuant to Paragraph 1 (b) of Subsection F of 19.15.17.13 NMAC, an operator shall provide the surface owner of the operator's proposal to close a temporary pit on-site in compliance with the on-site closure methods specified in the same Subsection of the NMAC. In compliance of this requirement, please consider this notification of ConocoPhillips' intent to close the temporary pit on the above referenced locations.

If you have any questions, please contact Joni Clark @ (505)326-9701.

Sincerely,

Juanita Farrell

Juanita Farrell Staff Associate, PTRRC STATE OF NEW MEXICO COUNTY OF SAN JUAN

# RECORDATION NOTICE OF PIT BURIAL

In accordance with Section 19.15.17.13.F.1.f of the NMAC, operator hereby provides notice in the public record of an on-site burial of a temporary pit at the following location:

> Well Name: McDurmitt 1N Latitude (DDD° MM.MMM'): 36.93231°N NAD 27 Longitude (DDD° MM.MMM'): 108.13696°W Unit Letter(1/4, 1/4): C Section: 6 Township: 31N Range: 12W County: San Juan State: NM

IN WITNESS WHEREOF, this Recordation Notice of Pit Burial has been executed on the date indicated below by the undersigned.

BURLINGTON RESOURCES OIL & GAS COMPANY LP,

By: BROG GP Inc., its sole General Partner

Mike L. Mankin,

Supervisor, PTRRC

STATE OF NEW MEXICO

COUNTY OF SAN JUAN

This instrument was acknowledged before me this 9th day of March, 2009, by Michael L. Mankin, of Burlington Resources Oil & Gas Company LP, By: BROG GP Inc., its sole General Partner, on behalf of said corporation.

My Commission Expires: /3 JANZO/O

RIO ARRIBA COUNTY CLERK MOISES A MORALES JR 200903389

/03/2009

DISTRICT I 1825 N. French Dr., Hobbs, N.M. 88240

DISTRICT III 1000 Rio Brazos Rd., Aztec, N.M. 87410 State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 67505 Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT IV 1220 South St. Francis Dr., Santa Fe, NM 87505

AMENDED REPORT

METE FOGULION AND	ACREAGE DEDICATION PEAT
<sup>a</sup> Pool Code	Pool Name BASIN DAKOTA/BLANÇO MESAVERDE
<sup>18</sup> Pro	perty Name * Well Number
м	cDÙRMITT 1N
*Ope	rator Name Elevation
BURLINGTON RESOURCE	S OIL & GAS COMPANY LP 5920
	<sup>a</sup> Pool Code <sup>a</sup> Proj  M <sup>o</sup> Ope

<sup>10</sup> Surface Location UL or lot no. Range Lot Idn North/South line Section Township Feet from the East/West line Feet from the County С 6 1115 31--N 12-W NORTH 2585 SAN JUAN WEST. <sup>11</sup> Bottom Hole Location If Different From Surface UL or lot no. Section Lot Idn Feet from the North/South line Feet from the Township East/West line County 18 Dedicated Acres 19 Joint or Infill 14 Consolidation Code 18 Order No. 312,76 (N/2)

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

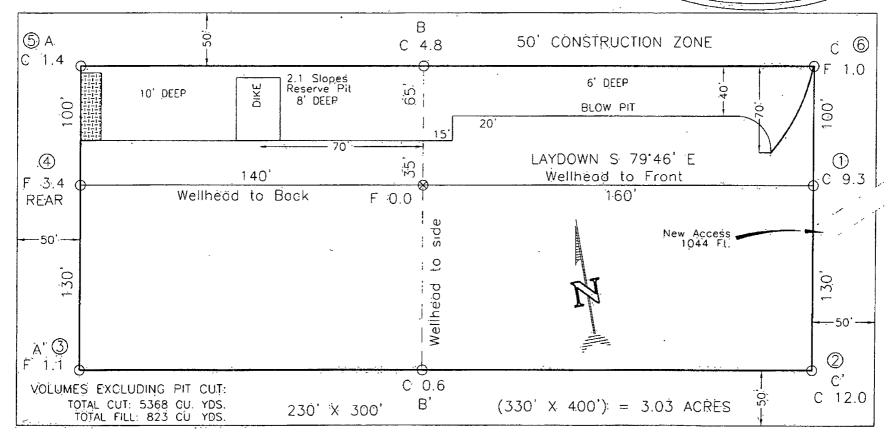
16		OR A NON-STAN	<u>NDARD UNIT HAS B</u>	EEN APPROVED BY	THE DIVISION
FD. 19	3.1/4" BC. 51 B.L.M.	'S 87-13-16 E 2642.37' (M)	FD, 3 1/4" BC, 1951 B.L.M.		17. OPERATOR CERTIFICATION  I hereby certify that the information contained herein
	LOT 4	LOT 3	ió ∷ LOT 2 I	LOT´1	is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hale location or has a
	25	85'	'l	LEASE R, CC ETAL	fight to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.
23 E	<b>S</b>		LAT: 36,9323 LONG: 108.13	1° N. (NAD 83) 696° W. (NAD 83)	
00-38-	. 5 TOJ 5	USA NM-019413	LAT: 36°55;9388 LONG: 108°08.1	N. (NAD 27) 800 W. (NAD 27)	Signature Date
Įz D	3 1/4" BC		 6		Printed Name
	LOT 6				18 SURVEYOR CERTIFICATION  I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my beltef.
	ti.	,			SEPTEMBER VOA 2007 Dote of Street Automotional Surveyor:
	LOT 7				A OF BOM WILL
					Certificate Number

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

McDURMITT No. 1N, 1115 FNL 2585 FWL

SECTION 6, T-31-N, R-12-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5920, DATE: SEPTEMBER 10, 2007

NAD 83 LAT. = 36.93231° N. LONG. = 108.13696° W. NAD 27 LAT. = 36.55.9388' N. LONG. = 108.08.1800' W.



RESERVE PIT DIKE TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE)... BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

### NOTE:

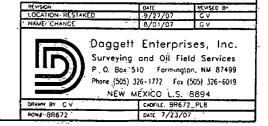
DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. UTILITY NOTIFICATION CENTER OF COLORADO TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVAÇION OR. CONSTRUCTION.

### NOTE:

ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN

### NOTE:

CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.





# EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDumilli#iN	Date Reported:	08-26-08
Laboratory Number:	46840	Date Sampled:	08-19-08
Chain of Custody No:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Extracted:	08-22-08
Preservative:	Cool	Date Analyzed:	08-25-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	8.1	0.1
Total Petroleum Hydrocarbons	8.1	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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N Background	Date Reported:	08-26-08
Laboratory Number:	46841	Date Sampled:	08-19-08
Chain of Custody No:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Extracted:	08-22-08
Preservative:	Cool	Date Analyzed:	08-25-08
Condition:	Intact	Analysis Requested:	8015 TPH

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



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

# **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	08-25-08 QA/QC	Date Reported:	08-26-08
Laboratory Number:	46828	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-25-08
Condition:	N/A	Analysis Requested:	TPH

All residence of the second se	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	1.0023E+003	1.0027E+003	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9987E+002	1.0003E+003	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	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	247	98.8%	75 - 125%
Diesel Range C10 - C28	ND	250	243	97.2%	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 46828 - 46829, 46840 - 46845 and 46865.

Analyst



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N	Date Reported:	08-26-08
Laboratory Number:	46840	Date Sampled:	08-19-08
Chain of Custody:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Analyzed:	08-25-08
Preservative:	Cool	Date Extracted:	08-22-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	7.9	0.9
Toluene	17.0	1.0
Ethylbenzene	3.0	1.0
p,m-Xylene	22.3	1.2
o-Xylene	6.1	0.9
Total BTEX	56.3	

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 Weeten Review



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N Background	Date Reported:	08-26-08
Laboratory Number:	46841	Date Sampled:	08-19-08
Chain of Custody:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Analyzed:	08-25-08
Preservative:	Cool	Date Extracted:	08-22-08
Condition:	Intact	Analysis Requested:	BTEX

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

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

Muste m Wceter
Review



# EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client: Sample ID:	N/A 08-25-BT QA/QC	Project # <sup>.</sup> Date Reported:	N/A 08-26-08
Laboratory Number:	46823	Date Reported:  Date Sampled:	08-26-08 N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	08-25-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	l-Cal RF:	C-Cal RF: Accept Rang	%Diff. je 0 - 15%	Blank Conc	Detect. Limit
Benzene	7 8668E+007	7.8826E+007	0.2%	ND	0.1
Toluene	5 9532E+007	5.9652E+007	0.2%	ND	0.1
Ethylbenzene	4 7030E+007	4.7124E+007	0.2%	ND	0.1
p,m-Xylene	9 5728E+007	9.5920E+007	0.2%	ND	0.1
o-Xylene	4.5003E+007	4.5093E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect, Limit
Benzene	2.0	2.2	10.0%	0 - 30%	0.9
Toluene	4.7	5.0	6.4%	0 - 30%	1.0
Ethylbenzene	3.3	3.4	3.0%	0 - 30%	1.0
p,m-Xylene	18.1	18.7	3.3%	0 - 30%	1.2
o-Xylene	5.3	5.2	1.9%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked Spik	ced Sample	% Recovery	Accept Range
Benzene	2.0	50.0	51.6	99.2%	39 - 150
Toluene	4.7	50.0	54.3	99.3%	46 - 148
Ethylbenzene	3.3	50.0	52.9	99.2%	32 - 160
p,m-Xylene	18.1	100	116	98.3%	46 - 148
o-Xylene	5.3	50.0	54.9	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 46823, 46828 - 46829, and 46840 - 46845.

Analyst



# TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N	Date Reported:	08-28-08
Laboratory Number:	46840	Date Sampled:	08-19-08
Chain of Custody:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Analyzed:	08-25-08
Preservative:	Cool	Date Digested:	08-25-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
	2442	2.224	
Arsenic	0.142	0.001	5.0
Barium ·	70.0	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.822	0.001	5.0
Lead	0.534	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 30

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

Review



# TRACE METAL ANALYSIS

ConocoPhillips	Project #:	96052-0026
McDurmitt #1N Background	Date Reported:	08-28-08
46841	Date Sampled:	08-19-08
5060	Date Received:	08-21-08
Soil	Date Analyzed:	08-25-08
Cool	Date Digested:	08-25-08
Intact	Analysis Needed:	Total Metals
	McDurmitt #1N Background 46841 5060 Soil Cool	McDurmitt #1N Background  46841  Date Reported:  5060  Date Received:  Soil  Date Analyzed:  Cool  Date Digested:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)	
Avenuin	0.440	0.001	5.0	
Arsenic	0.148		<del>-</del>	
Barium	15.3	0.001	100	
Cadmium	ND	0.001	1.0	
Chromium	0.599	0.001	5.0	
Lead	0.539	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.** 

Rev



Silver

# TRACE METAL ANALYSIS **Quality Control / Quality Assurance Report**

0.0%

0% - 30%

Official		04/00		D:			04/00
Client:		QA/QC		Project #:			QA/QC
Sample ID:		08-25 TM (	QA/AC	Date Rep	orted:		08-28-08
Laboratory Number:		46818		Date Sam	npled:		N/A
Sample Matrix:		Soil		Date Rec	eived:		N/A
Analysis Requested:		Total RCR/	A Metals	Date Ana	lyzed:		08-25-08
Condition:		N/A		Date Dige	ested:		08-25-08
Blank & Duplicate	nstrument	Method	Detection	on Sample	Duplicate	%	Acceptance
O ************************************	ank (mg/Ko	The second secon	Limit	SHAREST NO WARREST . N. CHARLES	, Dupilous	Diff.	Range
Arsenic	ND	ND	0.001	0.081	0.085	5.7%	0% - 30%
Barium	ND	ND	0.001	4.07	4.04	0.7%	0% - 30%
Cadmium	ND	ND	0.001	0.014	0.014	1.4%	0% - 30%
Chromium	ND	ND	0.001	0.537	0.572	6.5%	0% - 30%
Lead	ND	ND	0.001	1.49	1.54	3.6%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.029	0.027	6.6%	0% - 30%

Spike Conc: (mg/Kg)	Spike Added	Sample	Spiked Sample	Salah Sa	Acceptance Range
Arsenic	0.250	0.081	0.298	90.2%	80% - 120%
Barium	0.500	4.07	3.95	86.3%	80% - 120%
Cadmium	0.250	0.014	0.264	100.2%	80% - 120%
Chromium	0.500	0.537	0.991	95.6%	80% - 120%
Lead	0.500	1.49	2.293	116%	80% - 120%
Mercury	0.100	ND	0.099	99.0%	80% - 120%
Selenium	0.100	0.029	0.120	93.1%	80% - 120%
Silver	0.100	ND	0.090	90.1%	80% - 120%

ND

ND

ND - Parameter not detected at the stated detection limit.

ND

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

ND

0.001

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 Sample 46818 and 46840 - 46847.

Analyst



# **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N	Date Reported:	08-29-08
Laboratory Number:	46840	Date Sampled:	08-19-08
Chain of Custody:	5060	Date Received:	08-21-08
Sample Matrix:	Soil Extract	Date Extracted:	08-21-08
Preservative:	Cool	Date Analyzed:	08-22-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
pH	7.69	s.u.		
Conductivity @ 25° C	555	umhos/cm		
Total Dissolved Solids @ 180C	312	mg/L		
Total Dissolved Solids (Calc)	329	mg/L		
SAR	2.3	ratio		
Total Alkalinity as CaCO3	94.0	mg/L		
Total Hardness as CaCO3	131	mg/L		
Bicarbonate as HCO3	94.0	mg/L	1.54	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	0.164	mg/L	0.00	meq/L
Nitrite Nitrogen	< 0.01	mg/L	0.00	meq/L
Chloride	72.0	mg/L	2.03	meq/L
Fluoride	0.382	mg/L	0.02	meq/L
Phosphate	0.047	mg/L	0.00	meq/L
Sulfate	85.1	mg/L	1.77	meq/L
Iron	0.415	mg/L	0.01	meq/L
Calcium	46.2	mg/L	2.31	meq/L
Magnesium	3.78	mg/L	0.31	meq/L
Potassium	3.25	mg/L	0.08	meq/L
Sodium	61.0	mg/L	2.65	meq/L
Cations			5.37	meq/L
Anions			5.37	meq/L
Cation/Anion Difference			0.01%	

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

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



# **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N Background	Date Reported:	08-29-08
Laboratory Number:	46841	Date Sampled:	08-19-08
Chain of Custody:	5060	Date Received:	08-21-08
Sample Matrix:	Soil Extract	Date Extracted:	08-21-08
Preservative:	Cool	Date Analyzed:	08-22-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
рН	8.77	s.u.		
Conductivity @ 25° C	286	umhos/cm		
Total Dissolved Solids @ 180C	136	mg/L		
Total Dissolved Solids (Calc)	145	mg/L		
SAR	5.2	ratio		
Total Alkalinity as CaCO3	72.0	mg/L		
Total Hardness as CaCO3	14.3	mg/L		
Bicarbonate as HCO3	72.0	mg/L	1.18	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	6.36	mg/L	0.10	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	34.2	mg/L	0.96	meq/L
Fluoride	1.38	mg/L	0.07	meq/L
Phosphate	4.30	mg/L	0.14	meq/L
Sulfate	2.53	mg/L	0.05	meq/L
Iron	2.15	mg/L	0.08	meq/L
Calcium	4.44	mg/L	0.22	meq/L
Magnesium	0.782	mg/L	0.06	meq/L
Potassium	2.07	mg/L	0.05	meq/L
Sodium	45.5	mg/L	1.98	meq/L
Cations			2.40	meq/L
Anions			2.51	meq/L
Cation/Anion Difference			4.51%	

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.



# EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N	Date Reported:	08-29-08
Laboratory Number:	46840	Date Sampled:	08-19-08
Chain of Custody No:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Extracted:	08-25-08
Preservative:	Cool	Date Analyzed:	08-25-08
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

83.3

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

Muster Madles
Review



# EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt #1N Background	Date Reported:	08-29-08
Laboratory Number:	46841	Date Sampled:	08-19-08
Chain of Custody No:	5060	Date Received:	08-21-08
Sample Matrix:	Soil	Date Extracted:	08-25-08
Preservative:	Cool	Date Analyzed:	08-25-08
Condition:	Intact	Analysis Needed:	TPH-418.1

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

**Total Petroleum Hydrocarbons** 

80.6

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.** 

Analyst

Mister of Warden



# EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-28-08
Laboratory Number:	08-25-TPH.QA/QC 46840	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-25-08
Preservative:	N/A	Date Extracted:	08-25-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	l-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF	Difference	Accept. Range
	08-22-08	08-25-08	1.680	1,610	4.2%	+/- 10%

Blank Conc. (mg/Kg)			Ďőfő álása má	
TPH	ND		13.4	The state of the s
Duplicate Conc. (mg/Kg) TPH	Sample 83.3	Duplicate 80.6	% Difference 3.2%	Accept. Range +/- 30%
Spike Conc. (mg/Kg)  TPH  83.3	Spike Added	Spike Résúlt	% Recovery **	ÁCcept Range

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 46840 - 46847.

Analyst

Review Muceters

Two Copies District I					State of New Mexico Energy, Minerals and Natural Resources						Form C-105 July 17, 2008							
District II								1. WELL API NO. 30-045-34526										
District III 1000 Rio Brazos Rd , Aztec, NM 87410				Oil Conservation Division 1220 South St. Francis Dr.							2. Type of Lease						·	
District IV 1220 S St Francis	Dr , Santa l	Fe, NM 81	7505			Santa Fe, 1				•	ŀ	3. State Oil		⊠ F s Lease			ED/INDI	AN
WELL	COMPI	LETIC	N OR	RECC	MPL	ETION RE	POF	RT AN	<u>ID</u>	LOG	_		A Section 1	1000		\$25 T		
4 Reason for fil									<u></u>			5. Lease Nar	ne or	ton . the	4,000	S	me	
☐ COMPLET	ION REP	ORT (F	ll in boxes	#1 throu	igh #31	for State and Fe	e wells	only)				6. Well Num	_					
C-144 CLOS #33, attach this a	nd the plat	TACHN t to the C	MENT (Fil -144 closu	l in boxe re report	es #1 thr	rough #9, #15 Dardance with 19.1	ate Rig	Release 3 K NM	ed an	nd #32 and/o	or	1N						
NEW 8 Name of Oper	WELL [	WOR	OVER [	DEEPI	ENING	□PLUGBAC	к 🔲	DIFFER	ENT	RESERVO	OIR							
Burlington R	esource	s Oil	Gas Con	ıpany,	LP							9. OGRID 14538						
10 Address of O PO Box 4298, Fa		NM 874	199							•		11. Pool nam	e or V	Vildcat				
12.Location	Unit Ltr	Sec	tion	Towns	hıp	Range	Lot		Ŧ	eet from th	e	N/S Line	Fee	et from	the	É/W L	ine	County
Surface:																		
BH:	1 1 1 1 5	- T.D.	D1 1	1,5,	) . D'		<u> </u>					(D)	Ļ				(5.7)	10110
13 Date Spudded		ate T.D.	Reached		Jate Rig 3/2008	g Released		_   1	.6 D	ate Comple	ted	(Ready to Pro	duce)			Elevati Γ, GR, et		and RKB,
18. Total Measur	ed Depth	of Well		19 F	Plug Bac	ck Measured Dep	pth	2	20. V	Was Direction	onal	l Survey Made	?	21.	Гуре	e Electric	and Ot	her Logs Run
22 Producing In	erval(s), o	f this co	mpletion -	Top, Bot	ttom, Na	ame												
23.					CAS	ING REC	ORI				ing							
CASING SI	ZE	WE	IGHT LB /	FT.		DEPTH SET		ŀ	HOL	E SIZE		CEMENTI	NG RI	ECORE	)	AM	IOUNT	PULLED
				·						<del></del>					+			
						<del></del>									+			
24. SIZE	ТОР		I RO	ТТОМ	LIN	ER RECORD SACKS CEM	ENT	25 SCREEN SIZ				ZE TUBING RE					PACKE	ED CET
- DIZE	101		150	TTOW		SACKS CEW	ILIVI	SCICE	LIV		212	.L		LI III	JLI	1 ACKER SET		
26. Perforation	record (ir	nterval s	ize and nu	mber)	<del></del>			27 4	CIL	SHOT I	2D	ACTURE, C	EME	NT SO	) I IE	207E E	ETC	
20. Torroration	i record (ii	itervar, s	ize, and na	mocry						TERVAL		AMOUNT						
																		-
									-							<del></del>		
28								ODUC				•						
Date First Produc	ction		Produc	tion Met	hod <i>(Fl</i> e	owing, gas lift, p	oumpin	g - Size i	and .	type pump)		Well State	is (Pr	od. or S	hut-	in)		
Date of Test	Hours	Tested	Ch	oke Size		Prod'n For Test Period		Oil - B	3bl		Gas	s - MCF	v	Vater - 1	Bbl.		Gas - C	il Ratio
Flow Tubing Press.	Casin	g Pressu		lculated ur Rate	24-	Oil - Bbl.		Ga	as - l	MCF	1	Water - Bbl.		Oıl	Grav	avity - API - (Corr)		
29. Disposition of		d, used f	or fuel, ver	ited, etc ,	)	•		•					30	Test W	itne	ssed By		
31 List Attachm			- IV															
32 If a temporar	•			-			-	• •								·		
		Lat	itude <b>36.8</b>	06958°N	l Lo	ngitude 107.878	804 <b>2</b> °V	W NAD		<u>1927</u> ⊠19	83							
I hereby certi	_	he info	rmation s	shown (	on boti Prii	<i>h sides of this</i> nted	s forn	n is tru	e ar	nd comple	ete					_	-	· -
Signature Name Crystal Tafoya Title: Regulatory Technician Date: 1/19/2010  E-mail Address crystal.tafoya@conocophillips.com																		

Construction inspector: 12/2008  Construction inspector: 12/2008
Section: S. 7-31-N, R-12-W, County: 97 State: NM. Contractor Closing Pit: Acc Scrvices
Footsges: MS TNL 2585 FWL Unit Letter: C
1) 44: Mame: McDurith Well Mame: McDurith
integence leaves in the consologies.

# Tafoya, Crystal

From:

Silverman, Jason M

Sent:

Thursday, October 30, 2008 10:06 AM

To:

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

Cc:

'acedragline@yahoo.com'; Faver Norm (faverconsulting@yahoo.com); Busse, Dollie L; 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: McDurmitt 1N Attachments: New Image.TIF; McDurmitt 1N.PDF

Ace Services will move a tractor to the McDurmitt 1N on Monday, November 3rd, 2008 to start the reclamation process. Please contact Norman Faver (320-0670) in you have any questions or need additional information.

Thanks Jason Silverman

Network#:

10207743

Operator:

**Burlington Resources** 

Legals:

1115' FNL, 2585' FWL Section 6, T31N. R12W Unit Letter 'C' (NE/NW)

San Juan County, NM

Lease:

FEE

API#:

30-045-34526

Surface/Minerals:

FEE/FEE

Jason M. Silverman ConocoPhillips-SJBU Construction Tech. (505)326-9821

jason.silverman@conocophillips.com

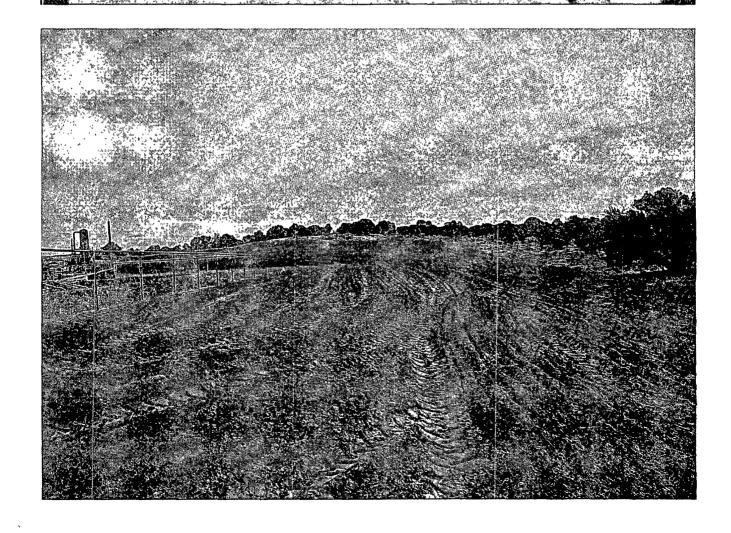
# Corocofhilios

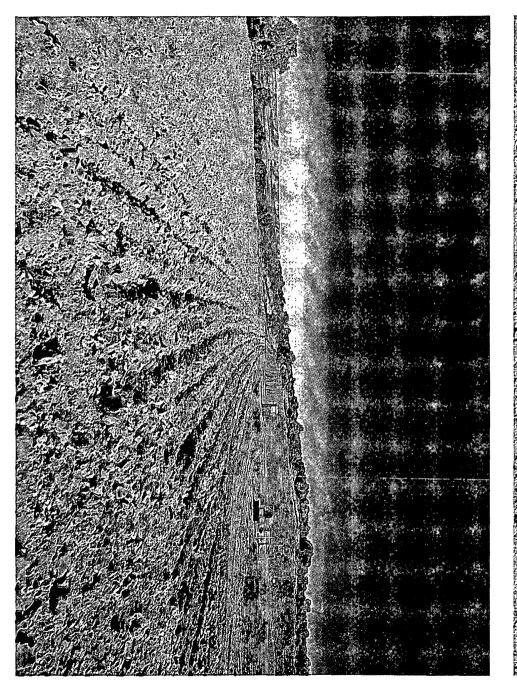
Pit Closure Form:
Jate: 12-10-2008
Veil Maine: McDurm: 7+ IN
Footages: IIISFNL 2585 FWL Unit Letter: C
Section: 6, 7-31-N, R-12-W, County: 53 State: NM
Contractor Closing Pit: <u>Acc</u>
construction inspector: Norman Favor Date: 12-10-2008
nspector Signature: Horman F

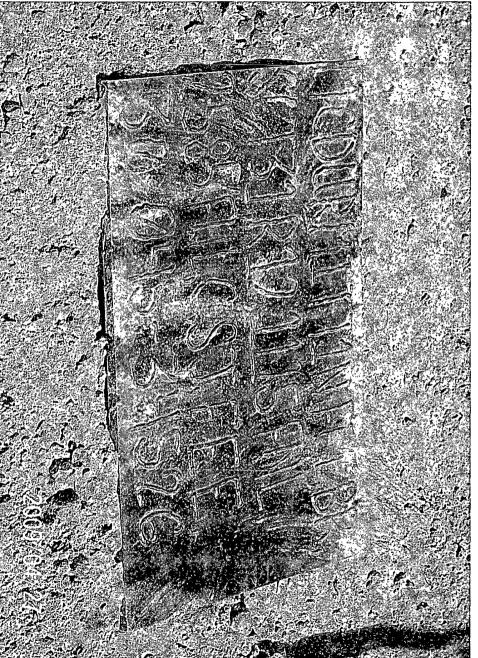
Ú.

# BURLINGTON RESOURCES M°DURMITT #1N LATITUDE 36.93231°N (NAD83) LONGITUDE 108.13696°W UNIT C SEC 6 T31N R12W 1115° FNL 2585° FWL ADI # 30-045-34526

API # 30-045-34526
LEASE #CULPEPPER,CC ETAL ELEV. 5920 GL
SAN JUAN COUNTY, NEW MEXICO
EMERGENCY CONTACT: 1-505-599-3400







# WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: McDurmitt 1N

API#: 30-045-34526

DATE	INSPECTOR	SAFETY CHECK	LOCATION CHECK	PICTURES TAKEN	COMMENTS
4/8/08	J. McDonald	Х	Х	Х	Called MVCI to patch pit liner, called OCD
4/18/08	T. Jones	Х	X	Х	
4/23/08	Jared Chavez	Х	Х	Х	A couple of minor holes in pit liner
5/28/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
6/9/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
6/16/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
6/23/08	Jared Chavez				Rig on location
7/3/08	Jared Chavez	Х	Х	Х	Holes in liner. Blow pit is burned. Called contractor and OCD
7/14/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
7/28/08	Jared Chavez	X	Х	Х	Holes in liner, contacted vendor for repairs
8/4/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
8/11/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
8/18/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
8/29/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
9/12/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
9/19/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
10/3/08	Jared Chavez	Х	Х	Х	Holes in liner, contacted Crossfire for repairs
10/10/08	Jared Chavez	Х	· X	Х	Pit and location in good condition
10/20/08	Jared Chavez	X	X	Χ	Port-a-potty fell over and knocked the fence down, contacted vendor for repairs