District I

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

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Department

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

July 21, 2008 For temporary pits, closed-loop sytems, and below-grade tanks, submit to the appropriate NMOCD District Office

Form C-144

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

5	Do	3

ype 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 d	oes approval relieve the operator of its responsibility to comply	with any other applicable governmental au	uthority's rules, regulations or ordinances	
perator. Burlington R	esources Oil & Gas Company, LP	OGRID#:	14538	
ddress. P.O. Box 428	9, Farmington, NM 87499			
acility or well name: N	ACDURMITT COM 100S			
API Number:	30-045-34358	OCD Permit Number.		
//L or Qtr/Qtr: E(SW/	NW) Section: 6 Township: 31N	Range: 12W C	ounty: San Juan	
enter of Proposed Desig	gn: Latitude: 36.9317 °N	Longitude: 108.1419	6 °W NAD: ☐ 1927 X	1983
urface Owner:	Federal State Private	ribal Trust or Indian Allotment		1
X Pit: Subsection For	G of 19.15.17.11 NMAC			
Temporary X Drill	ling Workover			
Permanent Eme	rgency Cavitation P&A		_	
X Lined Unli	ned Liner type Thickness 12 mil	X LLDPE HDPE	PVC Other	-
X String-Reinforced				
Liner Seams X We	olded X Factory Other	Volume 4400 bbl Din	nensions L <u>65'</u> x W <u>45'</u> x D	10'
Closed-loop Syste Type of Operation  Drying Pad Lined Unlin Liner Seams Wel	P&A Drilling a new well Workover notice of it  Above Ground Steel Tanks Haul-off Bins  med Liner type Thickness mil	ottent)	PVD Other  RECE FEB  How shut-off	
Below-grade tank: Volume Tank Construction mater	Subsection I of 19 15 17.11 NMAC bbl Type of fluid		RECE FEB  Low shut-off  CC	EIVEID 2010
Secondary containme		er, 6-inch lift and automatic overf	low shut-off 〈현 CH CONS.	DIV. DIST
Visible sidewalls ar		Other	19.7	
Liner Type: Thickne		Other		7777
Alternative Meth	land Land			

Form C-144

Oil Conservation Division

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6		
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, institu	ution or churc	h)
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)		
0	<del></del>	
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		Ĩ
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 consi	ideration of an	oroval
(Fencing/BGT Liner)	doration of app	pro · · · ·
Exception(s). Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval		
Siting Criteria (regarding permitting): 19.15.17.10 NMAC		
Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable		
source material are provided below. 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.	Yes	∐No
- NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells		_
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa	Yes	∐No
lake (measured from the ordinary high-water mark).  - Topographic map, Visual inspection (certification) of the proposed site		l
	Г.,	
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial	Yes	∐No
application.		
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)	∐ <sup>NA</sup>	
- Visual inspection (certification) of the proposed site, Aerial photo; Satellite image	l	,
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	∐ <sup>No</sup>
(Applied to permanent pits)	∐NA	
- Visual inspection (certification) of the proposed site, Aerial photo; Satellite image		_
Within 500 horizonal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering	Yes	No
purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application.		
- NM Office of the State Engineer - IWATERS database search, Visual inspection (certification) of the proposed site	ĺ	
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	Yes	∏No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended		
- Written confirmation or verification from the municipality, Written approval obtained from the municipality		
Within 500 feet of a wetland.  - US Fish and Wildlife Wetland Identification map, Topographic map; Visual inspection (certification) of the proposed site	∐Yes	∐No
		∏No
Within the area overlying a subsurface mine.  - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division		
Within an unstable area.	ПYes	□No
- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources, USGS, NM Geological	٠٠٠ ا	<b>ا</b>
Society; Topographic map	_	_
Within a 100-year floodplain	Yes	□No
- FEMA map /		

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 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
13
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 Assessmeni  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 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)
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

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16				
Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee Instructions Please identify the facility or facilities for the disposal of liquids, drilling	el Tanks or Haul-off Bins Only: (19 15 17 13 D NMAC)	ulities		
are required	The same arm committee one anatomical symmetric man me year	,,,,,,,		
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	vice 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 appropriat  Re-vegetation Plan - based upon the appropriate requirements of Subsect	•			
Site Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upo				
17 <u>Siting Criteria (Regarding on-site closure methods only:</u> 19 15 17 10 NMAC  Instructions Each siting criteria requires a demonstration of compliance in the closure plan Res	commendations of acceptable source material are provided below			
sting criteria may require administrative approval from the appropriate district office or may be consideration of approval—Justifications and/or demonstrations of equivalency are required—Ple		nvironmental Bureau office for		
Ground water is less than 50 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - (WATERS 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 obtain	ned from nearby wells	□N/A ੍		
Ground water is more than 100 feet below the bottom of the buried waste		Yes No		
- NM Office of the State Engineer - IWATERS database search, USGS, Data obtain	ned from nearby wells	∏N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark).	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 e	existence at the time of initial application.	Yes No		
- Visual inspection (certification) of the proposed site, Aerial photo, satellite image	•••	<u> </u>		
d		Yes No		
Within 500 horizontal feet of a private, domestic fiesh water well or spring that less that 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 (certific	ence at the time of the initial application.			
Within incorporated municipal boundaries or within a defined municipal fresh water within to NMSA 1978, Section 3-27-3, as amended.	ell field covered under a municipal ordinance adopted	☐Yes ☐No		
- Written confirmation or verification from the municipality, Written approval obtaining the confirmation of verification from the municipality, Written approval obtaining the confirmation of verification from the municipality, Written approval obtaining the confirmation of verification from the municipality, Written approval obtaining the confirmation of verification from the municipality, Written approval obtaining the confirmation of verification from the municipality.	ained from the municipality			
Within 500 feet of a wetland - US Fish and Wildlife Wetland Identification map, Topographic map, Visual insp	ection (certification) of the proposed site	Yes No		
Within the area overlying a subsurface mine		□Yes □No		
- Written confiramtion or verification or map from the NM EMNRD-Mining and M	Ineral Division			
Within an unstable area		Yes No		
<ul> <li>Engineering measures incorporated into the design, NM Bureau of Geology &amp; M.</li> <li>Topographic map</li> </ul>	ineral Resources, USGS, NM Geological Society;			
Within a 100-year floodplain - FEMA map		Yes No		
0n-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of 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 appropriate	requirements of 19 15 17 10 NMAC			
Proof of Surface Owner Notice - based upon the appropriate requiremen	•	1		
Construction/Design Plan of Burial Trench (if applicable) based upon the	e appropriate requirements of 19 15 17 11 NMAC			
Construction/Design Plan of Temporary Pit (for in place burial of a dryii	•	15.17 11 NMAC		
Protocols and Procedures - based upon the appropriate requirements of 1	9 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	s of Subsection F of 19.15 17 13 NMAC			
Disposal Facility Name and Permit Number (for liquids, drilling fluids a	nd drill cuttings or in case on-site closure standards cann	not 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 Subsec				
Site Reclamation Plan - based upon the appropriate requirements of Sub-	section G of 19 15 17 13 NMAC	1		

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19 On and Analised and Conference
Operator Application Certification:  I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief
Name (Peint)
Signature Date
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:
Title: OM Mauce OFFICE 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 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:  June 1, 2009
22
Closure Method:  Waste Excavation and Removal X On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)  If different from approved plan, please explain
23
Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:  Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
Disposal Facility Name Disposal Facility Permit Number
Disposal Facility Name Disposal Facility Permit Number
Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations?
Yes (If yes, please demonstrate compliane to the items below)
Required for impacted areas which will not be used for future service and operations.  Site Reclamation (Photo Documentation)  Soil Backfilling and Cover Installatior
Re-vegetation Application Rates and Seeding Technique
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.  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 Installatior X Re-vegetation Application Rates and Seeding Technique X Site Reclamation (Photo Documentation) On-site Closure Location Latitude 36.9317778 °N Longitude 108.142222 °W NAD 1927 X 1983
25
Operator Closure Certification:  I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan
Name (Print) Crystal Tafoya Title Regulatory Tech
Signature Stal Tologo Date. 2/5/2010
e-mail address <u>crystal tafoya@conocophrlips.com</u> Telephone. 505-326-9837

Form C-144 Oil Conservation Division

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

Lease Name: MCDURMITT COM 100S

API No.: 30-045-34358

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).

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.

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:
  - ı 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	ND ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	ND ug/kG
TPH	EPA SW-846 418.1	2500	33.6 mg/kg
GRO/DRO	EPA SW-846 8015M	500	ND mg/Kg
Chlorides	EPA 300.1	1000 <del>/500~</del>	90.2 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 OGD 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. Re-shaping 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, MCDURMITT COM 100S, UL-E, Sec. 6, T 31N, R 12W, API # 30-045-34358

### 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.

Thank you,

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

Email: Crystal.Tafoya@conocophillips.com

District I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised October 12, 2005 Instructions on back

District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000. Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

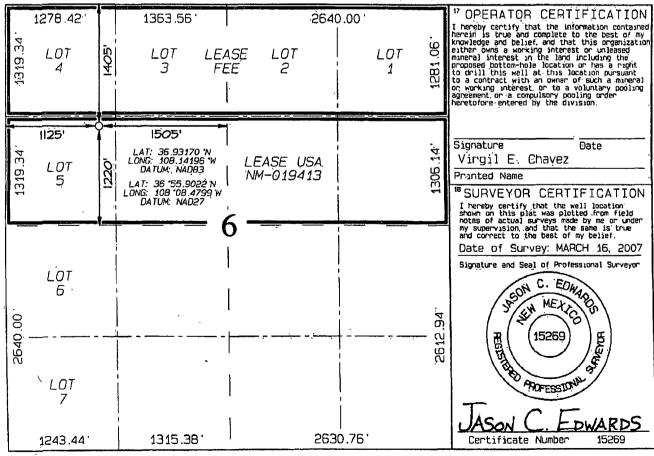
Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

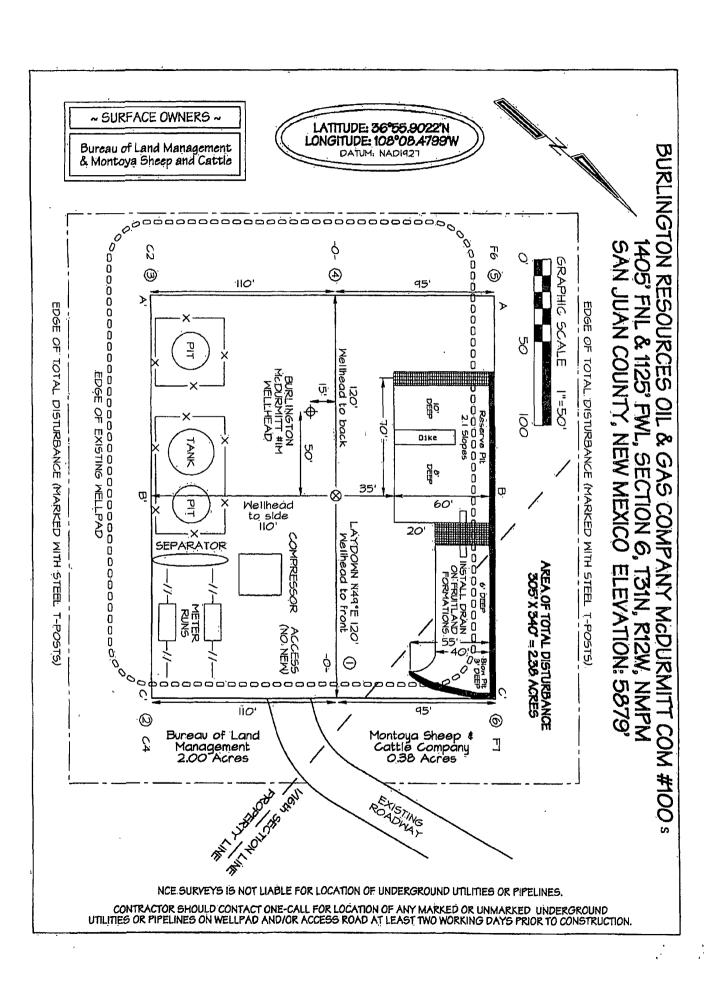
District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

AMENDED REPORT

### WELL LOCATION AND ACREAGE DEDICATION DIAT

			WELL	LUCA I	IUN ANU A	CHEAGE DEDI	·		_	
'A	PI Numbe	ir	7235	Pool Code 59 - 71	P .	CO PICTURED	CLIFFS -		FRUIT	LẠND COAL
'Property	Code				Property MCDURMI		· · · · · · · · · · · · · · · · · · ·	······································	1	00S
'0GRID N 14538			BURL'IN	NGTON F	Operator RESOURCES (	Name DIL & GAS CO	MPANY, L	P	,,	levation 5879
					<sup>10</sup> Surface	Location		<del></del>	•	<del></del>
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from th	e East/W	est line.	Eounty
Ε	6	31N	12W		1405	NORTH	1125	WE	ST	SAN JUAN
		11 B	ottom	Hole L	ocation İ	f Different	From Su	ırface		
UL or lot no	Section	Township	Range	Lat Idh	Feet from the	North/South line	Feet from th	e East/X	est line	County
2 Dedicated Acres	103.5	1. Acres 76 Acres	(NW/4) (N/2)		<sup>13</sup> Joint ör Infall	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.			
NO ALLOW	IABLE W	IILL BE A OR A	SSIGNEI NON-ST	O TO TH ANDARD	IS COMPLETI UNIT HAS BE	ON UNTIL ALL EEN APPROVED	INTERESTS BY THE DI	S HÁVE BE [VISION	EEN CO	NSOLIDATED
1278.4	42.1	1363	3.56'		264	0.00'	I hereb herein knowled	ERATOR by certify that is true and co ge and belief	CERT) It the info	FICATION  ormation contained  the best of my  this organization  tor unleased  including the
₽ LOT	. Jũ	l LO	IT L	EASE	LOT	LOT	esther mineral	owns a workin	in interest	or unleased







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

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt.Com#1.00S	Date Reported:	08-26-08
Laboratory Number:	46842	Date Sampled:	08-19-08
Chain of Custody No:	5059	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)	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

Mustum Walter 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 Com #100S	Date Reported:	08-26-08
Laboratory Number:	46843	Date Sampled:	08-19-08
Chain of Custody No:	5059	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)	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, Background

Analyst

<u>'Moster of Wal-</u> Review

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



# EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

### **Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	08-25-08 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

And the second s	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 Com #100S	Date Reported:	08-26 <b>-</b> 08
Laboratory Number:	46842	Date Sampled:	08-19-08
Chain of Custody:	5059	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)	
P	ND	0.0	
Benzene	ND 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

Mustum Waeten
Beview



### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt Com #100S Background	Date Reported:	08-26-08
Laboratory Number:	46843	Date Sampled:	08-19-08
Chain of Custody:	5059	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

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### EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #: Date Reported.	N/A
Sample ID.	08-25-BT QA/QC		08-26-08
Laboratory Number:	46823	Date Sampled:	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)	I-Cal RF:	C-Cal RF: Accept Rang	%Diff. ge 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	ked 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

ConocoPhillips	Project #:	96052-0026
McDurmitt Com #100S	Date Reported:	08-28-08
46842	Date Sampled:	08-19-08
5059	Date Received:	08-21-08
Soil	Date Analyzed:	08-25-08
Cool	Date Digested:	08-25-08
Intact	Analysis Needed:	Total Metals
	McDurmitt Com #100S 46842 5059 Soil Cool	McDurmitt Com #100S  46842  Date Reported:  5059  Date Received:  Soil  Date Analyzed:  Cool  Date Digested:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.126	0.001	5.0
Barium	72.9	0.001	100
Cadmium	0.001	0.001	1.0
Chromium	0.617	0.001	5.0
Lead	0.882	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

ConocoPhillips	Project #:	96052-0026
McDurmitt Com #100S Background	Date Reported:	08-28-08
46843	Date Sampled:	08-19-08
5059	Date Received:	08-21-08
Soil	Date Analyzed:	08-25-08
Cool	Date Digested:	08-25-08
Intact	Analysis Needed:	Total Metals
	McDurmitt Com #100S Background 46843 5059 Soil Cool	McDurmitt Com #100S Background Date Reported: 46843 Date Sampled: 5059 Date Received: Soil Date Analyzed: Cool Date Digested:

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.087	0.001	5.0
Barium	15.3	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.322	0.001	5.0
Lead	0.373	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

Review



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

Client:		QA/QC		Project #:			QA/QC
Sample ID:		08-25 TM	QA/AC	Date Repo	orted:		08-28-08
Laboratory Number:		46818		Date Sam	pled:		N/A
Sample Matrix:		Soil		Date Rece	eived:		N/A
Analysis Requested:		Total RCR	A Metals	Date Anal	yzed:		08-25-08
Condition:		N/A		Date Dige	ested:		08-25-08
≲ Blank & Dûplicate	Instrument	Method			Duplicate	%	Acceptance
Conc. (mg/Kg) Bl	ank (mg/K	g) Blank	Limit			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%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike		Spike	Sampl	e Spiked	Percent		Acceptance
Conc. (mg/Kg)		Added		Sample			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%
J		31.00					

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 Sample 46818 and 46840 - 46847.

Analyst



### **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt Com #100S	Date Reported:	08-29-08
Laboratory Number:	46842	Date Sampled:	08-19-08
Chain of Custody:	5059	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	8.17	s.u.		
Conductivity @ 25° C	574	umhos/cm		
Total Dissolved Solids @ 180C	324	mg/L		
Total Dissolved Solids (Calc)	343	mg/L		
SAR	4.5	ratio		
Total Alkalinity as CaCO3	95.0	mg/L		
Total Hardness as CaCO3	76.3	mg/L		
Bicarbonate as HCO3	95.0	mg/L	1.56	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	1.22	mg/L	0.02	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	90.2	mg/L	2.54	meq/L
Fluoride	1.50	mg/L	0.08	meq/L
Phosphate	0.697	mg/L	0.02	meq/L
Sulfate	67.7	mg/L	1.41	meq/L
Iron	0.984	mg/L	0.04	meq/L
Calcium	25.8	mg/L	1.29	meq/L
Magnesium	2.87	mg/L	0.24	meq/L
Potassium	3.88	mg/L	0.10	meq/L
Sodium	91.3	mg/L	3.97	meq/L
Cations			5.63	meq/L
Anions			5.63	meq/L
Cation/Anion Difference			0.03%	

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

Mustum Weeters
Review



### **CATION / ANION ANALYSIS**

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt Com #100S Background	Date Reported:	08-29-08
Laboratory Number:	46843	Date Sampled:	08-19-08
Chain of Custody:	5059	Date Received:	08-21-08
Sample Matrix:	Soil Extract	Date Extracted:	08-21-08
Preservative:	Cool	Date Analyzed:	08-22-08
Condition:	Intact		

Parameter	Analytical Result	Units		
pH	8.14	S.U.		
•		•		
Conductivity @ 25° C	196	umhos/cm		
Total Dissolved Solids @ 180C	89.0	mg/L		
Total Dissolved Solids (Calc)	88.6	mg/L		
SAR	0.4	ratio	•	
Total Alkalinity as CaCO3	45.0	mg/L		
Total Hardness as CaCO3	54.6	mg/L		
Bicarbonate as HCO3	45.0	mg/L	0.74	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	13.7	mg/L	0.22	meq/L
Nitrite Nitrogen	4.54	mg/L	0.10	meq/L
Chloride	2.85	mg/L	0.08	meq/L
Fluoride	2.25	mg/L	0.12	meq/L
Phosphate	4.85	mg/L	0.15	meq/L
Sulfate	3.29	mg/L	0.07	meq/L
Iron	3.35	mg/L	0.12	meq/L
Calcium	17.9	mg/L	0.89	meq/L
Magnesium	2.41	mg/L	0.20	meq/L
Potassium	2.56	mg/L	0.07	meq/L
Sodium	6.98	mg/L	0.30	meq/L
Cations			1.58	meq/L
Anions			1.48	meq/L
Cation/Anion Difference			6.97%	

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

Mustre of Weeken



### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt Com #100S	Date Reported:	08-29-08
Laboratory Number:	46842	Date Sampled:	08-19-08
Chain of Custody No:	5059	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** 

33.6

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

Mustre on Walter



### EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

	•		
Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	McDurmitt Com #100S	Date Reported:	08-29-08
Laboratory Number:	46843	Date Sampled:	08-19-08
Chain of Custody No:	5059	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** 

18.8

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



# 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	I-Cal Date	C-Cal Date	୍ୟ-Cal RF: ˈ ଫ`	C-Cal RF: %	Difference	Accept. Range
	08-22-08	08-25-08	1,680	1,610	4.2%	+/- 10%

Blank Conc. (mg/Kg) TPH	Concentration ND		Detection Lim	
Duplicate Conc. (mg/Kg)	Sample 83.3	Duplicate 80.6	% Difference 3.2%	Accept. Range +/- 30%
Spike Conc. (mg/Kg) Sample 5	Spike Added	Spike Result 1,810	%`Řecovery <b>86.9%</b>	Accept Range 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 46840 - 46847.

Analyst

Mester m Weeter Review

Two Copies	rate District	Office		State of New Mexico					Form C-105							
District I 1625 N French Dr	. Hobbs. NM	88240		Energy, Minerals and Natural Resources					July 17, 2008  1. WELL API NO.							
District II 1301 W Grand Ave			10						30-045-34358							
District III			10			l Conserva					2 Type of Lease					
1000 Rio Brazos Re District IV	d, Aztec, NN	187410				20 South S			r.		STATE FEE FED/INDIAN				IAN	
1220 S St Francis	1220 S St Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 3 State Oil & Gas Lease No. NM-019413															
WELL (	COMPL	ETIOI	N OR F	RECO	MPL	ETION RE	POF	RT ANI	LOG	<del></del> _				7		
4. Reason for file											5 Lease Nam			ment N	ame	
☐ COMPLET	ION REPO	RT (Fill	in boxes	#1 throu	gh #31	for State and Fe	e wells	only)			McDurmit 6 Well Num		m			
C-144 CLOS #33; attach this a										and/or	1008	oei				
7. Type of Comp		WORK	OVER [	DEEPE	ENING	□PLUGBAC	к 🗆 :	DIFFERE	NT RES	ERVOIF	R 🗆 OTHER		···			
8 Name of Opera	ator										9. OGRID					
Burlington R  10 Address of O		Oil G	as Com	ipany,	LP						14538 11 Pool name	or W	lildaat			
PO Box 4298, Fa		NM 8749	9								i i roomanii	OI W	riideat			
12.Location	Unit Ltr	Secti	on	Towns	hip	Range	Lot		Feet fr	om the	N/S Line	Fee	t from the	E/W	Line	County
Surface:																
вн:																
13. Date Spuddeo	d 14 Dat	e T D. R	eached		Date Rig 3/2008	g Released		16	Date Co	ompleted	(Ready to Pro-	duce)		leva Γ, GR,		and RKB,
18. Total Measur	ed Depth of	f Well		19 P	lug Ba	ck Measured De	pth	20	Was D	rirectiona	al Survey Made	7				ther Logs Run
22. Producing Int	erval(s), of	this com	pletion -	Top, Bot	tom, Na	ame										
23.					CAS	ING REC	ORI	n (Ren	ort all	strin	os set in w	ell)				
CASING SI	ZE	WEIG	GHT LB /		CIND	DEPTH SET			DLE SIZ		CEMENTIN		CORD	A	MOUNT	PULLED
							$\dashv$									<del></del>
24.					LIN	ER RECORD				25			NG REC			
SIZE	TOP		BO	ГТОМ		SACKS CEM	ENT	SCREE	N	SI	ZE	₽ D	EPTH SET		PACK	ER SET
26 Perforation	record (int	erval, sız	e, and nu	mber)				27 AC	ID, SH	OT, FR	ACTURE, CI	EME	NT, SQUI	EEZE,	ETC.	· ·
									INTER		AMOUNT A					
											1					· · · · · · · · · · · · · · · · · · ·
28.								DDUC								
Date First Produc	ction		Product	ion Metl	hod (Flo	owing, gas lıft, p	umpin	g - Sıze ar	d type p	ump)	Well Statu	s (Pro	d or Shut-	in)		
Date of Test	Hours	Tested	Cho	oke Size		Prod'n For Test Period		Oil - Bb	1	Ga	s - MCF	W	ater - Bbl.	-	Gas - 0	Oil Ratio
Flow Tubing Press.	Casing	Pressure		culated 2 ur Rate	24-	Oil - Bbl		Gas	- MCF		Water - Bbl		Oil Gra	vity - A	PI - (Cor	r)
29 Disposition o	f Gas (Sold	, used for			· · · · · · · · · · · · · · · · · · ·						····	30.	Test Witne	ssed By		
31. List Attachme	,		- • •											, -		·
32 If a temporary		ed at the	well, atta	ch a plat	with th	e location of the	tempo	orary pit.								
33. If an on-site b	•						-									
		Latit	ude 36.9.	317778°1	N L	ongitude 108.14	12222°	W NAD	<u> ∏1927</u>	<b>⊠</b> 1983	3	C	, ,	,	. 17	<u></u>
I hereby certif	ty that the	e inform O —	0		Pri	h sides of this nted ne Crystal T	•			•			knowled US/S		id belie,	†
	SS Crueta	ー / Ltafova							2	,,	, - <del></del>		ماحاه	40		
E-mail Address crystal.tafoya@conocophillips.com																

## ConocoPhillips

Pit Closure Form:
Date:(a/\/2009
Well Name: McDurmitt com 1005
Footages: 1405 FNL 1125 FNL Unit Letter: E
Section: 6, T-31 -N, R-12 -W, County: 55 State: MM
Contractor Closing Pit: Atc
Construction Inspector: Norman Yaver Date: 6/1/2009
Inspector Signature:

### Tafoya, Crystal

From:

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

Sent:

Tuesday, May 26, 2009 2:58 PM

То:

'acedragline@yahoo.com' <acedragline@yahoo.com>

Subject:

FW: Reclamation Notice: McDurmitt Com 100S

Importance: High

Attachments: McDurmitt Com 100S(was 100M).pdf

Ace Services will move a tractor to the McDurmitt Com 100S on Thursday Afternoon, May 28th, 2009 to start the Reclamation Process. Please contact Norm Faver (320-0670) if you have any questions or need further assistance.

Thanks, Jason Silverman

### Burlington Resources Well- Network #10214400

San Juan County, NM:

McDurmitt Com #1005 - BLM + FEE surface / BLM minerals

Twinned with the McDurmitt #1M

1405' FNL, 1125' FWL

Sec. 6, T31N, R12W

Unit Letter 'E'

Lease #: USA NM-019413

API #: 30-045-34358

Latitude: 36° 55.902N (NAD 83)

Longitude: 108° 08.518W

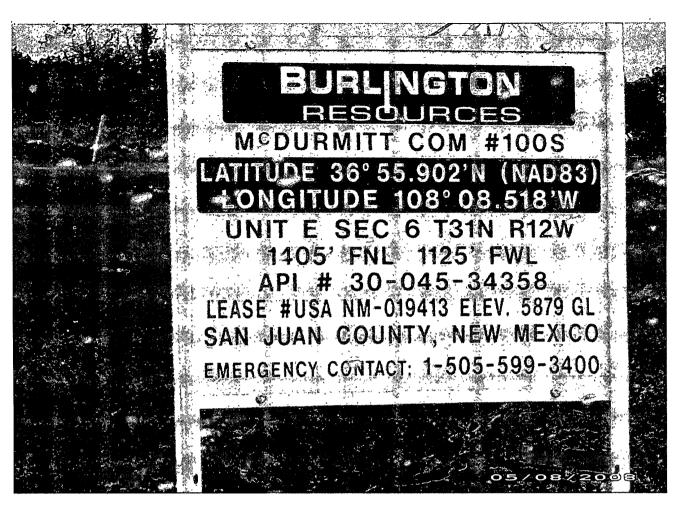
Elevation: 5879'

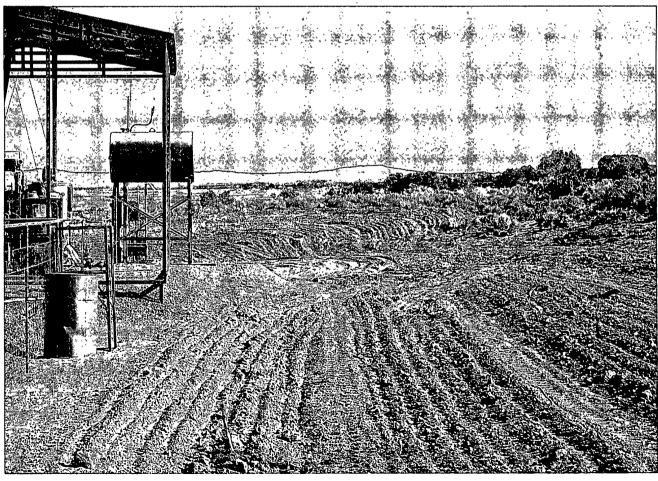
### Jason Silverman -----

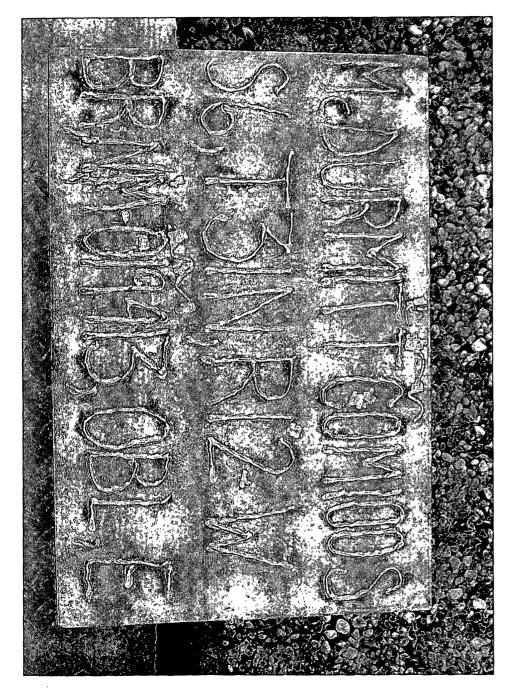
Construction Technician
ConocoPhillips Company - SJBU
Construction Department
P.O. Box 4289
Farmington, NM 87499-4289
505-326-9821
Jason.M.Silverman@ConocoPhillips.com

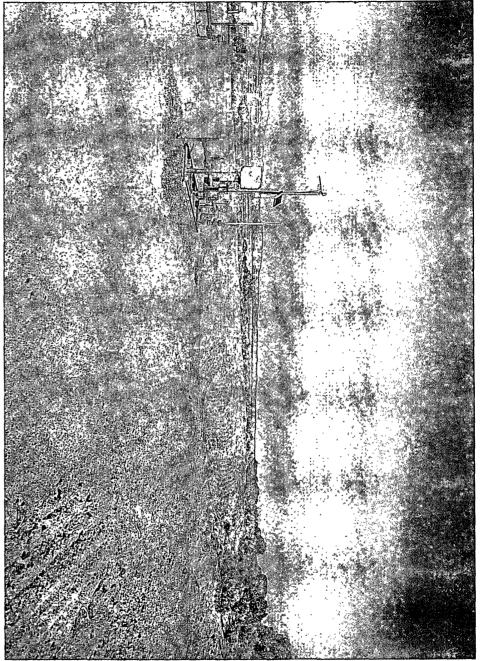
## ConocoPhilips

Reclamation Form:	
Date: 6/20/2009	
Well Name: McDur	mitt com 1005
Footages: 1405 F	WL 1125 FWL Unit Letter: E
Section: 6, 7-31.	N, R-12-W, County: 33 State: NM
Reclamation Contractor:	Ace Services
Reclamation Date:	6/1/2009
Road Completion Date:	6/4/2009
Seeding Date:	6/20/2009
Construction inspector:	Norman Favar Date: 6/20/2009
Inspector Signature:	1 man To









### WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: McDurmitt Com #100S

API#: 30-045-34358

DATE	INSPECTOR	SAFETY CHECK	LOCATION CHECK	PICTURES TAKEN	COMMENTS
4/23/08	Jared Chavez	Х	Х	Х	Hole has only been surface drilled, location is in excellent condition
5/8/08	Jared Chavez	Х	Х	Х	Fence needs moved off of liner, apron needs removed, called MVCI
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
6/23/08	Jared Chavez	Х	Х	Х	Fence need tightened, called MVCI, blow pit water needs pulled, called Ace services
7/14/08	Jared Chavez	Х			Basic Energy Rig #1576 is on location
7/28/08	Jared Chavez				Basic rig 1576 is on location
8/4/08	Jared Chavez	Х	Х	X	Fence needs tightened and holes in liner, contacted Crossfire for repairs, and contacted OCD
8/11/08	Jared Chavez	Х	Х	Х	Blow pit is burned, contacted Crossfire for repairs
8/18/08	Jared Chavez	Х	Х	X	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	Fence needs tightened, contacted Crossfire for repairs
10/20/08	Jared Chavez	Х	Х	X	Pit and location in good condition
11/18/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
11/25/08	Jared Chavez	Х	Х	Х	Pit and location in good condition

12/2/08	Jared Chavez	Х	X	Х	Pit and location in good condition
12/5/08	Jared Chavez	Х	Х	Х	Pit and location in good condition
12/12/08	Jared Chavez	X	Х	Х	Pit and location in good condition
1/28/09	Jared Chavez	Х	Х	Х	Fence needs tightened, contacted Crossfire for repairs
2/4/09	Jared Chavez	Х	Х	Х	Pit and location in good condition
2/11/09	Jared Chavez	Х	Х	Х	Pit and location in good condition
3/4/09	Jared Chavez	Х	Χ -	Х	Pit and location in good condition
3/11/09	Jared Chavez	Х	Х	Х	Water needs pulled from reserve and blow pit, Noble Trucking
3/25/09	Jared Chavez	Х	Х	Х	Fence needs tightened, contacted Crossfire for repair
4/8/09	Jared Chavez	Х	Х	X	Pit and location in good condition
4/27/09	Jared Chavez	Х	X	Х	Pit and location in good condition
5/6/09	Jared Chavez	X	Х	Х	Pit and location in good condition
6/5/09	Jared Chavez				Location has been reclaimed