District I

1625 N. French Dr., Hobbs, NM 88240

1301 W. Grand Ave., Artesia, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

State of New Mexico Energy Minerals and Natural Resources

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

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

Form C-144

tanks, submit to the appropriate NMOCD District Office.

For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the

1220 S. St. Francis Dr., Santa Fe, NM 87505	appropriate NMOCD District Office.
Pit, Closed-Loop Syste	em, Below-Grade Tank, or
Proposed Alternative Metho	d Permit or Closure Plan Application
Type of action: Permit of a pit, closed-loop	system, below-grade tank, or proposed alternative method
	p system, below-grade tank, or proposed alternative method
Modification to an existing	•
below-grade tank, or propos	d for an existing permitted or non-permitted pit, closed-loop system, sed alternative method
Instructions: Please submit one application (Form C-144) per ind	dividual pit, closed-loop system, below-grade tank or alternative request
	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 com	aply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: ConocoPhillips Company	OGRID#: 217817
Address: P.O. Box 4289, Farmington, NM 87499	
Facility or well name: Mudge Federal 2	
API Number: 30-045-33290	OCD Permit Number:
U/L or Qtr/Qtr: A(NE/NE) Section: 31 Township: 26	
Center of Proposed Design: Latitude: 36.269203 °N Surface Owner: Federal State Private	Longitude: 108.022875 °W NAD: 1927 X 1983 262
Surface Owner. Program State Private A	
2 X Pit: Subsection F or G of 19.15.17.11 NMAC	MAR OF MAR OF OIL CONS. DIV.
Temporary: X Drilling Workover	S MAR D
Permanent Emergency Cavitation P&A	OIL CONS. DIV.
X Lined Unlined Liner type: Thickness 12	mil X LLDPE HDPE PVC Other
X String-Reinforced	Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'
Liner Seams: X Welded X Factory Other	Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'
3	
Closed-loop System: Subsection H of 19.15.17.11 NMAC	
Type of Operation: P&A Drilling a new well Workov notice o	rer or Drilling (Applies to activities which require prior approval of a permit or fintent)
Drying Pad Above Ground Steel Tanks Haul-off Bins	Other
Lined Unlined Liner type: Thicknessm	nil LLDPE HDPE PVD Other
Liner Seams: Welded Factory Other	
4	
Below-grade tank: Subsection I of 19.15.17.11 NMAC	
Volume: bbl Type of fluid:	
Tank Construction material: Secondary containment with leak detection Visible sidewalls,	liner, 6-inch lift and automatic overflow shut-off
Visible sidewalls and liner Visible sidewalls only	Other
	VC Other
5	
Alternative Method:	
Submittal of an exception request is required. Exceptions must be submitted	to the Santa Fe Environmental Bureau office for consideration of approval.
· · · · · · · · · · · · · · · · · · ·	Tr.

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, ins	titution or chu	orch)
Four foot height, four strands of barbed wire evenly spaced between one and four feet	marion or ena	,, с.,,
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)		
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 constant	ideration of ar	pproval.
(Fencing/BGT Liner)		
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.		
10	Γ	
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.		
Consider the Charles of Carlots of Latter and Assessment to the Charles of Carlots of Ca		
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
	ļ _—	□
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).	Yes	∐No
- Topographic map; Visual inspection (certification) of the proposed site		
		□
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes]No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks)		
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image		
	<u> </u>	□ ,.
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)	∐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.	1	
- 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	□Yes	□No
adopted pursuant to NMSA 1978, Section 3-27-3, as amended		Шио
- 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. - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	∐ Yes	No
,		
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological	Yes	∐No
Society; Topographic map		
Within a 100-year floodplain	Yes	□No
- FEMA map	L	٠٠

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
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
12
Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.
Hydrogeologic Report - based upon the requirements of Paragraph (I) of Subsection B of 19.15.17.9 NMAC
Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
Climatological Factors Assessment
Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC
Dike Protection and Structural Integrity Design: based upon the appropriate requirements of 19.15.17.11 NMAC
Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC
Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC
Quality Control/Quality Assurance Construction and Installation Plan
Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 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
Frosion 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
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 Steel Tanks or Haul-off Bins Only: (19.15.1)				
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment facilities are required.	if more than two			
Disposal Facility Name: Disposal Facility Permit #:				
Disposal Facility Name: Disposal Facility Permit #:				
Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be Yes (If yes, please provide the information No				
Required for impacted areas which will not be used for future service and operations: Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19 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	2.15.17.13 NMAC			
17 String Criteria (Percepting on cite elegance methods only), 10 15 17 10 NMAC				
Siting Criteria (Regarding on-site closure methods only: 19.15.17.10 NMAC Instructions: Each stiing criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source mate certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which mu office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC	ist be submitted to the Santa Fe Environmental Bureau			
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 obtained from nearby wells	L_N/A			
Ground water is between 50 and 100 feet below the bottom of the buried waste	Yes No			
- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained 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 obtained from nearby wells	│ ☐ _{N/A}			
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or pl (measured from the ordinary high-water mark).	aya 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 existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	Yes No			
7	Yes No			
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock purposes, or within 1000 horizontal fee of any other fresh water well or spring, in existence at the time of the initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	c watering			
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance pursuant to NMSA 1978, Section 3-27-3, as amended.	e adopted 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	Liesino			
Within the area overlying a subsurface mine.	Yes No			
- Written confiramtion or verification or map from the NM EMNRD-Mining and Mineral Division				
Within an unstabl€ area.	Yes No			
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological S Topographic map 	ociety;			
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 bee attack	hed 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 requirements of 19.15.17.10 NMAC				
Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC				
Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17				
Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 13 NIMAC	equirements 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				
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC				

19 Operator Application Certification:
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.
Name (Print): Title:
Signature: Date:
e-mail address: Telephone:
20 OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Title: OCD Permit Number: 21 Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. X Closure Completion Date: July 15, 2008 22 Closure Method: Waste Excavation and Removal X On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only)
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: 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 compliant 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
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 Installation X Re-vegetation Application Rates and Seeding Technique X Site Reclamation (Photo Documentation) On-site Closure Location: Latitude: 36.4487778 °N Longitude: 108.0389444 °W NAD 1927 X 1983
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): Ethel Tally Title: Staff Regulatory Technician
Signature: Date: 3/25/10
e-mail address: ethel.tally@conocophillips.com Telephone: 505/599-4027

ConocoPhillips Company San Juan Basin Closure Report

Lease Name: Mudge Federal 2

API No.: 30-045-33290

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 COPC'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.)

 Within 6 months of the Rig Off status occurring COPC 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. ConocoPhillips 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.

ConocoPhillips 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	32mg/kg
GRO/DRO	EPA SW-846 8015M	500	ND mg/Kg
Chlorides	EPA 300.1	1000/500	135 mg/L

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

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

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

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

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

Dig and Haul was not required.

12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final recontour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Reshaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final recontour has a uniform appearance with smooth surface, fitting the natural landscape.

13. Notification will be sent to OCD when the reclaimed area is seeded.

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

14. COPC 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: COP, BLM, Mudge Federal 2, UL-A, Sec. 31, T 26N, R 11W, API # 30-045-33290

Tafoya, Crystal

From:

Tafoya, Crystal

Sent:

Saturday, October 04, 2008 9:27 AM

To: Subject: 'larry_pixley@nm.blm.gov' Surface Owner Notification

The temporary pits for the following wells will be closed on-site. Please let me know if you have any questions.

Mudge Federal 2

Mudge Federal 1E

Thank you,

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

Email: Crystal.Tafoya@conocophillips.com

RCUD MAY23'07 OIL COMS. DIV. DIST. 3

Ostrict I PO 80x 1980, Hobbs, NM 88241-1980

State of New Mexico Energy, Munerals & Matural Resources Department

Form C-102 Revised February 21, 1994 Instructions on back

District II PO Drawer OD, Artesia, NM 88211-0719

OIL CONSERVATION DIVISION 10 10 10 10 10 Fee Lease - 3 Copies

. District III 1000 Rio Brazos Rd., Aztec, NM 87410

Santa Fe, NM 87504-2088 RECEIVED AMENDED REPORT

070 FARMINGTON HE

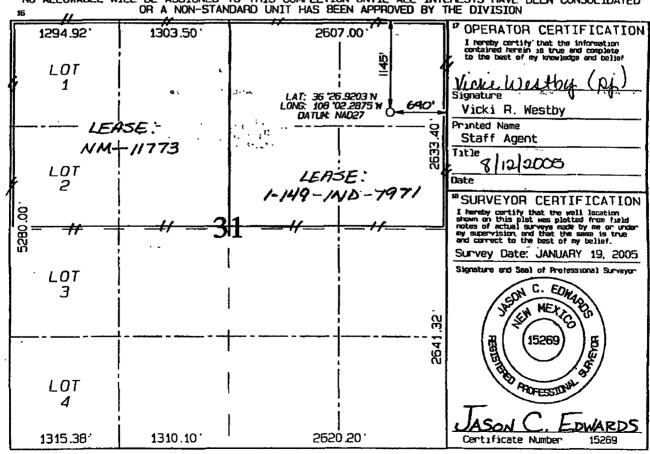
Distract IV PO 80x 2088, Santa Fe, NM 87504-2088

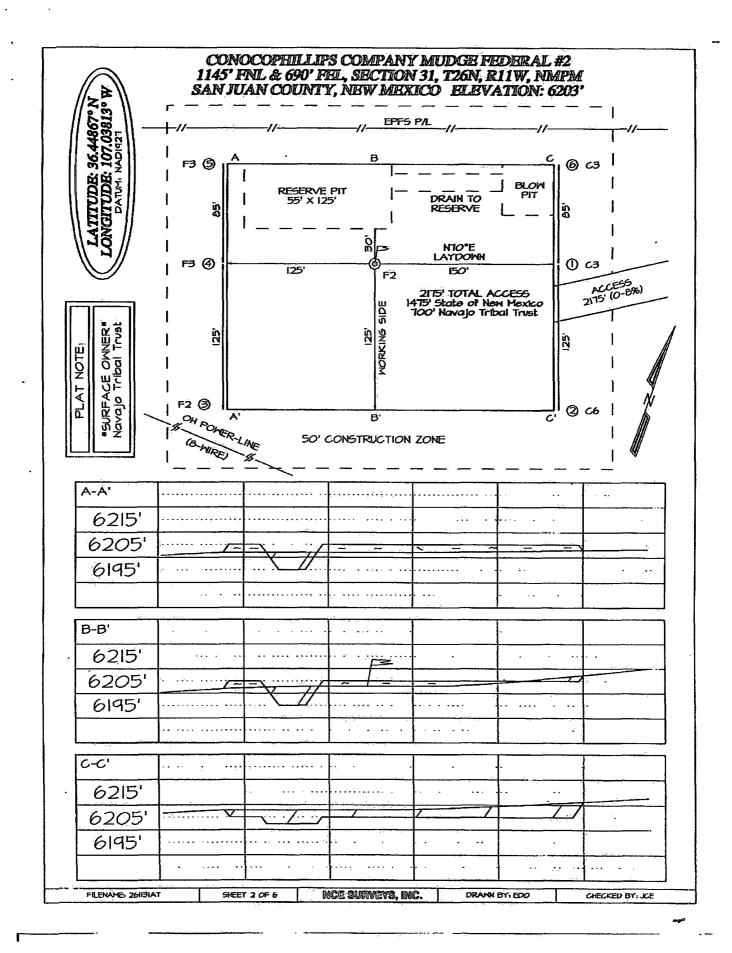
WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-33290	¹ Pool · Code 71629	POOI Name BASIN FRUITLAND	COAL
'Property Code 31589	"Property Name MUDGE FEDERAL		Well Number 2
'OGRID No. 217817 .			

10 Surface Location Feet free the Feet from the Fast Alest 1ton Courty 31 26N **NORTH** 11W 1145 590 **EAST** SAN JUAN 11 Bottom Hole Location If Different From Surface County 13 Joint or Infill M Consolidation Cude E Cledicated Acres 319 /4 Acres - 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







EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2	Date Reported:	07-22-08
Laboratory Number:	464 03	Date Sampled:	07-15-08
Chain of Custody No:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Extracted:	07-17-08
Preservative:	Cool	Date Analyzed:	07-18-08
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:

Drill Mud.



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2 Background	Date Reported:	07-22-08
Laboratory Number:	46404	Date Sampled:	07-15-08
Chain of Custody No:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Extracted:	07-17-08
Preservative:	Cool	Date Analyzed:	07-18-08
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:

Drill Mud.

Analyst

Amente m Weeters
Review



EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC		Project #:		N/A
Sample ID:	07-18-08 QA/0	QC	Date Reported:		07-22-08
Laboratory Number:	46386		Date Sampled:		N/A
Sample Matrix:	Methylene Chlor	ride	Date Received:		N/A
Preservative:	N/A		Date Analyzed:		07-18-08
Condition:	N/A		Analysis Request	ted:	TPH
	l-Cal Date	LCal RF:	C-Oal RE	% Difference	Accept. Rang
Gasoline Range C5 - C10	05-07-07	9.6373E+002	9.6411E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.8496E+002	9.8536E+002	0.04%	0 - 15%
				3.3	
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	66.4	66.0	0.6%	0 - 30%	4
Diesel Range C10 - C28	167	166	0.6%	0 - 30%	
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Rang
Gasoline Range C5 - C10	66.4	250	312	98.7%	75 - 125%
Diesel Range C10 - C28	167	250	415	99.5%	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 46386, 46391, 46403, 46404, 46408 and 46417.

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2	Date Reported:	07-21-08
Laboratory Number:	46403	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Analyzed:	07-18-08
Preservative:	Cool	Date Extracted:	07-17-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Damana	ND.	0.0	
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:

Drill Mud.

Analyst

(Mustine () () coters



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2 Background	Date Reported:	07-21-08
Laboratory Number:	46404	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Analyzed:	07-18-08
Preservative:	Cool	Date Extracted:	07-17-08
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	96.0 %
	1,4-difluorobenzene	96.0 %
	Bromochlorobenzene	96.0 %

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:

Drill Mud.

Analyst

Muster Walters



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A		Project #:		N/A	
Sample ID:	07-18-BTEX QA/0	CC C	Date Reported:		07-21-08	
Laboratory Number:	46385		Date Sampled:		N/A	
Sample Matrix	Soil		Date Received:		N/A	
Preservative:	N/A		Date Analyzed:		07-18-08	
Condition:	N/A		Analysis:		BTEX	
Detection Limits (ug/L)			nge 0 - 15%	-Cong	Limit	
Benzene	1.0553E+008	1.0574E+008	0.2%	ND	0.1	
	7.4625E+007	7.4775E+007	0.2%	ND	0.1	
Toluene	***************************************					
Ethylbenzene	6.0908E+007	6.1030E+007	0.2%	ND	0.1	
		6.1030E+007 1.2138E+008	0.2% 0.2%	ND ND	0.1 0.1	

Duplicate Conc. (ug/Kg)	Sample	uplicate	%Diff	Accept Range	Detect Limit
Benzene	40.1	39.9	0.5%	0 - 30%	0.9
Toluene -	351	350	0.3%	0 - 30%	1.0
Ethylbenzene	59.2	58.6	1.0%	0 - 30%	1.0
p,m-Xylene	2,210	2,200	0.5%	0 - 30%	1.2
o-Xylene	583	581	0.3%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample Amo	unt Spiked⊫ Spi	ked Sample	% Recovery	Accept Range
Benzene	40.1	50.0	89.6	99.4%	39 - 150
Toluene	351	50.0	399	99.3%	46 - 148
Ethylbenzene	59.2	50.0	106	97.2%	32 - 160
p,m-Xylene	2,210	100	2,300	99.5%	46 - 148
o-Xylene	583	50.0	627	99.0%	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 46385 - 46388, 46391, 46403, 46404, 46406, 46407 and 46417.

Analyst



TRACE METAL ANALYSIS

Client	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2	Date Reported:	07-18-08
Laboratory Number:	46403	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Analyzed:	07-17-08
Preservative:	Cool	Date Digested:	07-17-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
raianeter	(mg/Kg)	(nig/kg)	(myrxy)
Arsenic	0.057	0.001	5.0
Barium	7.74	0.001	100
Cadmium	0.004	0.001	1.0
Chromium	0.228	0.001	5.0
Lead	0.152	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:

Drill Mud.

Analyst

Review Cocces



TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2 Background	Date Reported:	07-18-08
Laboratory Number:	46404	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix:	Soil	Date Analyzed:	07-17-08
Preservative:	Cool	Date Digested:	07-17-08
Condition:	Intact	Analysis Needed:	Total Metals

		Det.	TCLP Regulatory
	Concentration	Limit	Level
Parameter	(mg/Kg)	(mg/Kg)	(mg/Kg)
Arsenic	0.113	0.001	5.0
Barium	31.8	0.001	100
Cadmium	0.003	0.001	1.0
Chromium	0.150	0.001	5.0
Lead	0.167	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.050	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 Emmislon

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Drill Mud.

Analyst

Review



TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client: Sample ID: Laboratory Number: Sample Matrix		QA/QC 07-17 TM (46403 Soil	DA/AC	Project #: Date Repo Date Samp Date Rece	oled:		QA/QC 07-18-08 N/A N/A
Analysis Requested:		Total RCR	A Metals	Date Analy			07-17-08
Condition:		N/A		Date Diges	ited:		07-17-08
Blank & Duplicate	Instrument	Method	Detection	Sample	Duplicate	%	Acceptance
Conc. (mg/Kg) B	lank (mg/K	g) Blank	Limit			Diff.	Range
Arsenic	ND	ND	0.001	0.057	0.049	13.7%	0% - 30%
Barium	ND	ND	0.001	7.74	7.82	1.0%	0% - 30%
Cadmium	ND	ND	0.001	0.004	0.004	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.228	0.238	4.2%	0% - 30%
Lead	ND	ND	0.001	0.152	0.153	0.6%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Spike	a species	Spilke: Added	Sample	Spiked Sample	Percent Recovery		Acceptance Range
Conc. (mg/Kg)				Sample			Naiye
Arsenic		0.250	0.057	0.269	87.6%		80% - 120%
Barium		0.500	7.74	8.3	101%		80% - 120%
Cadmium		0.250	0.004	0.260	102%		80% - 120%
Chromium		0.500	0.228	0.734	101%		80% - 120%
Lead		0.500	0.152	0.701	108%		80% - 120%
Mercury		0.100	ND	0.098	98.2%		80% - 120%
Selenium		0.100	ND	0.102	102%		80% - 120%
Silver		0.100	ND	0.099	98.7%		80% - 120%

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

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

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/1QC for Samples 46403 - 46405 and 46409.

Analyst

Review



CATION / ANION ANALYSIS

Client	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2 Background	Date Reported:	07-22-08
Laboratory Number:	46404	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix	Soil Extract	Date Extracted:	07-16-08
Preservative:	Cool	Date Analyzed:	07-17-08
Condition:	Intact		

	Analytical	· · · · · · · · · · · · · · · · · · ·		
Parameter	Result	Units		
рН	8.68	s.u.		
Conductivity @ 25° C	148	umhos/cm		
Total Dissolved Solids @ 180C	92.0	mg/L		
Total Dissolved Solids (Calc)	86.2	mg/L		
SAR	0.2	ratio		
Total Alkalinity as CaCO3	78.0	mg/L		
Total Hardness as CaCO3	44.3	mg/L		
Bicarbonate as HCO3	78.0	mg/L	1.28	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	4.91	mg/L	0.08	meq/L
Nitrite Nitrogen	0.187	mg/L	0.00	meq/L
Chloride	1.65	mg/L	0.05	meq/L
Fluoride	0.456	mg/L	0.02	meg/L
Phosphate	1.90	mg/L	0.06	meq/L
Sulfate	7.58	mg/L	0.16	meg/L
Iron	11.6	· mg/L	0.42	meq/L
Calcium	9.50	mg/L	0.47	meq/L
Magnesium	5.01	mg/L	0.41	meq/L
Potassium	4.67	mg/L	0.12	meq/L
Sodium	3.02	mg/L	0.13	meq/L
Cations			1.55	meg/L
Anions			1.65	meq/L
Cation/Anion Difference			5.89%	

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: Drill Mud.

Analyst

(1 Musturn L) cetters Review



CATION / ANION ANALYSIS

Client	ConocoPhillips	Project #:	96052-0026
Sample ID:	Mudge Fed #2	Date Reported:	07-22-08
Laboratory Number:	46403	Date Sampled:	07-15-08
Chain of Custody:	4635	Date Received:	07-16-08
Sample Matrix:	Soil Extract	Date Extracted:	07-16-08
Preservative:	Cool	Date Analyzed:	07-17-08
Condition:	Intact		

	Analytical	4		
Parameter	Result	Units		
pH	11.47	s.u.		
Conductivity @ 25° C	2,400	umhos/cm		
Total Dissolved Solids @ 180C	956	mg/L		
Total Dissolved Solids (Calc)	973	mg/L		
SAR	16.9	ratio		
Total Alkalinity as CaCO3	410	mg/L		
Total Hardness as CaCO3	151	mg/L		
Bicarbonate as HCO3	<0.1	mg/L	0.00	meq/L
Carbonate as CO3	152	mg/L	5.07	meq/L
Hydroxide as OH	258	mg/L	15.17	meq/L
Nitrate Nitrogen	1.67	mg/L	0.03	meq/L
Nitrite Nitrogen	<0.1	mg/L	0.00	meq/L
Chloride	135	mg/L	3.81	meq/L
Fluoride	0.503	mg/L	0.03	meq/L
Phosphate	0.400	mg/L	0.01	meq/L
Sulfate	20.4	mg/L	0.42	meq/L
iron	<0.01	· mg/L	0.00	meq/L
Calcium	60.4	mg/L	3.01	meq/L
Magnesium	<0.1	mg/L	0.00	meq/L
Potassium	27.6	mg/L	0.71	meq/L
Sodium	478	mg/L	20.79	meq/L
Cations			24.51	meg/L
Anions			24.54	meq/L
Cation/Anion Difference			0.09%	

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

Comments: Drill Mud.

Analyst

Mustum Walles



EPA METHOD 418.1 TOTAL PETROLEUM **HYDROCARBONS**

Client:

ConocoPhillips

Project #:

96052-1661

Sample No.:

Date Reported:

3/1/2010

Sample ID:

5 pt Composite

Date Sampled:

2/26/2010

Sample Matrix:

Soil

Date Analyzed:

2/26/2010

Preservative:

Cool

Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

32

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:

Mudge Federal #2

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Review

James McDaniel

Toni McKnight

Printed



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

26-Feb-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
ТРН	100		
	186	185	
	500		
	1000		

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

3/1/2010 Date
3/2/10
Date

Print Name

Submit To Appropri Two Copies	riate District O	ffice		State of New Mexico			•		Form C-105						
District I 1625 N, French Dr.	., Hobbs, NM 8	38240	E	Energy, Minerals and Natural Resou			sources		1. WELL API NO.				July 17, 2008		
District II 1301 W. Grand Av				Oil Conservation Division					30-045-33290						
District III 1000 Rio Brazos R					20 South S					2. Type of Lo			- 5	7 cco/mo	LANI
District IV 1220 S. St. Francis					Santa Fe, N			1,		STA 3. State Oil &		ELease N		FED/IND	IAN
										I-149-IND					
		ETION O	R REC	COMPL	ETION RE	POF	RT AND	LOG			(Children britain)	termination of the contract of	Charles and a second	ins in	
4. Reason for fil	4. Reason for filing:							5. Lease Nam Mudge Fed		~	ement	Name			
☐ COMPLET	ION REPOR	RT (Fill in bo	oxes #1 th	rough #31	for State and Fee	e wells	only)			6. Well Numb					
C-144 CLOS #33; attach this a	nd the plat to	CHMENT the C-144 c	(Fill in b losure rep	oxes #1 thr	ough #9, #15 Da rdance with 19.1	ate Rig 5.17.1	Released 3.K NMA	and #32 and C)	/or	2					
7. Type of Comp	oletion: WELL V	WORKOVE	R □ DEI	EPENING	□PLUGBACE	×П	DIFFERE	NT RESERV	/OIF	R 🗆 OTHER					
8. Name of Opera	ator		<u> </u>					11111111111	0.11	9. OGRID					
ConocoPhilli 10. Address of O		iny	_							217817 11. Pool name	or W	/ildcat			
PO Box 4298, Fa		M 87499									01 11	nacat			į
12.Location	Unit Ltr	Section	Tov	wnship	Range	Lot		Feet from t	the	N/S Line	Fee	t from th	e E/\	W Line	County
Surface:	_	ļ				ļ <u>.</u>					ļ		\bot		,
BH:	1 14 Dete	T.D. D l.	1 1	5. Data Dia	D-11		116	Data Carre	1-4	I (D I. t. D			17 51:		T I DKD
13. Date Spuddee	d 14. Date	T.D. Reache		 Date Rig 2/21/2007 	Released		16.	Date Comp.	ieted	l (Ready to Proc	iuce)			vations (DF R, etc.)	and KKB,
18. Total Measur	ed Depth of	Well	19	9. Plug Bac	k Measured Dep	oth	20.	Was Direct	tiona	al Survey Made	?	21. Ty	pe Ele	etric and O	ther Logs Run
22. Producing In	terval(s), of the	his completion	on - Top,	Bottom, Na	ame		I					<u></u>			
23.				CAS	ING REC	ORI	D (Repo	ort all st	ring	gs set in w	ell)				
CASING SI	ZE	WEIGHT	LB./FT.		DEPTH SET		HC	LE SIZE		CEMENTIN	G RE	CORD		AMOUNT	PULLED
													<u> </u>		·····
			,												
				LD	ED DECORD						T IDI	NO DE			
SIZE	TOP		BOTTON		ER RECORD SACKS CEM	ENT	SCREEN	1	25. SIZE			NG RE			ER SET
26 8 6	16.4							n allam	-			VIII. 0.04			
26. Perforation	record (inter	vai, size, and	ı number)	,	1			ID, SHOT, INTERVAL		ACTURE, CE					
									_						
	_		_			DD.	DIG	DION							
Date First Produc	rtion	Pro	duction N	Aethod (Fla	owing, gas lift, p		DDUC		1	Well Status	(Pro	d or Shi	ıt_in)		
														· · · · · · · · · · · · · · · · · · ·	
Date of Test	Hours Te	ested	Choke S	ize	Prod'n For Test Period		Oil - Bbl	İ	Gas	s - MCF	W	ater - Bb	1.	Gas - C	Dil Ratio
Flow Tubing Press.	Casing P	ressure	Calculate Hour Ra		Oil - Bbl.		Gas -	- MCF	1	Water - Bbl.		Oil G	avity -	API - (Cor	r.)
29. Disposition o	f Gas <i>(Sold, 1</i>	used for fuel.	vented, e	tc.)							30.	 Test Witr	essed	Bv	
31. List Attachments															
32. If a temporary	32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.														
33. If an on-site burial was used at the well, report the exact location of the on-site burial:															
33. II un on site t	Latitude 36.4487778°N Longitude 108.0389444°W NAD 1927 1983														
I hereby certij	fy that the	informatio	on show	n on both	sides of this	form	is true o	and compl	ete	to the best o	f my	knowle	dge c	and belief	r
Signature 2	thel	Ta	lly	Prin Nam	ited ne Ethel Tal	ly	Title: S	taff Regu	lato	ory Technicia	n	Date	: 3	125	10
E-mail Address_ethel.tally@conocophillips.com															

ConocoPhillips

Pit Closure Form:		
Date: <u>1115/08</u>	<u> </u>	
Well Name: Mudage	fed. #2	-
Footages:		Unit Letter:
Section: <u>3</u> , T- <u>26</u> -	-N, R- <u>↓</u>	Juan State: 10, 12
Contractor Closing Pit:	Aztec	
Construction Inspector:	Eria Smith	Date: <u>1/15/08</u>
Inspector Signature:	E 22	•

Tally, Ethel

From:

Busse, Dollie L

Sent:

Thursday, July 10, 2008 2:12 PM

To:

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

Cc:

Chavez, Virgil E; Kramme, Jeff L; Smith Eric (sconsulting.eric@gmail.com); 'Aztec

Excavation', 'G Meador', Randy Flaherty, Blair, Maxwell O; Blakley, Maclovia; Clark, Joan E; Farrell, Juanita R; Finkler, Jane; Maxwell, Mary A (SOS Staffing Services, Inc.); McWilliams,

Peggy L; Seabolt, Elmo F

Subject:

Clean Up Notice - Mudge Fed 2

Importance:

High

Attachments:

Mudge Federal 2.pdf

Aztec Excavation will move a tractor to the Mudge Fed 2 on Tuesday, July 15 to start the reclamation process. Please contact Eric Smith (608-1387) if you have any questions or need additional information. Thanks!

Dollie

Network #: 10142925 (HZ)

Operator:

ConocoPhillips

Legals:

1145' FNL, 690' FEL Section 31, T26N, R11W

Unit Letter 'A' (NENE) San Juan County, NM

API #:

30-045-33290

Surface/Minerals:

Tribal surface / Navajo Allotted minerals



Mudge Federal 2.pdf (162 KB)

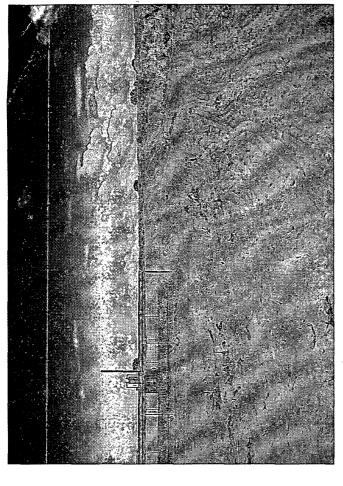
Dollie L. Busse

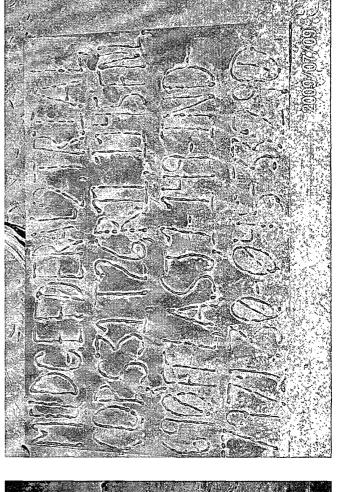
ConocoPhillips Company-SJBU Construction Technician Project Development 505-324-6104 505-599-4062 (fax)

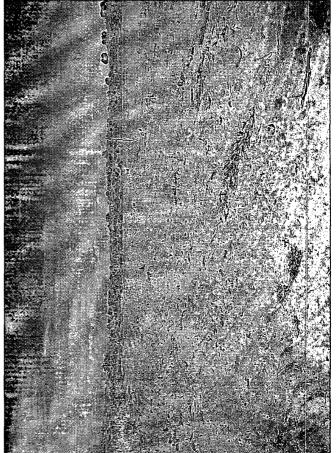
Dollie.L.Busse@conocophillips.com

ConocoPhillips

Reclamation Form:	
Date: 9/10/08	
Well Name: Mudge	Ged#2
Footages: 1145 CNL	490 €51 Unit Letter: A
Section: <u>31</u> , T- <u>26</u> -	N, R-//W, County: Son Juon State: N.M.
Reclamation Contractor:	Aztec
Reclamation Date:	8/20/08
Road Completion Date:	8/20/08
Seeding Date:	9/9/08
	£\$
Construction Inspector:	Eric Snith Date: 9/10/08
Inspector Signature:	5.22









WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

DATE INSPECTOR	SAFETY	LOCATION	PICTURES	
INSPECTOR				
	CHECK	CHECK	TAKEN	COMMENTS
Eric Smith	×	×		Rig on Location
Eric Smith	×	×	×	Small hole in liner, called contractor
Eric Smith	×	×	×	
Eric Smith	×	×	×	
Eric Smith	×	×	×	holes in liner called contractor to repair
Eric Smith	×	×	×	
Eric Smith				Rig on Location
Johnny R. McDonald	×	×	×	Small hole in liner, called contractor
Jared Chavez	×	×	×	Pit and Liner in good condition
Jared Chavez	×	×	×	Liner needs to be repaired.
Jared Chavez	×	×	×	Pit and Liner in good condition
Scott Smith	×	×	×	Pit and Liner in good condition
Scott Smith	×	×	×	Pit and Liner in good condition
Scott Smith	×	×	X	Pit and Liner in good condition
Scott Smith	×	×	×	Small hole in liner, called contractor
Scott Smith	×	×	X	Pit and Liner in good condition
Scott Smith	×	×	×	Pit and Liner in good condition