District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

Diatriat III

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

 $\label{eq:July 21,2008} \mbox{ July 21,2008}$ For temporary pits, closed-loop sytems, and below-grade

Form C-144

For temporary pits, closed-loop systems, and below-grade 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 appropriate NMOCD District Office.

1220 S. St. Francis Dr., Santa Fe, NM 87505	appropriate NMOCD District Office.
0124	Pit, Closed-Loop System, Below-Grade Tank, or osed Alternative Method Permit or Closure Plan Application
Please be advised that approval o	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 cplication (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the live the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: Burlington Resources Oi Address: P.O. Box 4289, Farming Facility or well name: HUERFANI	on, NM 87499
	0-045-34254 OCD Permit Number:
U/L or Qtr/Qtr: H(SE/NE) Section Center of Proposed Design: Latitude Surface Owner: X Federal	on: 1 Township: 26N Range: 9W County: San Juan
X Lined Unlined L X String-Reinforced	Ravitation P&A ner type: Thickness 20 mil X LLDPE HDPE PVC Other actory Other Volume: 4400 bbl Dimensions L 65' x W 45' x D 10'
Type of Operation: P&A Drying Pad Above Ground Unlined Line	ion H of 19.15.17.11 NMAC Drilling a new well
	OIL CONS. DIV. DIST
5 Alternative Method: Submittal of an exception request is rec	juired. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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, instituted from foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	tion or church)
Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks) Screen Netting Other Monthly inspections (If netting or screening is not physically feasible)		
Signs: Subsection C of 19.15.17.11 NMAC 12" X 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers X Signed in compliance with 19.15.3.103 NMAC		
Administrative Approvals and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance. Please check a box if one or more of the following is requested, if not leave blank: Administrative approval(s): Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration (Fencing/BGT Liner) Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	eration of appi	roval.
Siting Criteria (regarding permitting) 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.		
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes	No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes	□No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.	Yes	No
(Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	□NA	
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applied to permanent pits)	Yes NA	No
 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 purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. 	Yes	No
- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.		_
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended - Written confirmation or verification from the municipality: Written approval obtained from the municipality	Yes	No
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	Yes	No
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	Yes	No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	Yes	No
Within a 100-year floodplain - FEMA map	Yes	No

Form C-144

Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment ChecklistSubsection 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
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 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
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
Closure Flair - based upon the appropriate requirements of Subsection C of 19.13.17.3 NWIAC and 19.13.17.13 NWIAC
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

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16 Waste Remoyal Closure For Closed-loop Systems That Utilize Above Ground St	reel Tanks or Haul-off Bins Only:(19.15.17.13.D NMAC)			
Instructions: Please identify the facility or facilities for the disposal of liquids, drilling facilities are required.	g fluids and drill cuttings. Use attachment 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 active 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 appro Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection Plan - based upon the appropr	priate requirements of Subsection H of 19.15.17.13 Nection I of 19.15.17.13 NMAC	IMAC		
17 Siting Criteria (Regarding on-site closure methods only; 19.15, 17.10 NMA Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recetain siting criteria may require administrative approval from the appropriate district office of office for consideration of approval. Justifications and/or demonstrations of equivalency are re	ecommendations of acceptable source material are provided below r may be considered an exception which must be submitted to the S.	. Requests regarding changes to anta Fe Environmental Bureau		
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS: Data of	otained from nearby wells	Yes No		
Ground water is between 50 and 100 feet below the bottom of the buried wa	iste	Yes No		
- NM Office of the State Engineer - iWATERS database search; USGS; Data ob	tained 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 ob	tained from nearby wells	□N/A		
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signi (measured from the ordinary high-water mark).	ficant 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 - Visual inspection (certification) of the proposed site; Aerial photo; satellite image	• •	∐Yes ∐No		
Within 500 horizontal feet of a private, domestic fresh water well or spring that less th purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exi - NM Office of the State Engineer - iWATERS database; Visual inspection (certi Within incorporated municipal boundaries or within a defined municipal fresh water w pursuant to NMSA 1978. Section 3-27-3, as amended.	stence at the time of the initial application. fication) of the proposed site ell field covered under a municipal ordinance adopted	∐Yes ∐No		
 Written confirmation or verification from the municipality; Written approval of Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visual in: 		Yes No		
Within the area overlying a subsurface mine.	spectron (certification) of the proposed site	∏Yes ∏No		
- Written confirantion or verification or map from the NM EMNRD-Mining and	Mineral Division			
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Management of the State of Geology & Management of the State of Geology & Management of Geology & Management of Geology	Mineral Resources; USGS; NM Geological Society;	YesNo		
Topographic map Within a 100-year floodplain FEMA map		Yes No		
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each by a check mark in the box, that the documents are attached.	h of the following items must bee attached to the clo	sure plan. Please indicate,		
Siting Criteria Compliance Demonstrations - based upon the appropr	iate 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				
Construction/Design Plan of Temporary Pit (for in place burial of a d		of 19.15.17.11 NMAC		
Protocols and Procedures - based upon the appropriate requirements Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements		AC		
Waste Material Sampling Plan - based upon the appropriate requirem	•			
Disposal Facility Name and Permit Number (for liquids, drilling fluid		Is 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				

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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) OCD Representative Signature: Approval Date: 1/03///
Title: OCD Permit Number:
Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. X Closure Completion Date: June 19, 2008
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 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)
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: 36.51719 °N Longitude: 107.73446 °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): Marie E. Jaramillo Title: Staff Regulatory Tech Date:
e-mail address:

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

Lease Name: SF-078135 API No.: 30-045-34254

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

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

General Plan:

- 1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.
 - All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).
- 2. The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.
 - The pit was closed using onsite burial.
- 3. The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested.
 - The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)
- 4. Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded.
 - Provision 4 of the closure plan requirements were not met due to rig move off date as noted on C-105 which was prior to pit rule change. Burlington will ensure compliance with this rule in the future.
- 5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
 - i. Operator's name
 - ii. Location by Unit Letter, Section, Township, and Range. Well name and API number.

Notification is attached.

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

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

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

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

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

A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	8.5 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	403 ug/kG
TPH	EPA SW-846 418.1	2500	248mg/kg
GRO/DRO	EPA SW-846 8015M	5 00	51.6 mg/Kg
Chlorides	EPA 300.1	(1000)500	27.9 mg/L

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

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

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

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

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

Dig and Haul was not required.

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

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

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

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

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

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

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

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

The plate will be easily removable and a four foot tall riser will be threaded into the top of the collar marker and welded around the base with the following operator's information at the time of all wells on the pad are abandoned. The riser will be labeled: BR, BLM, HUERFANTIO UNIT 90M, UL-H, Sec. 1, T 26N, R 9W, API # 30-045-34254

Jaramillo, Marie E

From:

Tafoya, Crystal

Sent:

Wednesday, March 04, 2009 11:07 AM

To:

Sessions, Tamra D

Subject:

FW: OCD Pit Closure Notification

From:

Tafoya, Crystal

Sent:

Thursday, July 10, 2008 8:16 AM

To: Subject: 'mark_kelly@nm.blm.gov'
OCD Pit Closure Notification

The following temporary pits will be closed on-site. The new OCD Pit Rule 17 requires the surface owner be notified. Please feel free to contact me at any time if you have any questions. Thank you!

Allison Unit 2B

Allison Unit 40N

Angel Peak B 27E

Ballard 11F

Cain 725S

Canyon Largo Unit 250N

Canyon Largo Unit 279E

Canyon Largo Unit 288E

Canyon largo Unit 297E

Canyon Largo Unit 465E

Carson SRC 4E

Day B 4P

Day B 5A

East 17S

EPNG A 1B

EPNG B 1M

Federal A 1E

Filan 5M

Filan 5N

Fogelson 4 100

Fogelson 4 100S

Grambling C 202S

Hagood 19

Hamner 9S

Hardie 4P

Hare 295

Heaton Com 100

Helms Federal 1G

Howell 12

Huerfanito Unit 103F

Huerfanito Unit 29S

Huerfanito Unit 39S

Huerfanito Unit 47S

Huerfanito Unit 50E

Huerfanito Unit 75E

Huerfanito Unit 83E Huerfanito Unit 87E

Tide Taliko Offic 07 E

Huerfanito Unit 90E

Huerfanito Unit 90M

Huerfanito Unit 98S

Huerfano Unit 108F

Huerfano Unit 282E

Huerfano unit 305

Huerfano unit 307

Huerfano Unit 554

Johnston Federal 24S

King 3

Lackey A Com 100S

Lambe 1C

Lambe 7S

Lively 8M

Lloyd A 100

Lloyd A 100S

Martin 100

McCord B 1F

McDurmitt Com 100S

McManus 13R

Mitchell 1S

Morris A 14

Newberry B 1N

Newsom B 503

Newsom B 8N

Pierce A 210S

Roelofs 1N

San Juan 27-4 Unit 132G

San Juan 27-4 Unit 132M

San Juan 27-4 Unit 139N

San Juan 27-4 Unit 140B

San Juan 27-4 Unit 141M

San Juan 27-4 Unit 147Y

San Juan 27-4 Unit 153B

San Juan 27-4 Unit 22M

San Juan 27-4 Unit 38P

San Juan 27-4 Unit 41N

San Juan 27-4 Unit 42N

San Juan 27-4 Unit 569N

San Juan 27-4 Unit 59N

San Juan 27-4 Unit 60M

San Juan 27-5 Unit 113F

San Juan 27-5 Unit 59N

San Juan 27-5 Unit 84N

San Juan 27-5 unit 901 San Juan 27-5 Unit 902

San Juan 27-5 Unit 903

San Juan 27-5 Unit 904

San Juan 27-5 Unit 905

San Juan 27-5 Unit 906

San Juan 27-5 Unit 907

San Juan 27-5 Unit 908

San Juan 27-5 Unit 909

San Juan 27-5 Unit 910 San Juan 27-5 Unit 912

San Juan 27-5 Unit 913

San Juan 27-5 Unit 914

San Juan 27-5 Unit 915

San Juan 27-5 Unit POW 916

San Juan 28-4 Unit 27M

San Juan 28-5 Unit 54F

San Juan 28-5 Unit 62E

San Juan 28-5 Unit 63M

San Juan 28-5 Unit 76N

San Juan 28-5 Unit 77N

San Juan 28-6 Unit 113N

San Juan 28-6 Unit 459S

San Juan 28-7 Unit 151E

San Juan 28-7 Unit 195P

San Juan 29-6 Unit 22N

San Juan 29-6 Unit 8M

San Juan 29-7 Unit 30N

San Juan 29-7 Unit 57E

San Juan 29-7 unit 587

San Juan 29-7 Unit 588

San Juan 29-7 unit 589

San Juan 29-7 Unit 60N

San Juan 29-7 unit 67M

San Juan 29-7 Unit 70M

San Juan 30-5 Unit 27F

San Juan 30-5 Unit 71F

San Juan 30-5 Unit 73N

San Juan 30-6 Unit 441S

San Juan 31-6 Unit 24F

San Juan 31-6 Unit 27M

San Juan 31-6 Unit 31P

San Juan 31-6 Unit 39M

San Juan 31-6 Unit 3M

San Juan 31-6 Unit 45N

San Juan 31-6 Unit 49P

San Juan 31-6 Unit 4N

San Juan 31-6 Unit 4P

San Juan 31-6 Unit 6F

San Juan 31-6 Unit 7M

San Juan 31-6 Unit 8N

San Juan 32-7 Unit 18M

San Juan 32-7 Unit 19A

San Juan 32-7 Unit 71A

San Juan 32-7 Unit Com 20

San Juan 32-8 Unit 18N

San Juan 32-8 Unit 30M

San Juan 32-8 Unit 49M

Storey B LS 100

Storey B LS 100S

Sunray E 221S

Sunray G 2C

Vaughn 15N

Wood 3M

Wood 3N

Crystal L. Tafoya Regulatory Technician

ConocoPhillips Company San Juan Business Unit

Phone: (505) 326-9837

Email: Crystal.Tafoya@conocophillips.com

DISMICE : 1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT (I 1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III 1000 Rio Brozas Rd., Aztec, N.N. 87410

DISTRICT IV 1720 South St. Francis Dr., Santa Fe, NM 87505 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Or
Santa Fe, NM 87505

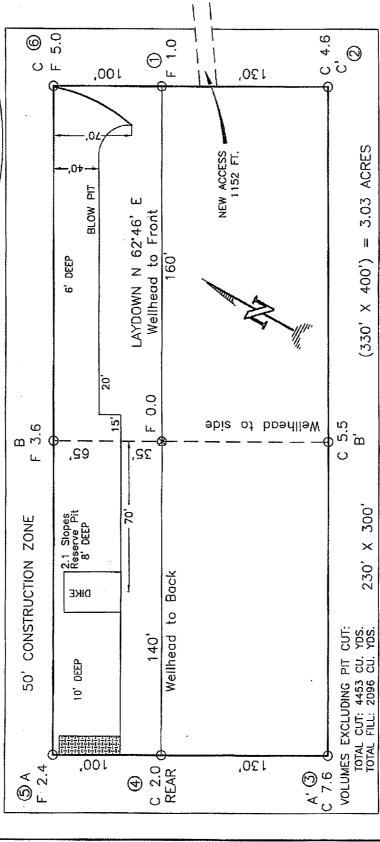
Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

		V	VELL L		UNA V	ACREAC	E DEDI	CATION PL	man to the testing of the contract of the cont	
¹ API	Number			² Pool Cade				Post Name	!	
*Property Co	ode	-			HUERFAN	ITO UNIT		n to and and the group insulate order	• 1	90M
FOGRID No			BURLI	NGTON RE	*Opera SOURCES	OIL & GAS	COMPAN	Y LP		Elevation 6130
					¹⁰ Surfa	ce Local	ion			
ui, or lat no. H	Section	Township 26-N	Ronge 9~W	Lot Idn	Feel from the 2480	1 .	South line RTH	Feet from the 660	East/West Inc EAST	County SAN JUAN
 / 1 	-	L. ,	" Botte	om Hole	Locatio	n If Diffe	erent Fro	m Surface		
JL or lot no.	Section	Township	Range	Lat Idn	Feet from th		South line	Feel from the	East/West line	County
Oedicated Asre	<u></u>	<u> </u>	oint or Infill	.,	¹⁴ Gensolidatio	n Code		Order No		
LOT 4	VABLE V	OR A N	ION-STA	NDARD	UNIT HAS	BEEN A		BY THE DIV 17 OP 8C I hereby corte is true and e belief, and th interest or or	HAVE BEEN C VISION PERATOR CER If that the information complete to the best of that this organization eitherbeated mineral interest increases organized mineral interest increases and the second mineral interest increases.	TIFICATION contained horizon my knowledge and or owns a working in the fond
t / - Power Anna Basiness		anno essa dell'alcono no. en pr	SF-0	78135		2480	N 4.2741" E	entroct with interest, or I computary p division		nerel or xorking reament or a
		LAT: LONG: 1 LAI LONG	36.51711 07.73445 6 36'31.02 107'44.03	1	0 83) 0 83) 0 83) 0 27) 0 27)	FO	660' 2 1/2" BC 1947 GLO	I hereby cartif	JRVEYOR CEF by that the well focation orn field notes of octue supervision, and that to that of my belief R A RESPONDENCE R S S S S R R S S S S S S S S S S S S	n shown on this plan is a surveys made by n the same is true on Surveys

BURLINGTON RESOURCES OIL & GAS COMPANY LP SECTION 1, T-26-N, R-9-W, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO HUERFANITO UNIT No. 90M 2480 FNL 660 FEL GROUND ELEVATION: 6130, DATE: OCTOBER 30, 2006





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

NOTE: ESTIMATED VOLUMES CALCULATED BY AVERAGE END AREA AT CROSS-SECTION SHOWN DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. NOTE:

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

P. O. Box 15068 · Formington, NM 87401 Phone (505) 326-1772 · Fax (505) 326-6919 Daggett Enterprises, Inc. Surveying and Oil Field Services

NEW MEXICO L.S. 8894

OWALD BR652_PLB

DME: 11/03/06



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M	Date Reported:	07-01-08
Laboratory Number:	46040	Date Sampled:	06-20-08
Chain of Custody No:	3822	Date Received:	06-20-08
Sample Matrix:	Soil	Date Extracted:	06-26-08
Preservative:		Date Analyzed:	06-27-08
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	9.7	0.2
Diesel Range (C10 - C28)	41.9	0.1
Total Petroleum Hydrocarbons	51.6	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

Moster m Wceter Review



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M Background	Date Reported:	07-01-08
Laboratory Number:	46041	Date Sampled:	06-20-08
Chain of Custody No:	3822	Date Received:	06-20-08
Sample Matrix:	Soil	Date Extracted:	06-26-08
Preservative:		Date Analyzed:	06-27-08
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

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EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	06-27-08 QA/QC	Date Reported:	07-01-08
Laboratory Number:	46036	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-27-08
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF: 9	6 Difference	Accept, Range
Gasoline Range C5 - C10	05-07-07	9.8440E+002	9.8480E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.8044E+002	9.8083E+002	0.04%	0 - 15%

Blank Conc. (mg/L = mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	0,2

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	118	117	0.6%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	253	101%	75 - 125%
Diesel Range C10 - C28	118	250	359	97.6%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 46036 - 46041 and 46043 - 46046.

Analyst



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M	Date Reported:	07-01-08
Laboratory Number:	46040	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20-08
Sample Matrix:	Soil	Date Analyzed:	06-27-08
Preservative:		Date Extracted:	06-26-08
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)	
Benzene	8.5	0.9	
Toluene	106	1.0	
Ethylbenzene	28.5	1.0	
p,m-Xylene	196	1.2	
o-Xylene	63.6	0.9	
Total BTEX	403		

ND - Parameter not detected at the stated detection limit.

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

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

Drill Mud.

Analyst

Mostum Dalter Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M Background	Date Reported:	07-01-08
Laboratory Number:	46041	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20 - 08
Sample Matrix:	Soil	Date Analyzed:	06-27-08
Preservative:		Date Extracted:	06-26-08
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

Mustine musetens Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	06-27-BT QA/QC	Date Reported:	07-01-08
Laboratory Number:	46036	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	06-27-08
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L	l⊧€al⊧RF:)	C-Cal RF: Accept. Rang	%Diff. ge 0 - 15%	Blank Conc	Detect: Limit
Benzene	1.5625E+007	1.5656E+007	0.2%	ND	0.1
Toluene	1.3054E+007	1.3080E+007	0.2%	ND	0.1
Ethylbenzene	9.1646E+006	9.1830E+006	0.2%	ND	0.1
p,m-Xylene	2.1626E+007	2.1670E+007	0.2%	ND	0.1
o-Xylene	8.5297E+006	8.5468E+006	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample Di	ıplicate	%Diff.	Accept Range	Detect. Limit	
Benzene	1.1	1.2	9.1%	0 - 30%	0.9	
Toluene	2.9	3.2	10.3%	0 - 30%	1.0	
Ethylbenzene	6.1	6.2	1.6%	0 - 30%	1.0	
p,m-Xylene	11.2	11.4	1.8%	0 - 30%	1.2	
o-Xylene	4.5	4.7	4.4%	0 - 30%	0.9	

Spike Conc. (ug/Kg)	Sample Amo	iunt Spiked Spik	ed Sample	% Recovery	Accept Range
Benzene	1.1	50.0	50.6	99.0%	39 - 150
Toluene	2.9	50.0	52.3	98.9%	46 - 148
Ethylbenzene	6.1	50.0	55.9	99.6%	32 - 160
p,m-Xylene	11.2	100	108	97.3%	46 - 148
o-Xylene	4.5	50.0	54.4	99.8%	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 Hatogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments:

QA/QC for Samples 46036 - 46041 and 46043 - 46046.

Analyst

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TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M	Date Reported:	07-01-08
Laboratory Number:	46040	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20-08
Sample Matrix:	Soil	Date Analyzed:	06-27-08
Preservative:		Date Digested:	06-26-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.336	0.001	5.0
Barium	10.2	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.755	0.001	5.0
Lead	0.096	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.010	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

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



TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M Background	Date Reported:	07-01-08
Laboratory Number:	46041	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20-08
Sample Matrix:	Soil	Date Analyzed:	06-27-08
Preservative:		Date Digested:	06-26-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.381	0.001	5.0
Barium	9.23	0.001	100
Cadmium	0.001	0.001	1.0
Chromium	0.528	0.001	5.0
Lead	0.093	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	ND	0.001	1.0
Silver	0.006	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



TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client:	QA/QC	Project #:	QA/QC
Sample ID:	06-27 TM QA/AC	Date Reported:	07-01-08
Laboratory Number:	46036	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Analysis Requested:	Total RCRA Metals	Date Analyzed:	06-27-08
Condition:	N/A	Date Digested:	06-26-08

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	on Sample	Duplicate	o % Diff.	Acceptance Range
Arsenic	ND	ND	0.001	0.185	0.183	1.3%	0% - 30%
Barium	ND	ND	0.001	9.43	9.38	0.5%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Chromium	ND	ND	0.001	0.252	0.248	1.5%	0% - 30%
Lead	ND	ND	0.001	0.385	0.387	0.4%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	0.021	0.021	1.9%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

Spike Conc. (mg/Kg)	Spike Added	Sample	e Spiked Sample		Acceptance Range
Arsenic	0.250	0.185	0.485	111%	80% - 120%
Barium	0.500	9.43	9.41	94.8%	80% - 120%
Cadmium	0.250	ND	0.294	118%	80% - 120%
Chromium	0.500	0.252	0.760	101%	80% - 120%
Lead	0.500	0.385	0.855	96.6%	80% - 120%
Mercury	0.100	ND	0.118	118%	80% - 120%
Selenium	0.100	0.021	0.104	86.0%	80% - 120%
Silver	0.100	ND	0.086	85.6%	80% - 12 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

Spectorscopy, SW-846, USEPA, December 1996.

Comments:

QA/QC for Samples 46036 - 46041and 46043 - 46046.

Analyst



CATION / ANION ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M	Date Reported:	07-01-08
Laboratory Number:	46040	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20-08
Sample Matrix:	Soil Extract	Date Extracted:	06-26-08
Preservative:		Date Analyzed:	06-27-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
рН	8.94	s.u.		
Conductivity @ 25° C	1,060	umhos/cm		
Total Dissolved Solids @ 180C	560	mg/L		
Total Dissolved Solids (Calc)	596	mg/L		
SAR	14.7	ratio		
Total Alkalinity as CaCO3	138	mg/L		
Total Hardness as CaCO3	30.9	mg/L		
Bicarbonate as HCO3	138	mg/L	2.26	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	<0.1	mg/L	0.00	meq/L
Nitrite Nitrogen	<0.01	mg/L	0.00	meq/L
Chloride	27.9	mg/L	0.79	meq/L
Fluoride	0.575	mg/L	0.03	meq/L
Phosphate	<0.1	mg/L	00,0	meq/L
Sulfate	280	mg/L	5.83	meq/L
Iron	0.204	mg/L	0.01	meq/L
Calcium	11.1	mg/L	0.55	meq/L
Magnesium	0.758	mg/L	0.06	meq/L
Potassium	4.31	mg/L	0.11	meq/L
Sodium	188	mg/L	8.18	meq/L
Cations			8.91	meq/L
Anions			8.91	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: Drill Mud.

Analyst

/ Mother Weste Review



CATION / ANION ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Huerfanito #90M Background	Date Reported:	07-01-08
Laboratory Number:	46041	Date Sampled:	06-20-08
Chain of Custody:	3822	Date Received:	06-20-08
Sample Matrix:	Soil Extract	Date Extracted:	06-26-08
Preservative:		Date Analyzed:	06-27-08
Condition:	Intact		

	Analytical			
Parameter	Result	Units		
рН	7.56	s.u,		
Conductivity @ 25° C	592	umhos/cm		
Total Dissolved Solids @ 180C	328	mg/L		
Total Dissolved Solids (Calc)	309	mg/L		
SAR	3.1	ratio		
Total Alkalinity as CaCO3	41.0	mg/L		
Total Hardness as CaCO3	87.3	mg/L		
Bicarbonate as HCO3	41.0	mg/L	0.67	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	0.6	mg/L	0.01	meg/L
Nitrite Nitrogen	0.001	mg/L	0.00	meq/L
Chloride	29.0	mg/L	0.82	meg/L
Fluoride	0.78	mg/L	0.04	meq/L
Phosphate	2.40	mg/L	0.08	meq/L
Sulfate	150	mg/L	3.12	meq/L
Iron	0.608	mg/L	0.02	meq/L
Calcium	27.9	mg/L	1.39	meq/L
Magnesium	4.28	mg/L	0.35	meg/L
Potassium	2.11	mg/L	0.05	meq/L
Sodium	67.0	mg/L	2.91	meq/L
Cations			4.73	meq/L
Anions			4.74	meq/L
Cation/Anion Difference			0.11%	

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

Mistum Western Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Burlington

Sample No.: Sample ID:

Soil

Sample Matrix: Preservative:

Condition:

Cool

Cool and Intact

5-Point Composite

Project #:

92115-1219

Date Reported:

4/15/2010

Date Sampled: Date Analyzed: 3/31/2010 3/31/2010

Analysis Needed:

TPH-418.1

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

Total Petroleum Hydrocarbons

248

5.0

ND = Parameter not detected at the stated detection limit.

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments:

Huerfanito #90M

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Barian Williamson

Printed

Sherry Auckland

Printed



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal. Date:

31-Mar-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
TPH	100		
	232	235	
	500		
	1000		

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

Analyst

4-15-10

Barian Williamson

Print Name

Shew Buckles

Date

Sherry Auckland

Print Name

Submit To Appropria Two Copies	ite District Off	ice			State of Ne										rm C-105
District I 1625 N. French Dr., I	Hobbs, NM 88	240	Ene	ergy, l	Minerals and	d Nat	ural R	esourc	es	1. WELL	A DI N	JO.			July 17, 2008
District II 1301 W. Grand Aven				0.11		4' 1	-			30-045-342		vo.			
District III 1000 Rio Brazos Rd.					Conserva 20 South S					2. Type of Le					
District IV					Santa Fe, 1					STA 3. State Oil &		FEE Lease No.		ED/IND	IAN
1220 S. St. Francis D	or., Santa Fe, N	M 8/505			Sama Pe, 1	NIVI C				SF-078135					
		TION OR	RECC	MPL	ETION RE	POR	T AN	D LO	<u> </u>						
4. Reason for filin	ıg:									Lease Nam HUERFANIT			ment Na	ime	
COMPLETIC	ON REPORT	Γ (Fill in boxe	#1 throu	gh #31	for State and Fe	e wells	only)			6. Well Numb	er:				
⊠ C-144 CLOSU #33; attach this and									2 and/or) (IVI					
7. Type of Comple NEW W	etion:				□PLUGBACI				SERVOIR	C OTHER					
8. Name of Operate Burlington Resource		Company I P								9. OGRID 14538					
10. Address of Ope		Company, Li								11. Pool name	or Wi	ldcat			
12.25cation	Unit Ltr	Section	Towns	hip	Range	Lot		Feet f	rom the	N/S Line	Feet	from the	E/W I	Line	County
Surface:			_			ļ		ļ							
BH:	14 Data T	D. Reached	115.5	Note Die	Released	<u> </u>	11	Doto C	\ames lata i	(Doods to Dec	1	117	7 Elever	iona (DI	and DVD
13. Date Spudded	14. Date 1	.D. Reached	11/1		Released		1	o. Date C	ompietec	l (Ready to Prod	iuce)		T, GR, e		and RKB,
18. Total Measured	d Depth of W	/ell	19. F	lug Bac	k Measured De	pth	2). Was I	Directiona	ıl Survey Made	?	21. Typ	e Electr	ic and O	ther Logs Run
22. Producing Inter	rval(s), of thi	is completion ·	Top, Bot	tom, Na	ıme			./				-			
23.			*** *** ***	CAS	ING REC	ORI	(Re	ort al	l strin	gs set in w	ell)				
CASING SIZ	Е	WEIGHT LB			DEPTH SET			OLE SIZ		CEMENTIN		CORD	Al	MOUNT	PULLED
										<u> </u>					
										1					
24				LIND	ED DECORD				125]	אומוזי	IC DEC	000		
SIZE	TOP	ВС	TTOM	LIN	ER RECORD SACKS CEM	ENT	SCREI	EN	25 S12			NG REC		PACK	ER SET
											\bot				
26. Perforation r	record (interv	ral, size, and n	ımber)				27 Δ	CID CH	IOT ED	ACTURE, CE	MEN	T SOLU	FE7E	ETC	
20. I CHOIAGOILI	ccord (micry	ai, size, and ii	inioci j			l		INTER		AMOUNT A					
							-			<u> </u>					
28.		·				PRC	DUC	CTIO	N	<u> </u>					
Date First Producti	ion	Produ	ction Met	hod (Fla	owing, gas lift, p					Well Status	s (Prod	l. or Shut-	-in)		

Date of Test	Hours Tes	ted C	noke Size		Prod'n For Test Period		Oil - B	bl	Ga	s - MCF	Wa	ater - Bbl.		Gas - C	Oil Ratio
Flow Tubing	Casing Pro		lculated .	24-	Oil - Bbl.		Ga	s - MCF		Water - Bbl.		Oil Gra	vity - A	PI - (Cor	r.)
Press.	Cas (Sald		our Rate								ו אר ד	est Witne	seed Bu	,	
29. Disposition of 31. List Attachmer		sea jor juei, ve	ntea, etc.)								30. 1	est with	SSCU Dy		
32. If a temporary		at the well at	aah a nlat	math th	a location of the	tamna	rom, nit						-		
32. If a temporary	•	١.	•			-									
		Latitude 36.	51719°N	Long	gitude 107.7344	46°W	NAD [11927 ⊠	1 1983						
I hereby certify	that theji	nformation	shown	on both	h sides of this	s form	is true	and co	omplete	to the best o	of my	knowled	dge an	d belie,	f
Signature \	1/ MW	M WC	W W	/ Prii Nan	ited ne Marie E.	Jaran	nillo	Title:	Staff F	Regulatory T	echni	cain	Date	: 5/4/20	010
E-mail Addres	s marie.e.	jaramillo@	conocop	hillips	s.com										

ConocoPhillips Pit Clasure Form:	
Date: 6/20/08	
Well Name: Huerfanito#90m	
Footages: Unit Lett	er: <u>#</u>
Section: 2, 1-26-N, R-9-W, County: San J nam	State: <u>N ~~</u>
Pit Closure Date: 6/19/08	· · · · · · · · · · · · · · · · · · ·
Confractor Closing Pit: A - 2	
Eric Smith 6/20	108
Construction inspector Name Date	ConocaPhillips

Revised 10/22/07

Jaramillo, Marie E

From:

Busse, Dollie L

Sent:

Tuesday, June 17, 2008 9:48 AM

To:

Erinn Shirley; Mark Kelly; Robert Switzer; Sherrie Landon

Cc:

Smith Eric (sconsulting.eric@gmail.com); 'A&Z'; 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 - Huerfanito 90M

Importance:

High

Attachments:

Huerfanito unit 90m-(87N).pdf

A-Z Contracting will move a clean up tractor to the **Huerfanito 90M** on **Wednesday**, **June 18, 2008** to start the reclamation process. Please contact Eric Smith (608-1387) if you have any questions or need additional information.

Thanks! Dollie

Network #: 10158936, 10158932



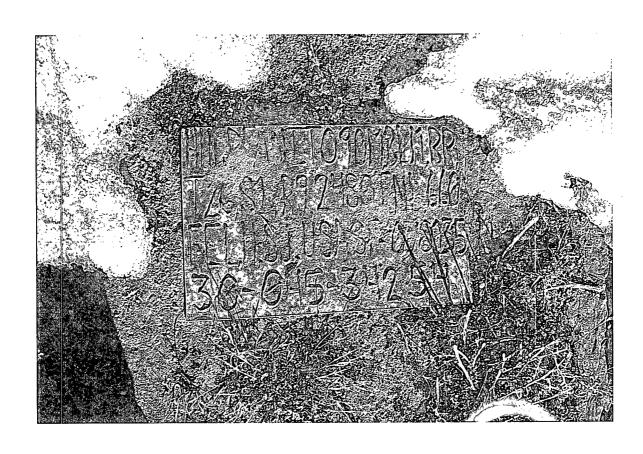
Huerfanito unit 90m-(87N).pdf ...

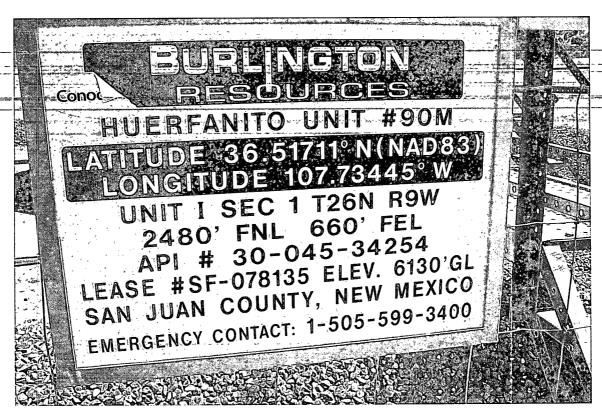
Dollie L. Busse

ConocoPhillips Company-SJBU
Construction Technician
Project Development
505-324-6104
505-599-4062 (fax)
Dollie,L.Busse@conocophillips.com

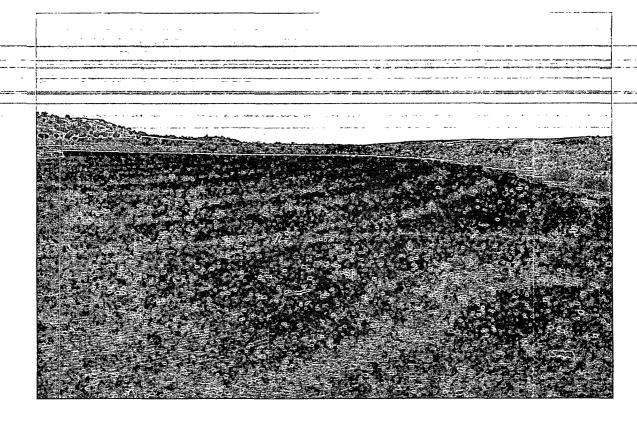
ConocoPhillips

Reclamation Form:				
Date: 5/28/08	_			
Well Name: Horfair	6 Unit SOM			
Footages: $2480'$ F.	NL.,660'FEC	Unit Letter:	I	
Section:, T, T	N, R- $\frac{9}{9}$ -W, County: SJ	State:	NM	
Reclamation Contractor:	A-7 Contacting			
	5-25-08 m			
Road Completion Date:	5-25-08 MP	rox		
Seeding Date:	5-25-08 M	prox.		
			_	
**PIT MAKER STATUS (W	hen Required):			
MARKER PLACED :		<u> </u>	_(DATE)	
LATATUDE:				
LONGITUDE:			- <u></u>	
Construction Inspector: _	Eic Smith	Date:	-28-08	
Inspector Signature				









WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WEI NAME	Hiperfanito linii 90M	5			API 30-045-34754
		CAFETY	NOTATION	PICTIIRES	
DATE	INSPECTOR	CHECK	CHECK	TAKEN	COMMENTS
11/9/2007	11/9/2007 Eric Smith	×	×	×	
11/27/2007 Eric Smith	Eric Smith	×	×	×	Called Nobles to pull pit
12/7/2007	12/7/2007 Eric Smith	×	×	×	Liner has a small tear. Called MVCI & notified OCD
12/19/2007 Eric Smith	Eric Smith	×	×	×	Pull water from blow pit
12/31/2007 Eric Smith	Eric Smith	×	×	×	
1/15/2008	1/15/2008 Eric Smith	×	×	×	
1/23/2008 Eric Smith	Eric Smith	×	×	×	
2/6/2008	2/6/2008 Eric Smith	×	×	×	
2/22/2008 Eric Smith	Eric Smith	×	×	×	Called Nobles to pull water
3/12/2008	3/12/2008 Eric Smith	×	×	×	
4/11/2008	4/11/2008 Johnny McDonald	×	×	×	
4/29/2008	4/29/2008 Jared Chavez				Basic Rig 1524 on location
5/16/2008	5/16/2008 Jared Chavez	×	×	×	Fence needs tightened. Called MVCI
6/3/2008	6/3/2008 Jared Chavez	×	×	×	Pit & location in good condition
6/9/2008 S. Smith	S. Smith	×	×	×	Holes in liner on N & S sides. Called MVCI & OCD
6/16/2008 S. Smith	S. Smith	×	×	×	Small holes in liner, gap under fence @ SE side of pit should be filled in. Contacted MVCI & OCD
6/19/2008					Closed pit
6/23/2008 S. Smith	S. Smith				Pit is closed