District I 1625 N French Dr , Hobbs, NM 88240

District II 1301 W Grand Ave, Artesia, NM 88210

District III 1000 Rio Brazos Rd , Aztec, NM 87410

Energy Minerals and Natural Resources Department Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

State of New Mexico

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

Form C-144

tanks, submit to the appropriate NMOCD District Office

For permanent pits and exceptions submit to the Santa Fe

| District IV 1220 S St Francis Dr , Santa Fe, NM 87505 | Environmental Bureau office and provide a copy to the appropriate NMOCD District Office |
|---|--|
| 4837 | Pit, Closed-Loop System, Below-Grade Tank, or |
| Propo | sed Alternative Method Permit or Closure Plan Application |
| Type of action | Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method |
| | X Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method |
| | Modification to an existing permit |
| | Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method |
| Instructions: Please submit on | e application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative |
| | this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the ve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances |
| Operator Burlington Resources Oi | & Gas Company, LP OGRID# 14538 |
| Address. P.O. Box 4289, Farmingt | on, NM 87499 |
| Facility or well name CANYON L. | ARGO UNIT 279E |
| API Number: 30 | 0-039-30439 OCD Permit Number |
| U/L or Qtr/Qtr I(NE/SE) Section | on 14 Township 25N Range 6W County Rio Arriba |
| Center of Proposed Design Latitude | |
| Surface Owner. X Federal | State Private Tribal Trust or Indian Allotment |
| Permanent Emergency C X Lined Unlined L X String-Reinforced | Actory Other Volume Other Other Other Volume Other |
| Type of Operation P&A Drying Pad Above Grou | on H of 19 15 17 11 NMAC Drilling a new well Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) and Steel Tanks Haul-off Bins Other |
|] | r type |
| 4 Below-grade tank: Subsection Volume | of 19 15 17 11 NMAC 5 JAN 2010 - |
| Tank Construction material | bl Type of fluid OIL CONS. UIV 1915 I. 3 |
| Secondary containment with leak d Visible sidewalls and liner Liner Type Thickness | |
| 5 Alternative Method: | |
| Submittal of an exception request is re- | guired Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval |

Form C-144

Oil Conservation Division

Page 1 of 5

| ę , | | |
|---|-----------------|--------|
| 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, insti | tution or churc | .h) |
| Four foot height, four strands of barbed wire evenly spaced between one and four feet | | |
| Alternate Please specify | | |
| 7 | | |
| Netting: Subsection E of 19 15 17 11 NMAC (Applies to permanent pits and permanent open top tanks) | | |
| Screen Netting Other | | |
| Monthly inspections (If neiting 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 consi (Fencing/BGT Liner) | deration of app | proval |
| Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval | | |
| | | |
| Siting Criteria (regarding permitting) 19 15 17 10 NMAC | | |
| Instructions. The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable | | |
| source material are provided below Requests regarding changes to certain siting criteria may require administrative approval from the | | |
| appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for | | |
| consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17 10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system. | | |
| | | |
| Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. | ∐Yes | ∐No |
| - NM Office of the State Engineer - IWATERS database search, USGS, Data obtained from nearby wells | | _ |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa | ∐Yes | ∐No |
| lake (measured from the ordinary high-water mark). | | |
| - Topographic map, Visual inspection (certification) of the proposed site | <u> </u> | _ |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial | ∐Yes | ∐No |
| application. | | |
| (Applies to temporary, emergency, or cavitation pits and below-grade tanks) | ∐NA | |
| - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image | | |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. | Yes | No |
| (Applied to permanent pits) | □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. | | |
| NA OCC. Cd. Cd. C. C. C. WATERCHAIL V. J. | | |
| - NM Office of the State Engineer - IWATERS database search, Visual inspection (certification) of the proposed site | l | _ |
| Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance | Yes | ∐No |
| adopted pursuant to NMSA 1978, Section 3-27-3, as amended Written confirmation or verification from the municipality. Written approval obtained from the municipality | | |
| Within 500 feet of a wetland. | ∏Yes | □No |
| - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site | | _ |
| Within the area overlying a subsurface mine. | Yes | □No |
| - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division | | _ |
| Within an unstable area. | Yes | No |
| - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological | | |
| Society, Topographic map | | |
| Within a 100-year floodplain | Yes | ∐No |
| - FEMA map | 1 | |

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| Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19 15 17 9 NMAC Instruction: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached |
|--|
| Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC |
| Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9 |
| Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC |
| Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC |
| Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC |
| Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC |
| Previously Approved Design (attach copy of design) API or Permit Number |
| The recensity represents beingst (unual copy of design) |
| 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 Plar |
| Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC |
| Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19 15 17 11 NMAC |
| Nuisance or Hazardous Odors, including H2S, Prevention Plan |
| Emergency Response Plan |
| Oil Field Waste Stream Characterization |
| Monitoring and Inspection Plan |
| Erosion Control Plan Closure Plan - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC |
| Closure Frain - based upon the appropriate requirements of Subsection C of 15 15 17 5 MMAC and 15 15 17 15 MMAC |
| 14 Proposed Closure: 19 15 17 13 NMAC Instructions. Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan |
| Type Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Closed-loop System |
| Alternative |
| Proposed Closure Method Waste Excavation and Removal |
| Waste Removal (Closed-loop systems only) |
| On-site Closure Method (only for temporary pits and closed-loop systems) |
| In-place Burial On-site Trench Burial |
| Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration) |
| 15 |
| Waste Excavation and Removal Closure Plan Checklist: (19 15 17 13 NMAC) Instructions Each of the following items must be attached to the closure plan |
| Please indicate, by a check mark in the box, that the documents are attached |
| Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC |
| Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC |
| Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings |
| Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC |
| Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC |
| Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17 13 NMAC |

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| 16 Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Stee | l 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 j are required | Tuids and drill cuttings. Use attachment if more than two fac | ulities | | |
| Disposal Facility Name | Disposal Facility Permit # | | | |
| Disposal Facility Name | Disposal Facility Permit # | | | |
| Will any of the proposed closed-loop system operations and associated activities Yes (If yes, please provide the information No | occur on or in areas that will not be used for future serv | ice and operations? | | |
| Required for impacted areas which will not be used for future service and operations Soil Backfill and Cover Design Specification - based upon the appropriate 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 | | | | |
| 17 Siting Criteria (Regarding on-site closure methods only: 19 15 17 10 NMAC Instructions Each sting criteria requires a demonstration of compliance in the closure plan Resting criteria may require administrative approval from the appropriate district office or may be consideration of approval. Justifications and/or demonstrations of equivalency are required. Plea | commendations of acceptable source material are provided below - F considered an exception which must be submitted to the Santa Fe Er | | | |
| Ground water is less than 50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search, USGS Data obta | uned from nearby wells | Yes No | | |
| | · | | | |
| Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - JWATERS database search, USGS, Data obtai | ned from nearby wells | Yes No | | |
| Ground water is more than 100 feet below the bottom of the buried waste | | Yes No | | |
| - NM Office of the State Engineer - (WATERS database search, USGS, Data obtain | ned from nearby wells | □N/A | | |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other signific (measured from the ordinary high-water mark) | ant watercourse or lakebed, sinkhole, or playa lake | Yes No | | |
| - Topographic map, Visual inspection (certification) of the proposed site | | | | |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in e - Visual inspection (certification) of the proposed site, Aerial photo, satellite image | | Yes No | | |
| | | Yes No | | |
| Within 500 horizontal feet of a private, domestic fresh water well or spring that less that purposes, or within 1000 horizontal fee of any other fresh water well or spring, in exist - NM Office of the State Engineer - iWATERS database, Visual inspection (certification) | ence at the time of the initial application | | | |
| Within incorporated municipal boundaries or within a defined municipal fresh water we pursuant to NMSA 1978, Section 3-27-3, as amended | | Yes No | | |
| Written confirmation or verification from the municipality, Written approval obta Within 500 feet of a wetland | uned from the municipality | Yes No | | |
| - US Fish and Wildlife Wetland Identification map, Topographic map, Visual insp | ection (certification) of the proposed site | | | |
| Within the area overlying a subsurface mine | formal Donner | Yes No | | |
| Written confirantion or verification or map from the NM EMNRD-Mining and N Writin an unstable area | illierai Division | Tyes No | | |
| Engineering measures incorporated into the design, NM Bureau of Geology & M Topographic map | ineral Resources, USGS, NM Geological Society, | | | |
| Within a 100-year floodplain - FEMA map | | Yes No | | |
| 18 On-Site Closure Plan Checklist: (19 15 17 13 NMAC) Instructions: Each of check mark in the box, that the documents are attached. | of the following items must bee attached to the closure [| olan. Please indicate, by a | | |
| Siting Criteria Compliance Demonstrations - based upon the appropriate | requirements of 19 15 17 10 NMAC | | | |
| Proof of Surface Owner Notice - based upon the appropriate requiremen | ts of Subsection F of 19 15 17 13 NMAC | • | | |
| Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 11 NMAC | | | | |
| Construction/Design Plan of Temporary Pit (for in place burial of a drying pad) - based upon the appropriate requirements of 19 15 17 11 NMAC | | | | |
| Protocols and Procedures - based upon the appropriate requirements of 19 15 17 13 NMAC | | | | |
| Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC | | | | |
| Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC | | | | |
| Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved) Soil Cover Design - based upon the appropriate requirements of Subsection H of 19 15 17 13 NMAC | | | | |
| Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19 15 17 13 NMAC | | | | |
| Site Reclamation Plan - based upon the appropriate requirements of Sub | | | | |

| 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 |
| |
| OCD Approval: Permit Application (including closufe plan) Glosure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date: OCD Permit Number: |
| Closure Report (required within 60 days of closure completion). Subsection K of 19 15 17 13 NMAC Instructions Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report 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: September 2, 2008 |
| 22 Closure Method: Waste Excavation and Removal X On-site Closure Method Alternative Closure Method Waste Removal (Closed-loop systems only) If different from approved plan, please explain |
| 23 Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only Instructions Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed Use attachment if more than two facilities were utilized. |
| Disposal Facility Name Disposal Facility Permit Number |
| Disposal Facility Name Disposal Facility Permit Number |
| Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? |
| Yes (If yes, please demonstrate compliane to the items below) |
| Required for impacted areas which will not be used for future service and operations Site Reclamation (Photo Documentation) |
| Soil Backfilling and Cover Installation |
| Re-vegetation Application Rates and Seeding Technique |
| 24 Closure Report Attachment Checklist: Instructions Each of the following items must be attached to the closure report Please indicate, by a check mark in the box, that the documents are attached |
| X Proof of Closure Notice (surface owner and division) |
| X Proof of Deed Notice (required for on-site closure) |
| X Plot Plan (for on-site closures and temporary pits) |
| X Confirmation Sampling Analytical Results (if applicable) |
| Waste Material Sampling Analytical Results (if applicable) |
| X Disposal Facility Name and Permit Number |
| X Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique |
| X Re-vegetation Application Rates and Seeding Technique X Site Reclamation (Photo Documentation) |
| On-site Closure Location Latitude 36.397045 °N Longitude 107.432121 °W NAD 1927 X 1983 |
| |
| 25 |
| Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is ture, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan. |
| Name (Print) Crystal Tafoya Title Regulatory Technician |
| Signature Date 1/25/2010 |
| e-mail address crystal tafoya@conocophillips.com Telephone 505-326-9837 |

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

Lease Name: CANYON LARGO UNIT 279E

API No.: 30-039-30439

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

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

General Plan:

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division—approved facility or recycle, reuse or reclaim the liquids in a manner that the appropriate division district office approves.

All recovered liquids were disposed of at Basin Disposal (Permit #NM-01-005) and any sludge or soil required to be removed to facilitate closure was hauled to Envirotech Land Farm (Permit #NM-01-011) and JFJ Landfarm % IEI (Permit #NM-01-0010B).

The preferred method of closure for all temporary pits will be on-site burial, assuming that all the criteria listed in sub-section (B) of 19.15.17.13 are met.

The pit was closed using onsite burial.

The surface owner shall be notified of BR's closing of the temporary pit as per the approved closure plan using certified mail, return receipt requested

The closure process notification to the landowner was sent via email. (See Attached)(Well located on Federal Land, certified mail is not required for Federal Land per BLM/OCD MOU.)

4 Within 6 months of the Rig Off status occurring BR will ensure that temporary pits are closed, re-contoured, and reseeded

Provision 4 of the closure plan requirements were not met due to rig move off date as noted on C-105 which was prior to pit rule change Burlington will ensure compliance with this rule in the future.

- 5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
 - 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 | 8.9 ug/kg |
| BTEX | EPA SW-846 8021B or 8260B | 50 | 141 ug/kG |
| TPH | EPA SW-846 418.1 | 2500 | 92.9 mg/kg |
| GRO/DRO | EPA SW-846 8015M | 500 | 11.1 mg/Kg |
| Chlorides | EPA 300.1 | 1000/ 500- | 45.8 mg/L |

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, CANYON LARGO UNIT 279E, UL-I, Sec. 14, T 25N, R 6W, API # 30-039-30439

Tafoya, Crystal

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

Dav 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

Huerfanıto 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

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

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

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

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

☐ AMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

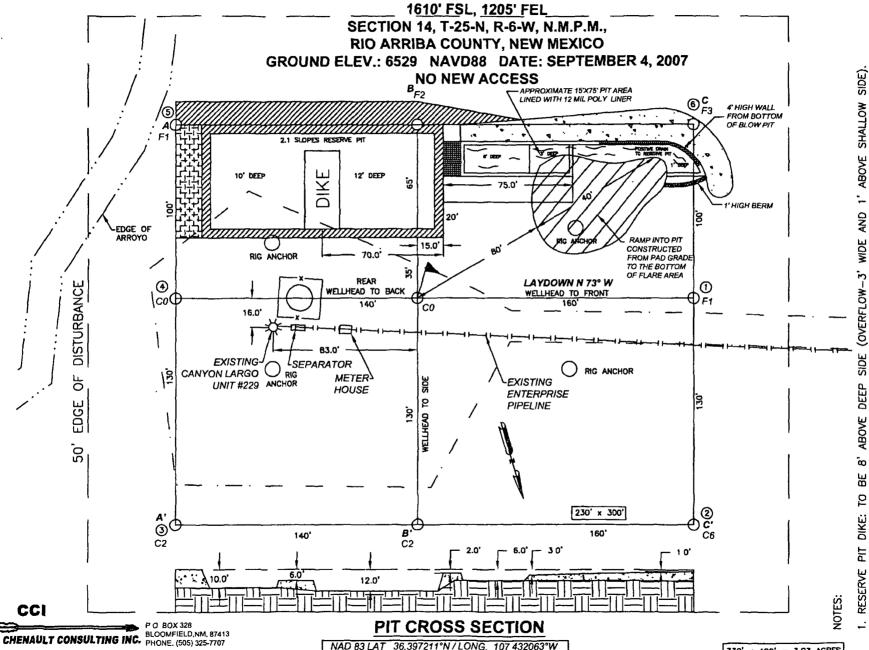
| 1 A | 1 API Number 2 Pool Code 3 Pool Name BASIN DAKOTA | | | | | | | | |
|---------------------------|---|------------------|---------------|----------|--------------------------------|----------------------------------|-----------------------|------------------------|----------------------|
| ⁴ Property Coc | Property Code S Property Name CANYON LARGO UNIT | | | | | ⁶ Well Number 279E | | | |
| 7 OGRID N | 7 OGRID No. 8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY LP | | | -, | ⁹ Elevation 6529 | | | | |
| | | | | | 10 SURFACE | LOCATION | | | |
| UL or lot no. | Section 14 | Township 25-N | Range 6-W | Lot Idn | Feet from the 1610 | North/South line SOUTH | Feet from the 1205 | East/West line EAST | County RIO ARRIBA |
| | | | 11 E | Bottom H | ole Location | If Different Fro | m Surface | | |
| UL or lot no | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| Dedicated Acres 320.00 | Joint 13 | or Infill | Consolidation | 15 Code | Order No | | | | |

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

| _ | | | |
|---|--|------------------------------|--|
| | E/2 DEDICATE SF-07 SECTIO T-25-N, F | 8884 N 14 | 17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a warking interest or unleased minered interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling gorgement or a compulsory pooling order heretofore entered by the division. |
| I | | | Signature |
| | | | Printed Name |
| I | | | Title and E-mail Address |
| | | | Date |
| l | WELL FLA | _ | 18 SURVEYOR CERTIFICATION |
| I | NAD 8 | 23 | I hereby certify that the well location shown on this plat |
| | LAT: 36.397211° LONG: 107.432063° NAD 2 | <u>N</u> o. | was plotted from feild notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief |
| | LAT: 36°23.831982' LONG: 107°25.887620' I | | Date of Survey 9/04/07 Signature and <u>Seal of</u> Professional Surveyor: |
| ŀ | | 1205' | Signature and Sed of Professional Surveyor: P. BROADHURS ME 12 |
| I | | | A ME A |
| | | 1610' 012' W 025'14" W | 1 (1888) 5 1 (1888) 5 |
| | | NN QQ | AROMESSIONA |
| | S 89'40' W S 89'25'17" W | 2591.2' (R) 2588.5' (M) | Certificate Number: NM 11393 |

BURLINGTON RESOURCES OIL AND GAS COMPANY LP

CANYON LARGO UNIT #279E



TO CONSTRUCTION PRIOR UNMARKED BURIED (2) WORKING DAYS S OR PIPELINES.
NY MARKED OR (
AT LEAST TWO (FOR UNDERGROUND UTILITIES CE-CALL FOR LOCATION OF ANY PAD AND OR ACCESS ROAD AT SHOULD CABLES C.C.I. SURVEY: CONTRACTOR S PIPLINES OR (

330' x 400' = 3 03 ACRES



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|----------------------|------------------------|---------------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46660 | Date Sampled: | 08-07-08 |
| Chain of Custody No: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-13-08 |
| 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) | 11.1 | 0.1 |
| Total Petroleum Hydrocarbons | 11.1 | 0.2 |

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

Drilling Pit Sample

Analyst

Mustum Muchelles Review



EPA METHOD 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|----------------------|------------------------|---------------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46661 | Date Sampled: | 08-07-08 |
| Chain of Custody No: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-13-08 |
| Condition: | Intact | Analysis Requested: | 8015 TPH |

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

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

Comments:

Drilling Pit Sample, Background

Analyst

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EPA Method 8015 Modified Nonhalogenated Volatile Organics Total Petroleum Hydrocarbons

Quality Assurance Report

| Client: | QA/QC | Project #: | N/A |
|--------------------|--------------------|---------------------|----------|
| Sample ID: | 08-13-08 QA/QC | Date Reported: | 08-14-08 |
| Laboratory Number: | 46658 | Date Sampled: | N/A |
| Sample Matrix: | Methylene Chloride | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 08-13-08 |
| Condition: | N/A | Analysis Requested: | TPH |
| | | | |

| | I-Cal Date | I-CallRF: | C-Cal RF | % Difference | Accept Range |
|-------------------------|-------------------|-------------|-------------|--------------|--------------|
| Gasoline Range C5 - C10 | 05-07 - 07 | 9.8679E+002 | 9.8718E+002 | 0.04% | 0 - 15% |
| Diesel Range C10 - C28 | 05-07-07 | 1 0077E+003 | 1.0081E+003 | 0.04% | 0 - 15% |

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

| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept Range |
|-------------------------|--------|-----------|--------------|--------------|
| Gasoline Range C5 - C10 | ND | ND | 0.0% | 0 - 30% |
| Diesel Range C10 - C28 | 52.7 | 53.8 | 2.1% | 0 - 30% |

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery | Accept Range |
|-------------------------|--------|-------------|--------------|------------|-------------------|
| Gasoline Range C5 - C10 | ND | 250 | 252 | 101% | 75 - 125% |
| Diesel Range C10 - C28 | 52.7 | 250 | 310 | 102% | 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 46658 - 46666.

yst (Re



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|--------------------|------------------------|---------------------|------------|
| Sample ID. | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46660 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Analyzed: | 08-13-08 |
| Preservative: | Cool | Date Extracted: | 08-12-08 |
| Condition: | Intact | Analysis Requested: | BTEX |

| Parameter | Concentration (ug/Kg) | Det. Limit (ug/Kg) | |
|--------------|--------------------------|--------------------------|--|
| Benzene | 8.9 | 0.9 | |
| Toluene | 34.0 | 1.0 | |
| Ethylbenzene | 10.4 | 1.0 - | |
| p,m-Xylene | 68.7 | 1.2 | |
| o-Xylene | 18.9 | 0.9 | |
| Total BTEX | 141 | | |

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:

Drilling Pit Sample

Analyst

Review Waster



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|--------------------|------------------------|---------------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46661 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Analyzed: | 08-13-08 |
| Preservative: | Cool | Date Extracted: | 08-12-08 |
| 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 | 98.0 % |
| | 1,4-difluorobenzene | 98.0 % |
| • | Bromochlorobenzene | 98.0 % |

References:

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

December 1996.

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

USEPA, December 1996.

Comments:

Drilling Pit Sample, Background

Analyst

Mustu m Walter



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

| | · · · · · · · · · · · · · · · · · · · | | - |
|---------------------------|---------------------------------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 08-13-BT QA/QC | Date Reported: | 08-14-08 |
| Laboratory Number. | 46658 | Date Sampled. | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative [.] | N/A | Date Analyzed: | 08-13-08 |
| Condition: | N/A | Analysis: | BTEX |
| | | | |

| Calibration and Detection Limits (ug/L) | I-Cal/RF: | | %Diff: je:0 - 15% | | Detect L'imit |
|---|-------------|-------------|----------------------|----|------------------|
| Benzene | 9.0031E+007 | 9.0212E+007 | 0.2% | ND | 0.1 |
| Toluene | 6 7709E+007 | 6.7845E+007 | 0.2% | ND | 0.1 |
| Ethylbenzene | 5.3871E+007 | 5.3979E+007 | 0.2% | ND | 0.1 |
| p,m-Xylene | 1.1094E+008 | 1.1116E+008 | 0.2% | ND | 0.1 |
| o-Xylene | 5.1270E+007 | 5.1372E+007 | 0.2% | ND | 0.1 |

| Duplicate Conc (ug/Kg) | Sample | uplicate. | %Diff. | Accept Range | Detect. Limit |
|------------------------|--------|-----------|--------|--------------|---------------|
| Benzene | 3.2 | 3.1 | 3.1% | 0 - 30% | 0.9 |
| Toluene | 11.0 | 10.7 | 2.7% | 0 - 30% | 1.0 |
| Ethylbenzene | 1.6 | 1.4 | 12.5% | 0 - 30% | 1.0 |
| p,m-Xylene | 34.8 | 34.4 | 1.1% | 0 - 30% | 1.2 |
| o-Xylene | 11.5 | 11.0 | 4.3% | 0 - 30% | 0.9 |

| Spike Conc. (ug/Kg) | Sample Amo | unt Spiked Spik | ed Sample | % Recovery | |
|---------------------|------------|-----------------|-----------|------------|----------|
| Benzene | 3.2 | 50.0 | 52.8 | 99.2% | 39 - 150 |
| Toluene | 11.0 | 50.0 | 59.0 | 96.7% | 46 - 148 |
| Ethylbenzene | 1.6 | 50.0 | 48.6 | 94.2% | 32 - 160 |
| p,m-Xylene | 34.8 | 100 | 132 | 97.7% | 46 - 148 |
| o-Xylene | 11.5 | 50.0 | 59.5 | 96.7% | 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 46658 - 46666, and 46676.

Analyst

Muster my Walters
Review



TRACE METAL ANALYSIS

5.0

0.2

1.0

5.0

| SEA A 10 died das und | | | |
|---|------------------------|------------------|-----------------|
| Client. | ConocoPhillips | Project #: | 96052-0026 |
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46660 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 80-80-80 |
| Sample Matrix: | Soil | Date Analyzed: | 08-12-08 |
| Preservative: | Cool | Date Digested: | 08-12-08 |
| Condition: | Intact | Analysis Needed: | Total Metals |
| • | | Det. | TCLP Regulatory |
| ! | Concentration | Limit | Level |
| Parameter | (mg/Kg) | (mg/Kg) | (mg/Kg) |
| | 7 | | |
| Arsenic | 0.068 | 0.001 | 5.0 |
| Barium | 39.7 | 0.001 | 100 |
| Cadmium | 0.003 | 0.001 | 1.0 |
| Chromium | 0.186 | 0.001 | 5.0 |
| | | | |

ND - Parameter not detected at the stated detection limit.

0.222

ND

0.011

ND

References:

Lead

Silver

Mercury

Selenium

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

SW-846, USEPA, December 1996.

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

Spectroscopy, SW-846, USEPA, December 1996.

Note.

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Drilling Pit Sample.

Analyst

Review

0.001

0.001

0.001

0.001



TRACE METAL ANALYSIS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|--------------------|------------------------|------------------|--------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-14-08 |
| Laboratory Number: | 46661 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Analyzed: | 08-12-08 |
| Preservative: | Cool | Date Digested: | 08-12-08 |
| Condition: | Intact | Analysis Needed: | Total Metals |

| Parameter | Concentration (mg/Kg) | Det. Limit (mg/Kg) | TCLP Regulatory Level (mg/Kg) | |
|-----------|--------------------------|--------------------------|-------------------------------------|--|
| | | | | |
| Arsenic | 0.061 | 0.001 | 5.0 | |
| Barium | 6.80 | 0.001 | 100 | |
| Cadmium | 0.005 | 0.001 | 1.0 | |
| Chromium | 0.211 | 0.001 | 5.0 - | |
| Lead | 0.294 | 0.001 | 5.0 | |
| Mercury | ND | 0.001 | 0.2 | |
| Selenium | 0.014 | 0.001 | 1.0 | |
| Silver | ND | 0.001 | 5.0 | |

ND - Parameter not detected at the stated detection limit.

References:

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

SW-846, USEPA, December 1996.

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

Spectroscopy, SW-846, USEPA, December 1996.

Note:

Regulatory Limits based on 40 CFR part 261 subpart C

section 261.24, August 24, 1998.

Comments:

Drilling Pit Sample Background.

Analyst

Review



TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

| Client: | | QA/QC | | Project #: | | | QA/QC |
|--|----------------------------|------------|----------|------------|----------------------------|--------------|------------------|
| Sample ID. | | 08-12 TM C | QA/AC | Date Repo | orted: | | 08-14-08 |
| Laboratory Number | : | 46655 | | Date Sam | pled: | | N/A |
| Sample Matrix: | | Soil | | Date Rece | eived: | | N/A |
| Analysis Requested | l: | Total RCR/ | A Metals | Date Analy | yzed: | | 08-12-08 |
| Condition: | | N/A | | Date Dige: | sted: | | 08-12-08 |
| Blank & Duplicate Conc. (mg/Kg) | Instrument Blank (mg/Kg | | Limit | | Dùplicáte Signal (1982) | Diff. | Acceptance Range |
| Arsenic | ND | ND | 0.001 | 0.065 | 0.066 | 1.9% | 0% - 30% |
| Barium | ND | ND | 0.001 | 30.0 | 29 .8 | 0.8% | 0% - 30% |
| Cadmium | ND | ND | 0.001 | 0.004 | 0.004 | 0.0% | 0% - 30% |
| Chromium | ND | ND | 0.001 | 0.341 | 0.344 | 0.7% | 0% - 30% |
| Lead | ND | ND | 0.001 | 0.375 | 0.376 | 0.5% | 0% - 30% |
| Mercury | ND | ND | 0.001 | ND | ND | 0.0% | 0% - 30% |
| Selenium | ND | ND | 0.001 | 0.022 | 0.020 | 8.1% | 0% - 30% |
| Silver | ND | ND | 0.001 | ND | ND | 0.0% | 0% - 30% |
| Spike Sample Spiked Percent Acceptance Conc. (mg/Kg) Added Sample Recovery Range | | | | | | | |
| Arsenic | | 0.250 | 0.065 | 0.307 | 97.7% | | 80% - 120% |
| Barium | | 0.500 | 30.0 | 30.85 | 101% | | 80% - 120% |
| Cadmium | | 0.250 | 0.004 | 0.295 | 116% | | 80% - 120% |
| Chromium | | 0.500 | 0.341 | 0.872 | 104% | | 80% - 120% |
| Lead | | 0.500 | 0.375 | 0.863 | 98.7% | | 80% - 120% |
| Mercury | | 0.100 | ND | 0.094 | 94.0% | | 80% - 120% |
| Selenium | | 0.100 | 0.022 | 0.114 | 93.4% | | 80% - 120% |
| Silver | | 0.100 | ND | 0.080 | 80.2% | | 80% - 120% |
| | | | | | | | |

ND - Parameter not detected at the stated detection limit.

Analyst

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 46655, 46656, 46658 - 46661.

Review



CATION / ANION ANALYSIS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|--------------------|------------------------|-----------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-15-08 |
| Laboratory Number: | 46660 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix | Soil Extract | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-13-08 |
| Condition: | Intact | | |

| | Analytical | | | |
|-------------------------------|------------|----------|-------|-------|
| Parameter | Result | Units | | |
| рН | 7.76 | s.u. | | |
| Conductivity @ 25° C | 539 | umhos/cm | | |
| Total Dissolved Solids @ 180C | 268 | mg/L | | |
| Total Dissolved Solids (Calc) | 256 | mg/L | | |
| SAR | 2.2 | ratio | | |
| Total Alkalinity as CaCO3 | 126 | mg/L | | |
| Total Hardness as CaCO3 | 97.9 | mg/L | | ~ |
| Bicarbonate as HCO3 | 126 | mg/L | 2.07 | 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 | 0.395 | mg/L | 0.01 | meq/L |
| Nitrite Nitrogen | < 0.01 | mg/L | 0.00 | meq/L |
| Chloride | 45.8 | mg/L | 1.29 | meq/L |
| Fluoride | 4.51 | mg/L | 0.24 | meq/L |
| Phosphate | 0.520 | mg/L | 0.02 | meq/L |
| Sulfate | 33.6 | mg/L | 0.70 | meq/L |
| Iron | 0.288 | mg/L | 0.01 | meq/L |
| Calcium | 34.3 | mg/L | 1.71 | meq/L |
| Magnesium | 2.97 | mg/L | 0.24 | meq/L |
| Potassium | 7.97 | mg/L | 0.20 | meq/L |
| Sodium | 49.4 | mg/L | 2.15 | meq/L |
| Cations | | | 4.32 | meq/L |
| Anions | | | 4.32 | meq/L |
| Cation/Anion Difference | | | 0.05% | |

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

Comments: Drilling Pit Sample.

Analyst

Mustum Weeter Review



CATION / ANION ANALYSIS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|--------------------|-----------------------------------|-----------------|------------|
| Sample ID: | Canyon Largo Unit 279E Background | Date Reported: | 08-15-08 |
| Laboratory Number: | 46661 | Date Sampled: | 08-07-08 |
| Chain of Custody: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil Extract | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-13-08 |
| Condition: | Intact | | |

| Parameter | Analytical Result | Units | | |
|-------------------------------|----------------------|----------|-------|---------|
| pH | 7.87 | s.u. | | |
| Conductivity @ 25° C | 93.2 | umhos/cm | | |
| Total Dissolved Solids @ 180C | 70.0 | mg/L | | |
| Total Dissolved Solids (Calc) | 69.3 | mg/L | | |
| SAR | 0.2 | ratio | | |
| Total Alkalinity as CaCO3 | ે 55.0 | mg/L | | |
| Total Hardness as CaCO3 | 46.6 | mg/L | | - |
| Bicarbonate as HCO3 | 55.0 | mg/L | 0.90 | meq/L |
| Carbonate as CO3 | <0.1 | mg/L | 0.00 | meq/L |
| Hydroxide as OH | <0.1 | mg/L | 0.00 | meq/L |
| Nitrate Nitrogen | 1.22 | mg/L | 0.02 | meq/L |
| Nitrite Nitrogen | 4.28 | mg/L | 0.09 | meq/L |
| Chloride | 2.09 | mg/L | 0.06 | meq/L |
| Fluoride | 3.03 | mg/L | 0.16 | meq/L |
| Phosphate | 0.039 | mg/L | 0.00 | meq/L |
| Sulfate | 1.17 | mg/L | 0.02 | meq/L |
| Iron | 2.53 | mg/L | 0.09 | · meq/L |
| Calcium | 15.8 | mg/L | 0.79 | meq/L |
| Magnesium | 1.73 | mg/L | 0.14 | meq/L |
| Potassium | 2.83 | mg/L | 0.07 | meq/L |
| Sodium | 3.77 | mg/L | 0.16 | meq/L |
| Cations | | | 1.26 | meq/L |
| Anions | | | 1.26 | meq/L |
| Cation/Anion Difference | | | 0.01% | |

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

Comments: Drilling Pit Sample.

Analyst

Review Dates



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|----------------------|------------------------|------------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-15-08 |
| Laboratory Number: | 46660 | Date Sampled: | 08-07-08 |
| Chain of Custody No: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix. | Soil | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-12-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

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

Total Petroleum Hydrocarbons

92.9

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Drilling Pit Sample.

Analyst

Mustum Westler Review



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

| Client: | ConocoPhillips | Project #: | 96052-0026 |
|----------------------|------------------------|------------------|------------|
| Sample ID: | Canyon Largo Unit 279E | Date Reported: | 08-15-08 |
| Laboratory Number: | 46661 | Date Sampled: | 08-07-08 |
| Chain of Custody No: | 4809 | Date Received: | 08-08-08 |
| Sample Matrix: | Soil | Date Extracted: | 08-12-08 |
| Preservative: | Cool | Date Analyzed: | 08-12-08 |
| Condition: | Intact | Analysis Needed: | TPH-418.1 |

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

Total Petroleum Hydrocarbons

46.4

5.0

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Drilling Pit Sample Background.

Analyst



EPA METHOD 418.1 TOTAL PETROLEUM HYROCARBONS QUALITY ASSURANCE REPORT

3.9%

7.6%

89.7%

+/- 10%

+/- 30%

80 - 120%

| Ćlient: | | QA/QC | | Project #: | - | N/A |
|--------------------|------------|----------------|-----------|----------------|--------------|---------------|
| Sample ID: | | QA/QC | | Date Reported | i : | 08-15-08 |
| Laboratory Number: | | 08-12-TPH.QA/Q | C 46658 | Date Sampled | : | N/A |
| Sample Matrix: | | Freon-113 | | Date Analyzed | i : | 08-12-08 |
| Preservative. | | N/A | | Date Extracted | d: | 08-12-08 |
| Condition: | | N/A | | Analysis Need | led: | TPH |
| Calibration | I-Cal Date | C-Cal Date | l-Cal RF: | C-Cal RF: | % Difference | Accept. Range |

| Blank Conc. (mg/Kg) TPH | Concentration ND | ne Pag Pip | Detection Limi | t |
|----------------------------|------------------|------------|----------------|---------------|
| Duplicate Conc. (mg/Kg) | Sample | Duplicate | % Difference | Accept. Range |

08-12-08

186

1,790

1,720

172

1,960

| Spike Conc. (mg/Kg) | Sample | Spike Added | Spike Result | % Recovery Accept Range |
|---------------------|--------|-------------|--------------|-------------------------|

186

2,000

ND = Parameter not detected at the stated detection limit.

08-01-08

TPH

TPH

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 46658 - 46665.

Analyst

(Mustum La cetter Review

| Submit To Appropri Two Copies | ate District | Office | | | | | | | | rm C-105 July 17, 2008 | | | | | | | |
|--|--|------------|--------------|--|----------|---------------------------|---------|--------|----------|---------------------------------|---------------------------------------|----------------------------|--|------------|--------------|--|--------------|
| District I 1625 N French Dr, District II | Hobbs, NN | √ 88240 | | Energy, Minerals and Natural Resources | | | | | - | 1 WELL API NO. | | | | | | | |
| 1301 W Grand Ave District III | nue, Artesi | a, NM 88 | 210 | Oil Conservation Division | | | | | } | 30-039-30439 2 Type of Lease | | | | | | | |
| 1000 Rio Brazos Rd District IV | | | | | | 20 South S | | | | r. | | STA | TE | FEE | | ED/IND | IAN |
| 1220 S St Francis I | Or , Santa F | e, NM 87 | 7505 | | | Santa Fe, N | VM 8 | 750 | 15 | | | 3 State Oil 8 SF-078884 | | Lease No | | | |
| | | ETIC | N OR | RECC | MPL | ETION RE | POR | ТА | ND | LOG | | | No. of Street, | | | and the state of t | |
| 4 Reason for filir | Ü | | | | | | | | | | | 5 Lease Nam Canyon La | | | ment N | ame | |
| ☐ COMPLETION | ON REPO | ORT (Fi | ıll ın boxe | s #1 throu | gh #31 | for State and Fe | e wells | only) | | | ļ | 6 Well Numl | | | | | |
| C-144 CLOSURE ATTACHMENT (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33, attach this and the plat to the C-144 closure report in accordance with 19 15 17 13 K NMAC) | | | | | | <u> </u> | | | | | | | | | | | |
| 7 Type of Compl ✓ NEW W | |] work | KOVER [| _ DEEPE | NING | □PLUGBACI | к 🗆 С | OIFFE | REN | IT RESERV | OIR | OTHER | | | | | |
| 8 Name of Opera Burlington Re | | s Ωil (| Gas Co | mnany | ΙÞ | - | | | | | | 9 OGRID 14538 | | | | | |
| 10 Address of Op | erator | | | mpany, | LI | | | | | | | 11 Pool name | or W | ıldcat | | | |
| PO Box 4298, Far | mington, | NM 874 | 199 | | | | | | | | | | | | | | |
| 12 Location Surface: | Unit Ltr | Sec | ction | Towns | hıp | Range | Lot | | | Feet from t | he | N/S Line | Feet | from the | E/W | Line | County |
| BH: | | | | | | | | | \dashv | | \dashv | | | | | | |
| 13 Date Spudded | 14 Da | ite T D 1 | Reached | 15 E | Date Rig | Released | | Т | 16 | Date Compl | eted | (Ready to Prod | duce) | 17 | 7 Eleva | tions (DF | and RKB, |
| | | CNU-II | | 4/25/ | /08 | | .1 | | | | | ` | | R' | T, GR, | etc) | |
| 18 Total Measure | a Depth o | or well | | 19 P | riug Bac | k Measured De | ptn | | 20 | was Direct | iona | l Survey Made | , | 21 1yp | e Electr | ic and Ot | her Logs Run |
| 22 Producing Inte | erval(s), o | f this co | mpletion | - Top, Bot | tom, Na | nme | | | | | | | ` | | | | • |
| 23 | | | | | | ING REC | ORE |) (R | | | ring | | | | | | |
| CASING SIZ | Έ | WE | IGHT LB | /FT | | DEPTH SET | | ··· | НО | LE SIZE | | CEMENTIN | IG RE | CORD | A | MOUNT | PULLED |
| | | | .,• | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| . , | | | | | | | | | | | | | | , | | | |
| 24 | | | | | LIN | ER RECORD | | | | | 25 | | | NG REC | | | |
| SIZE | TOP | | Be | OTTOM | | SACKS CEM | ENT | SCR | EEN. | 1 | SIZ | SIZE DEPTH SET PACKER SET | | | | ER SET | |
| | | | | | | | | | | | | | + | | | <u> </u> | |
| 26 Perforation | record (ın | iterval, s | ize, and n | umber) | | • | | | | | | ACTURE, CI | | | | | |
| | | | | | | | } | DEP | IM. | INTERVAL | | AMOUNT A | AND | CIND MA | IEKIA | L USED | |
| | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | DDC |)DI | ICT | ΓΙΟΝ | | | | | | | |
| Date First Product | ion | | Produ | iction Met | hod (Fle | owing, gas lift, p | | | | |) | Well Statu | s (Pro | d or Shut- | - <i>ın)</i> | | |
| | | | | | | | | | | | | | | | | | |
| Date of Test | Hours | Tested | C | Choke Size | | Prod'n For Test Period | | Oıl - | ВЫ | | Ga | s - MCF Water - Bb | | ater - Bbl | | Gas - C | Oil Ratio |
| Flow Tubing Press | Casıng | g Pressui | | Calculated I Iour Rate | 24- | Oıl - Bbl | ! | | Gas · | - MCF | Water - Bbl Oil Gravity - API - (Cor. | | | r) | | | |
| 29 Disposition of | Gas (Sold | d, used f | for fuel, ve | vented, etc) 30 Test Witnessed By | | | | | | | | | | | | | |
| 31 List Attachme | nts | | | | | | | | | | | | 1 | | | | |
| 32 If a temporary | pit was u | ised at th | ne well, at | tach a plat | with th | e location of the | tempo | rary p | it | | | | | | | | |
| 33 If an on-site burial was used at the well, report the exact location of the on-site burial | | | | | | | | | | | | | | | | | |
| Latitude 36.397045°N Longitude 107.432121°W NAD 1227 \(\times \) 1983 I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief | | | | | | | | | | | | | | | | | |
| } | Signature Printed Name Crystal Tafoya Title: Regulatory Tech Date: 1/25/2010 | | | | | | | | | | | | | | | | |
| E-mail Addres | • | | / | • | lips co | om | | | | | | | | / / | • | | |

ConocoPhillips

| Pit Closure Form: |
|---|
| Pate: 9/2/08 |
| Vell Name: Canyon Largo Unit #279E |
| ootages: 16101 F5L 12651 PEL Unit Letter: I |
| section: 14 , T-25 -N, R-6 -W, County: Ris Arriba State: New Mexico |
| Contractor Closing Pit: Schmitz Construction |
| construction Inspector: Johnny R. McDonald Date: 9/2/08 |
| nspector Signature: Johnny R. Wignald |

Tafoya, Crystal

From:

Busse, Dollie L

Sent:

Friday, August 22, 2008 1 44 PM

To:

Brandon Powell, Mark Kelly, Robert Switzer, Sherrie Landon

Cc:

'schmitzent@yahoo com', Chavez, Virgil E, GRP SJBU Production Foreman, GRP.SJBU Production Leads, Kramme, Jeff L, Larry Thacker, Blair, Maxwell O, Blakley, Maclovia, Clark, Joan E, Cornwall, Mary K (SOS Staffing Services, Inc.), Farrell, Juanita R; Maxwell, Mary

Alice, McWilliams, Peggy L, Seabolt, Elmo F

Subject:

Clean Up Notice - Canyon Largo Unit 279E

Importance:

High

Attachments:

Canyon Largo Unit 279E pdf

Schmitz Construction will move a tractor to the Canyon Largo Unit 279E on Wednesday, August 27, 2008 to start the reclamation process Please contact Johnny McDonald (215-2861) if you have any questions or need additional information

Thanks! Dollie

Network #:

10207244

Operator:

Burlington Resources

Legals:

1610' FSL, 1205' FEL Section 14, T25N, R6W Unit Letter 'I' (NESE) Rio Arriba County, NM

Lease:

USA SF-078884

API #:

30-039-30439

Surface/Minerals:

BLM/BLM



Dollie L. Busse

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

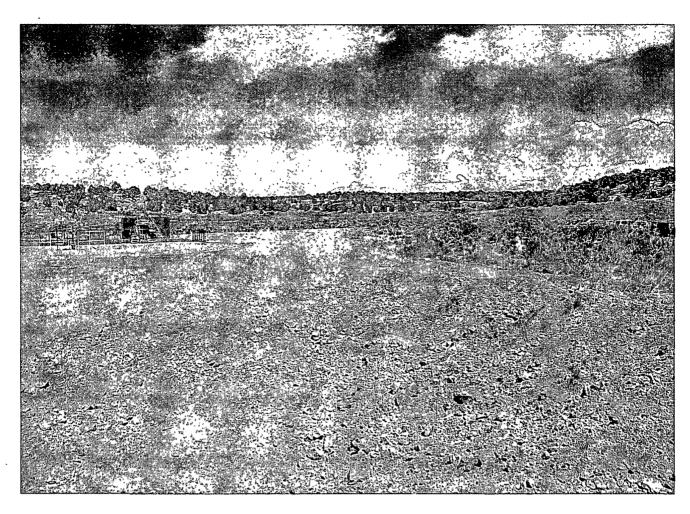
Dollie.L.Busse@conocophillips.com

ConocoPhillips Reclamation Form:

| Date: 9/26/08 | | |
|--|-------------------------------|--------------------------|
| Well Name: Campon Large Unit \$279E | | |
| Footages: 1610' F3L 1205' FEL | Unit Letter:_ | I |
| Section: 14 , T- 25 -N, R- 6 | W, County: <u></u> <u>Rie</u> | Arrila State: New Mexico |
| Reclamation Contractor: Schmitz. Const | ruetion | |
| Reclamation Date: 9/4/08 | | _ |
| Road Completion Date: 9/24/08 | | |
| Seeding Date: 9/24/08 | | |
| Johnny R. M.Donald Construction Inspector Name | 9/26/08 | ConocoPhillips |
| Signature | Date | |
| | | |
| Revised 3/12/08 | | |









WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: Canyon Largo Unit #279E

API#: 30-039-30427

| DATE | INSPECTOR | SAFETY CHECK | LOCATION CHECK | PICTURES TAKEN | COMMENTS |
|---------|-------------|-----------------|-------------------|-------------------|---|
| 4/22/08 | Art Sanchez | Х | Х | | H & P 283 drilling rig on location |
| 4/29/08 | Art Sanchez | Х | Х | | H & P 283 drilling rig on location |
| 5/12/08 | Art Sanchez | X | Х | Х | Called MVCI to repair fence and liner |
| 6/10/08 | Scott Smith | Х | Х | Х | Tears in liner NE corner, fence needs repaired and tightened notified MVCI and OCD |
| 6/17/08 | Scott Smith | X | X | Х | Crew working on site |
| 6/24/08 | Scott Smith | Х | Х | Х | Liner needs cut back and re-keyed at blow pit call Nobles to haul water from blow pit, contacted MVCI and OCD |
| 7/1/08 | Scott Smith | | | | Rig on location |
| 7/8/08 | Scott Smith | | | - | Rig on location |
| 7/16/08 | Scott Smith | | | - | Road washed out couldn't reach locations |
| 7/28/08 | Scott Smith | | | | Road washed out |
| 8/05/08 | Scott Smith | X | Х | Х | Liner not keyed in at blow pit, fence needs tightened, call Brandon with OCD |
| 8/11/08 | Scott Smith | X | X | Х | Liner not keyed in at blow pit, fence needs tightened |
| 8/11/08 | Scott Smith | Х | Х | Х | Fence and liner in good condition |
| 8/25/08 | Scott Smith | | | | Road washed out could not inspect |
| 9/2/08 | J. McDonald | | | | Pit Closed |
| 9/26/08 | J. McDonald | | | | Reclamation of pit and area complete |