

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

District II  
1301 W Grand Ave, Artesia, NM 88210

District III  
1000 Rio Brazos Rd, Aztec, NM 87410

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

State of New Mexico  
Energy Minerals and Natural Resources

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

Form C-144  
July 21, 2008

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

5104

Pit, Closed-Loop System, Below-Grade Tank, or Proposed Alternative Method Permit or Closure Plan Application

- Type of action:
- Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method
  - Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method
  - Modification to an existing permit
  - Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

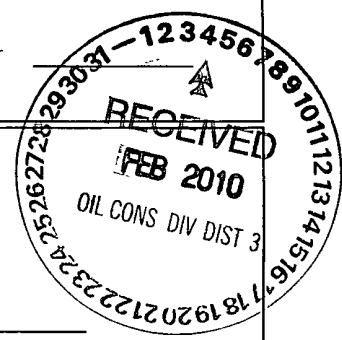
1  
Operator: Burlington Resources Oil & Gas Company, LP OGRID#: 14538  
Address: P.O. Box 4289, Farmington, NM 87499  
Facility or well name: FILAN 5N  
API Number: 30-045-34479 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr: F(SE/NW) Section: 5 Township: 27N Range: 8W County: San Juan  
Center of Proposed Design: Latitude: 36.604019 °N Longitude: 107.708152 °W NAD:  1927  1983  
Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2  
 **Pit:** Subsection F or G of 19 15 17 11 NMAC  
Temporary  Drilling  Workover  
 Permanent  Emergency  Cavitation  P&A  
 Lined  Unlined Liner type Thickness 12 mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
Liner Seams  Welded  Factory  Other \_\_\_\_\_ Volume 4400 bbl Dimensions L 65' x W 45' x D 10'

3  
 **Closed-loop System:** Subsection H of 19 15 17 11 NMAC  
Type of Operation  P&A  Drilling a new well  Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  
 Drying Pad  Above Ground Steel Tanks  Haul-off Bins  Other \_\_\_\_\_  
 Lined  Unlined Liner type Thickness \_\_\_\_\_ mil  LLDPE  HDPE  PVD  Other \_\_\_\_\_  
Liner Seams  Welded  Factory  Other \_\_\_\_\_

4  
 **Below-grade tank:** Subsection I of 19 15 17 11 NMAC  
Volume \_\_\_\_\_ bbl Type of fluid \_\_\_\_\_  
Tank Construction material \_\_\_\_\_  
 Secondary containment with leak detection  Visible sidewalls, liner, 6-inch lift and automatic overflow shut-off  
 Visible sidewalls and liner  Visible sidewalls only  Other \_\_\_\_\_  
Liner Type Thickness \_\_\_\_\_ mil  HDPE  PVC  Other \_\_\_\_\_

5  
 **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.



32

6  
**Fencing:** Subsection D of 19 15 17 11 NMAC (*Applies to permanent pit, temporary pits, and below-grade tanks*)  
 Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)  
 Four foot height, four strands of barbed wire evenly spaced between one and four feet  
 Alternate Please specify \_\_\_\_\_

7  
**Netting:** Subsection E of 19 15 17 11 NMAC (*Applies to permanent pits and permanent open top tanks*)  
 Screen  Netting  Other \_\_\_\_\_  
 Monthly inspections (*If netting or screening is not physically feasible*)

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  
 Signed in compliance with 19 15 3 103 NMAC

9  
**Administrative Approvals and Exceptions:**  
 Justifications and/or demonstrations of equivalency are required Please refer to 19 15 17 NMAC for guidance  
**Please check a box if one or more of the following is requested, if not leave blank:**  
 Administrative approval(s) Requests must be submitted to the appropriate division district of the Santa Fe Environmental Bureau office for consideration of approval (**Fencing/BGT Liner**)  
 Exception(s) Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval

10  
**Siting Criteria (regarding permitting)** 19 15 17 10 NMAC  
*Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau Office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above grade-tanks associated with a closed-loop system.*

<b>Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.</b> - NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>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).</b> - Topographic map, Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</b> <i>(Applies to temporary, emergency, or cavitation pits and below-grade tanks)</i> - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
<b>Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.</b> <i>(Applied to permanent pits)</i> - Visual inspection (certification) of the proposed site, Aerial photo, Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
<b>Within 500 horizontal 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.</b> - NM Office of the State Engineer - iWATERS database search, Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>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</b> - Written confirmation or verification from the municipality, Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Within 500 feet of a wetland.</b> - US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Within the area overlying a subsurface mine.</b> - Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Within an unstable area.</b> - Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources, USGS, NM Geological Society, Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Within a 100-year floodplain</b> - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11

**Temporary Pits, Emergency Pits and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19 15 17 9 NMAC  
*Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.*

- Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19 15 17 9 NMAC
  - Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19 15 17 9
  - Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
  - Design Plan - based upon the appropriate requirements of 19 15 17 11 NMAC
  - Operating and Maintenance Plan - based upon the appropriate requirements of 19 15 17 12 NMAC
  - Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 15 17 9 NMAC and 19 15 17 13 NMAC
- Previously Approved Design (attach copy of design) API \_\_\_\_\_ or Permit \_\_\_\_\_

12

**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

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
- 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

**Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel 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 fluids and drill cuttings. Use attachment if more than two facilities are required.*

Disposal Facility Name \_\_\_\_\_ Disposal Facility Permit # \_\_\_\_\_

Disposal Facility Name \_\_\_\_\_ Disposal Facility Permit # \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and  
 Yes (If yes, please provide the information)  No

*Required for impacted areas which will not be used for future service and operations*

- Soil Backfill and Cover Design Specification - based upon the appropriate requirements of Subsection H of 19 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

**Siting Criteria (Regarding on-site closure methods only):** 19 15 17 10 NMAC

*Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. 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. Justifications and/or demonstrations of equivalency are required. Please refer to 19 15 17 10 NMAC for guidance.*

- |  |  |
|--|--|
| Ground water is less than 50 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search, USGS Data obtained from nearby wells  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> N/A                             |
| Ground water is between 50 and 100 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells   | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> N/A                             |
| Ground water is more than 100 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search, USGS, Data obtained from nearby wells  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> N/A                             |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)<br>- Topographic map, Visual inspection (certification) of the proposed site  | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application<br>- Visual inspection (certification) of the proposed site, Aerial photo, satellite image  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No |
| Within 500 horizontal 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 the initial application<br>- NM Office of the State Engineer - iWATERS database, Visual inspection (certification) of the proposed site | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| 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<br>- Written confirmation or verification from the municipality, Written approval obtained from the municipality   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Within 500 feet of a wetland<br>- US Fish and Wildlife Wetland Identification map, Topographic map, Visual inspection (certification) of the proposed site   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Within the area overlying a subsurface mine<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Within an unstable area<br>- Engineering measures incorporated into the design, NM Bureau of Geology & Mineral Resources; USGS, NM Geological Society, Topographic map   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |
| Within a 100-year floodplain<br>- FEMA map   | <input type="checkbox"/> Yes <input type="checkbox"/> No   |

**On-Site Closure Plan Checklist:** (19 15 17 13 NMAC) *Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.*

- Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19 15 17 10 NMAC
- Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19 15 17 13 NMAC
- Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19 15 17 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 Subsection G of 19 15 17 13 NMAC

19  
**Operator Application Certification:**  
 I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief

Name (Print) \_\_\_\_\_ Title \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 e-mail address \_\_\_\_\_ Telephone \_\_\_\_\_

20  
**OCD Approval:**  Permit Application (including closure plan)  Closure Plan (only)  OCD Conditions (see attachment)  
 OCD Representative Signature: Janetha Kelly Approval Date: 9/27/2011  
 Title: Compliance Officer OCD Permit Number: \_\_\_\_\_

21  
**Closure Report (required within 60 days of closure completion):** Subsection K of 19 15 17 13 NMAC  
*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

Closure Completion Date: August 25, 2008

22  
**Closure Method:**  
 Waste Excavation and Removal  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 compliance to the items below)  No

*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.*

Proof of Closure Notice (surface owner and division)  
 Proof of Deed Notice (required for on-site closure)  
 Plot Plan (for on-site closures and temporary pits)  
 Confirmation Sampling Analytical Results (if applicable)  
 Waste Material Sampling Analytical Results (if applicable)  
 Disposal Facility Name and Permit Number  
 Soil Backfilling and Cover Installation  
 Re-vegetation Application Rates and Seeding Technique  
 Site Reclamation (Photo Documentation)

On-site Closure Location Latitude 36.6041389 °N Longitude 107.708444 °W NAD  1927  1983

25  
**Operator Closure Certification:**  
 I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan

Name (Print) Crystal Tafoya Title Regulatory Tech  
 Signature Crystal Tafoya Date 2/2/2010  
 e-mail address crystal.tafoya@conocophillips.com Telephone 505-326-9837

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

**Lease Name: FILAN 5N**  
**API No.: 30-045-34479**

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.**

- 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).**

- 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.**

- 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 19.15.17.13(B)(1)(b). (Sample results attached).**

Components	Tests Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	2.9 ug/kg
BTEX	EPA SW-846 8021B or 8260B	50	27.3 ug/kg
TPH	EPA SW-846 418.1	2500	17.9 mg/kg
GRO/DRO	EPA SW-846 8015M	500	10.0 mg/kg
Chlorides	EPA 300.1	1000/ <del>500</del>	100 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.**

- 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.**

- 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 placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

**The pit area was re-contoured to match fit, shape, line, form and texture of the surrounding area. Re-shaping included drainage control, to prevent ponding and erosion. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale. Final re-contour 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 be 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, FILAN 5N, UL-F, Sec. 5, T 27N, R 8W, API # 30-045-34479**



## Tafoya, Crystal

---

**From:** Tafoya, Crystal  
**Sent:** Thursday, July 10, 2008 8:16 AM  
**To:** 'mark\_kelly@nm.blm.gov'  
**Subject:** 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  
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

RECEIVED

OCT 24 2007

Form C-102

District I

1525 N French Dr., Hobbs, NM 88240

District II

1501 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

Revised October 12, 2005  
Bureau of Land Management  
Farmington Field Office  
Appropriate District Office  
State Lease - 7 Copies  
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-045-34479		2 Pool Code 72319/71599		3 Pool Name Blanco Mesaverde/Basin Dakota	
4 Property Code 7018		5 Property Name FILAN			6 Well Number SN
7 OGRID No. 14538		8 Operator Name BURLINGTON RESOURCES OIL AND GAS COMPANY			9 Elevation 6419

10 SURFACE LOCATION

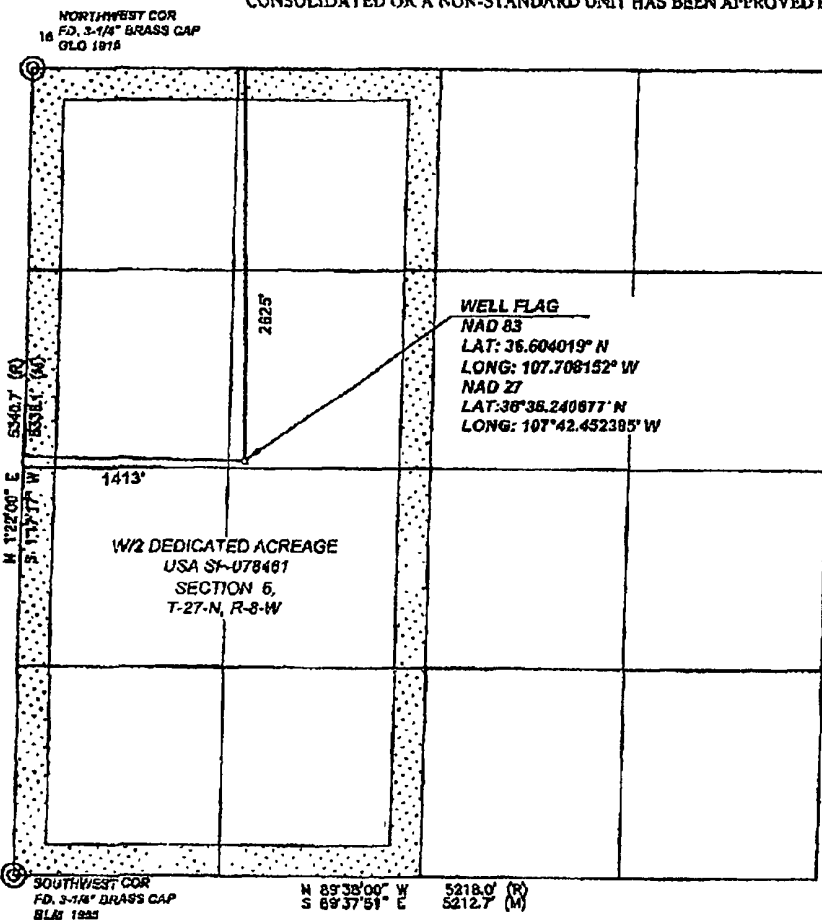
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	5	27-N	8-W		2625	NORTH	1413	WEST	SAN JUAN

11 Bottom Hole Location if Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F									

12 Dedicated Acres 321.24 W/2	13 Joint or Infill	14 Consolidation Code	15 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



**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 working interest or a mineral interest in the land including the proposed bottom hole location or has a right to drill into well at this location pursuant to a contract with the owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the State.

*Kandis Roland*  
Signature  
Kandis Roland  
Printed Name  
Regulatory Technician  
Title and E-mail Address  
6/21/07  
Date

**18 SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey: 5/30/07  
Signature and Seal of Professional Surveyor:

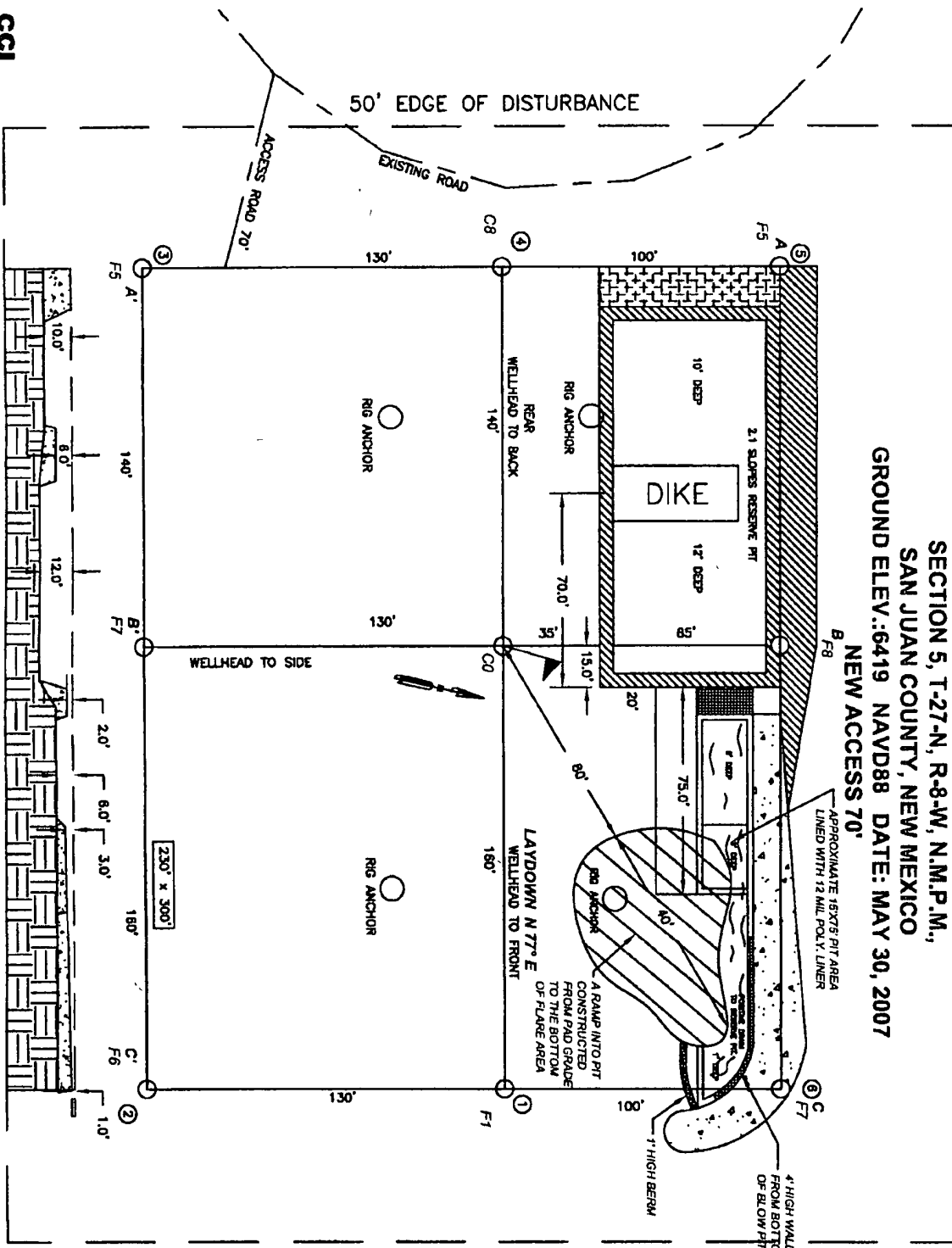
Certificate Number: NM 11393

# BURLINGTON RESOURCES OIL AND GAS COMPANY

FILAN 5N

2625' FNL, 1413' FWL

SECTION 5, T-27-N, R-8-W, N.M.P.M.,  
 SAN JUAN COUNTY, NEW MEXICO  
 GROUND ELEV.: 6419 NAVD88 DATE: MAY 30, 2007  
 NEW ACCESS 70'



**PIT CROSS SECTION**

**CCI**  
**CHEMULAULT CONSULTING INC.**  
 P O BOX 328  
 BLOOMFIELD, NM, 87413  
 PHONE: (505) 325-7707

NAD 83 LAT.: 36.604079°N / LONG.: 107.708152°W

330' x 400' = 3.03 ACRES

**NOTES:**

1. RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW-3' WIDE AND 1' ABOVE SHALLOW SIDE).
2. C.C.I. SURVEYS IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

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

Client.	ConocoPhillips	Project #	96052-0026
Sample ID	Filan 5N	Date Reported	08-07-08
Laboratory Number:	46586	Date Sampled	08-01-08
Chain of Custody No	4832	Date Received:	08-01-08
Sample Matrix:	Soil	Date Extracted	08-05-08
Preservative		Date Analyzed:	08-06-08
Condition	Intact	Analysis Requested	8015 TPH

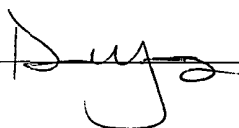
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	10.0	0.1
Total Petroleum Hydrocarbons	10.0	0.2

ND - Parameter not detected at the stated detection limit.

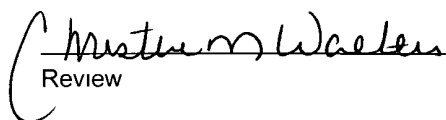
References. Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: **Drill Pit Sample**

Analyst



Review



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

Client.	ConocoPhillips	Project #	96052-0026
Sample ID.	Filan 5N Background	Date Reported	08-07-08
Laboratory Number:	46587	Date Sampled.	08-01-08
Chain of Custody No:	4832	Date Received	08-01-08
Sample Matrix	Soil	Date Extracted	08-05-08
Preservative		Date Analyzed	08-06-08
Condition.	Intact	Analysis Requested	8015 TPH

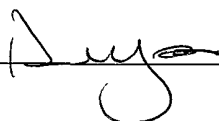
Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	0.2

ND - Parameter not detected at the stated detection limit.

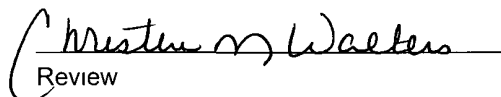
References Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: **Drill Pit Sample**

Analyst



Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

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

### Quality Assurance Report

Client	QA/QC	Project #:	N/A
Sample ID	08-06-08 QA/QC	Date Reported:	08-07-08
Laboratory Number:	46580	Date Sampled:	N/A
Sample Matrix	Methylene Chloride	Date Received:	N/A
Preservative	N/A	Date Analyzed:	08-06-08
Condition	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-07-07	9.9828E+002	9.9868E+002	0.04%	0 - 15%
Diesel Range C10 - C28	05-07-07	9.9648E+002	9.9688E+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	2.2	2.2	0.0%	0 - 30%
Diesel Range C10 - C28	147	146	0.6%	0 - 30%

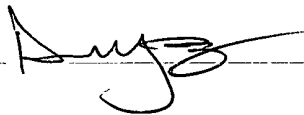
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	2.2	250	251	99.6%	75 - 125%
Diesel Range C10 - C28	147	250	403	102%	75 - 125%

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 46580 - 46589.

Analyst



Christine M. Walters  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #	96052-0026
Sample ID	Filan 5N	Date Reported	08-07-08
Laboratory Number	46586	Date Sampled:	08-01-08
Chain of Custody:	4832	Date Received	08-01-08
Sample Matrix	Soil	Date Analyzed:	08-06-08
Preservative		Date Extracted:	08-05-08
Condition	Intact	Analysis Requested.	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	2.9	0.9
Toluene	9.3	1.0
Ethylbenzene	1.6	1.0
p,m-Xylene	8.8	1.2
o-Xylene	4.7	0.9
<b>Total BTEX</b>	<b>27.3</b>	

ND - Parameter not detected at the stated detection limit

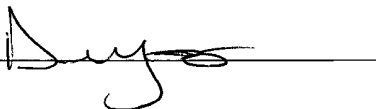
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	98.0 %
	1,4-difluorobenzene	98.0 %
	Bromochlorobenzene	98.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

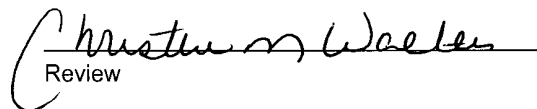
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

Comments: **Drill Pit Sample**

Analyst



Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	ConocoPhillips	Project #	96052-0026
Sample ID.	Filan 5N Background	Date Reported:	08-07-08
Laboratory Number:	46587	Date Sampled.	08-01-08
Chain of Custody.	4832	Date Received:	08-01-08
Sample Matrix.	Soil	Date Analyzed	08-06-08
Preservative		Date Extracted:	08-05-08
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.

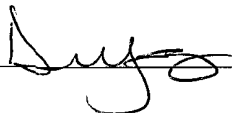
Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	97.0 %
	1,4-difluorobenzene	97.0 %
	Bromochlorobenzene	97.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996

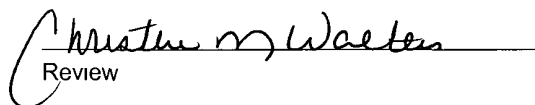
Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Drill Pit Sample**

Analyst



Review





# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client	N/A	Project #	N/A
Sample ID	08-06-BT QA/QC	Date Reported	08-07-08
Laboratory Number	46580	Date Sampled	N/A
Sample Matrix	Soil	Date Received	N/A
Preservative	N/A	Date Analyzed	08-06-08
Condition	N/A	Analysis	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff.	Blank Conc	Detect. Limit
		Accept. Range 0 - 15%			
Benzene	8.5285E+007	8.5456E+007	0.2%	ND	0.1
Toluene	6.4832E+007	6.4962E+007	0.2%	ND	0.1
Ethylbenzene	5.1253E+007	5.1355E+007	0.2%	ND	0.1
p,m-Xylene	1.0553E+008	1.0575E+008	0.2%	ND	0.1
o-Xylene	4.9491E+007	4.9590E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	6.1	6.0	1.6%	0 - 30%	0.9
Toluene	18.3	18.0	1.6%	0 - 30%	1.0
Ethylbenzene	5.6	5.3	5.4%	0 - 30%	1.0
p,m-Xylene	223	222	0.3%	0 - 30%	1.2
o-Xylene	29.5	29.1	1.4%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	6.1	50.0	55.7	99.3%	39 - 150
Toluene	18.3	50.0	66.3	97.1%	46 - 148
Ethylbenzene	5.6	50.0	52.6	94.6%	32 - 160
p,m-Xylene	223	100	320	98.9%	46 - 148
o-Xylene	29.5	50.0	77.4	97.4%	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 46580 - 46589.

\_\_\_\_\_  
Analyst

\_\_\_\_\_  
Christine M. Waeter  
Review

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Filan 5N	Date Reported:	08-06-08
Laboratory Number:	46586	Date Sampled:	08-01-08
Chain of Custody:	4832	Date Received:	08-01-08
Sample Matrix:	Soil	Date Analyzed:	08-05-08
Preservative:		Date Digested:	08-04-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.075	0.001	5.0
Barium	22.9	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.137	0.001	5.0
Lead	0.184	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.027	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 Emission Spectroscopy, SW-846, USEPA, December 1996.

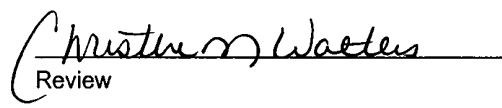
Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Drill Pit Sample.**

Analyst



Review



# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Filan 5N Background	Date Reported:	08-06-08
Laboratory Number:	46587	Date Sampled:	08-01-08
Chain of Custody:	4832	Date Received:	08-01-08
Sample Matrix:	Soil	Date Analyzed:	08-05-08
Preservative:		Date Digested:	08-04-08
Condition:	Intact	Analysis Needed:	Total Metals

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)	TCLP Regulatory Level (mg/Kg)
Arsenic	0.057	0.001	5.0
Barium	8.44	0.001	100
Cadmium	0.001	0.001	1.0
Chromium	0.050	0.001	5.0
Lead	0.165	0.001	5.0
Mercury	ND	0.001	0.2
Selenium	0.021	0.001	1.0
Silver	ND	0.001	5.0

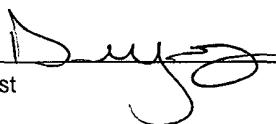
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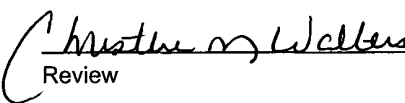
References: Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission 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 Pit Sample.**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## TRACE METAL ANALYSIS Quality Control / Quality Assurance Report

Client	QA/QC	Project #:	QA/QC
Sample ID	08-05 TM QA/AC	Date Reported:	08-06-08
Laboratory Number	46580	Date Sampled:	N/A
Sample Matrix	Soil	Date Received:	N/A
Analysis Requested	Total RCRA Metals	Date Analyzed:	08-05-08
Condition	N/A	Date Digested	08-04-08

Blank & Duplicate Conc. (mg/Kg)	Instrument Blank (mg/Kg)	Method Blank	Detection Limit	Sample	Duplicate	% Diff.	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Barium	ND	ND	0.001	33.1	33.1	0.0%	0% - 30%
Cadmium	ND	ND	0.001	0.008	0.009	13.8%	0% - 30%
Chromium	ND	ND	0.001	0.173	0.164	5.0%	0% - 30%
Lead	ND	ND	0.001	0.346	0.343	0.8%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Selenium	ND	ND	0.001	ND	ND	0.0%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.0%	0% - 30%

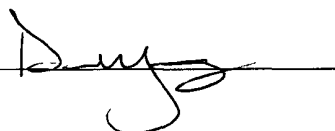
Spike Conc. (mg/Kg)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.250	ND	0.274	109%	80% - 120%
Barium	0.500	33.1	29.6	88.1%	80% - 120%
Cadmium	0.250	0.008	0.238	92.4%	80% - 120%
Chromium	0.500	0.173	0.549	81.6%	80% - 120%
Lead	0.500	0.346	0.696	82.3%	80% - 120%
Mercury	0.100	ND	0.096	96.4%	80% - 120%
Selenium	0.100	ND	0.097	97.2%	80% - 120%
Silver	0.100	ND	0.085	84.6%	80% - 120%

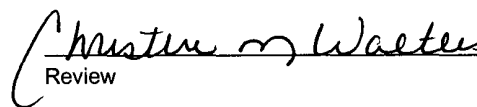
ND - Parameter not detected at the stated detection limit.

References      Method 3050B, Acid Digestion of Sediments, Sludges and Soils.  
SW-846, USEPA, December 1996.

Method 6010B, Analysis of Metals by Inductively Coupled Plasma Atomic Emission Spectroscopy, SW-846, USEPA, December 1996.

Comments:      QA/QC for Samples 46580 - 46589.

Analyst 

Review 

# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## CATION / ANION ANALYSIS

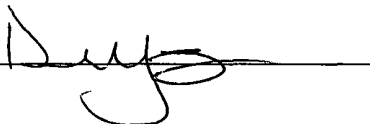
Client	ConocoPhillips	Project #.	96052-0026
Sample ID	Filan 5N	Date Reported:	08-11-08
Laboratory Number:	46586	Date Sampled:	08-01-08
Chain of Custody.	4832	Date Received:	08-01-08
Sample Matrix	Soil Extract	Date Extracted:	08-04-08
Preservative		Date Analyzed:	08-05-08
Condition	Intact		

Parameter	Analytical Result	Units		
pH	7.47	s u.		
Conductivity @ 25° C	1,260	umhos/cm		
Total Dissolved Solids @ 180C	840	mg/L		
Total Dissolved Solids (Calc)	834	mg/L		
SAR	4.4	ratio		
Total Alkalinity as CaCO3	108	mg/L		
Total Hardness as CaCO3	227	mg/L		
Bicarbonate as HCO3	108	mg/L	1.77	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	<0.01	mg/L	0.00	meq/L
Nitrite Nitrogen	0.005	mg/L	0.00	meq/L
Chloride	100	mg/L	2.82	meq/L
Fluoride	0.509	mg/L	0.03	meq/L
Phosphate	3.00	mg/L	0.09	meq/L
Sulfate	417	mg/L	8.68	meq/L
Iron	0.259	mg/L	0.01	meq/L
Calcium	76.6	mg/L	3.82	meq/L
Magnesium	8.58	mg/L	0.71	meq/L
Potassium	10.80	mg/L	0.28	meq/L
Sodium	152	mg/L	6.61	meq/L
Cations			11.43	meq/L
Anions			13.39	meq/L
Cation/Anion Difference			14.70%	

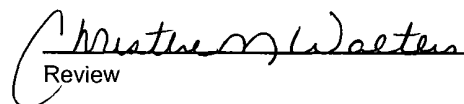
Reference U S E P.A , 600/4-79-020, "Methods for Chemical Analysis of Water and Wastes", 1983  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments **Drill Pit Sample.**

Analyst



Review



Client:	ConocoPhillips	Project #:	96052-0026
Sample ID	Filan 5N Background	Date Reported:	08-11-08
Laboratory Number	46587	Date Sampled:	08-01-08
Chain of Custody	4832	Date Received:	08-01-08
Sample Matrix	Soil Extract	Date Extracted:	08-04-08
Preservative		Date Analyzed:	08-05-08
Condition	Intact		

Parameter	Analytical Result	Units
pH	8.14	s.u.
Conductivity @ 25° C	219	umhos/cm
Total Dissolved Solids @ 180C	116	mg/L
Total Dissolved Solids (Calc)	124	mg/L
SAR	1.3	ratio
Total Alkalinity as CaCO3	53.0	mg/L
Total Hardness as CaCO3	56.8	mg/L

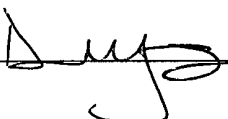
Bicarbonate as HCO3	53.0	mg/L	0.87	meq/L
Carbonate as CO3	<0.1	mg/L	0.00	meq/L
Hydroxide as OH	<0.1	mg/L	0.00	meq/L
Nitrate Nitrogen	1.10	mg/L	0.02	meq/L
Nitrite Nitrogen	0.147	mg/L	0.00	meq/L
Chloride	32.0	mg/L	0.90	meq/L
Fluoride	0.253	mg/L	0.01	meq/L
Phosphate	5.40	mg/L	0.17	meq/L
Sulfate	7.56	mg/L	0.16	meq/L
Iron	1.29	mg/L	0.05	meq/L
Calcium	21.3	mg/L	1.06	meq/L
Magnesium	0.866	mg/L	0.07	meq/L
Potassium	1.42	mg/L	0.04	meq/L
Sodium	21.8	mg/L	0.95	meq/L

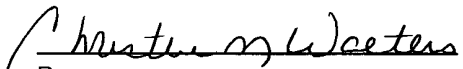
Cations	2.16	meq/L
Anions	2.13	meq/L

Cation/Anion Difference **1.47%**

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 Pit Sample.**

  
\_\_\_\_\_  
Analyst

  
\_\_\_\_\_  
Review

Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Filan 5N	Date Reported:	08-05-08
Laboratory Number:	46586	Date Sampled:	08-01-08
Chain of Custody No:	4832	Date Received:	08-01-08
Sample Matrix:	Soil	Date Extracted:	08-04-08
Preservative:		Date Analyzed:	08-04-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	17.9	5.0

ND = Parameter not detected at the stated detection limit.

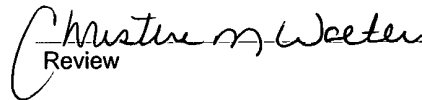
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Drill Pit Sample.**

Analyst



Review



Client:	ConocoPhillips	Project #:	96052-0026
Sample ID:	Filan 5N Background	Date Reported:	08-05-08
Laboratory Number:	46587	Date Sampled:	08-01-08
Chain of Custody No:	4832	Date Received:	08-01-08
Sample Matrix:	Soil	Date Extracted:	08-04-08
Preservative:		Date Analyzed:	08-04-08
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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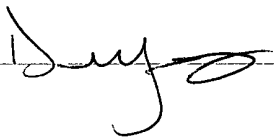
<b>Total Petroleum Hydrocarbons</b>	<b>25.0</b>	<b>5.0</b>
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ND = Parameter not detected at the stated detection limit.

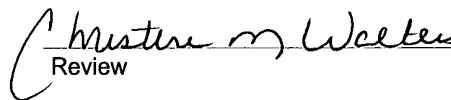
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **Drill Pit Sample.**

Analyst



Review





# ENVIROTECH LABS

PRACTICAL SOLUTIONS FOR A BETTER TOMORROW

## EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	08-05-08
Laboratory Number:	08-04-TPH.QA/QC 46580	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	08-0-08
Preservative:	N/A	Date Extracted:	08-04-08
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept Range
	08-01-08	08-0-08	1,790	1,750	2.2%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	14.3

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept Range
TPH	214	257	20.0%	+/- 30%

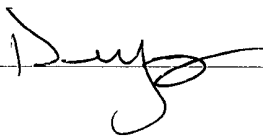
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	214	2,000	2,250	102%	80 - 120%

ND = Parameter not detected at the stated detection limit.

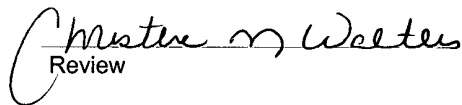
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: QA/QC for Samples 46558, 46559, 46561 - 46563, 46567, 46470, 46571 and 46576 - 46578.

Analyst



Review



Submit To Appropriate District Office  
 Two Copies  
 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 and Natural Resources

Form C-105  
 July 17, 2008

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

1. WELL API NO.  
**30-045-34479**  
 2 Type of Lease  
 STATE  FEE  FED/INDIAN  
 3 State Oil & Gas Lease No  
**SF-078461**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

4 Reason for filing  
 **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)  
 **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)

5 Lease Name or Unit Agreement Name  
**Filan**  
 6 Well Number  
**5N**

7 Type of Completion  
 NEW WELL  WORKOVER  DEEPENING  PLUGBACK  DIFFERENT RESERVOIR  OTHER

8 Name of Operator  
**Burlington Resources Oil Gas Company, LP**

9 OGRID  
 14538

10 Address of Operator  
 PO Box 4298, Farmington, NM 87499

11 Pool name or Wildcat

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
<b>Surface:</b>										
<b>BH:</b>										

13 Date Spudded  
 14 Date T D Reached  
 15 Date Rig Released  
**04/12/2008**  
 16 Date Completed (Ready to Produce)  
 17 Elevations (DF and RKB, RT, GR, etc )

18 Total Measured Depth of Well  
 19 Plug Back Measured Depth  
 20 Was Directional Survey Made?  
 21 Type Electric and Other Logs Run

22 Producing Interval(s), of this completion - Top, Bottom, Name

**CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB /FT	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD				25 TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26 Perforation record (interval, size, and number)  
 27 ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.  
 DEPTH INTERVAL      AMOUNT AND KIND MATERIAL USED

**PRODUCTION**

Date First Production      Production Method (Flowing, gas lift, pumping - Size and type pump)      Well Status (Prod or Shut-in)

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl	Gas - Oil Ratio
Flow Tubing Press	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl	Gas - MCF	Water - Bbl	Oil Gravity - API - (Corr)	

29 Disposition of Gas (Sold, used for fuel, vented, etc )      30 Test Witnessed By

31 List Attachments

32 If a temporary pit was used at the well, attach a plat with the location of the temporary pit

33 If an on-site burial was used at the well, report the exact location of the on-site burial

Latitude **36.6041389°N** Longitude **107.708444°W** NAD  1927  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 *Crystal Tafoya*      Printed Name **Crystal Tafoya**      Title. **Regulatory Tech**      Date: **2/2/2010**

E-mail Address **crystal.tafoya@conocophillips.com**



**Pit Closure Form:**

Date: 8/25/08

Well Name: filon # 5N

Footages: \_\_\_\_\_ Unit Letter: F

Section: 5, T-21 -N, R-8 -W, County: San Juan State: N.M

Contractor Closing Pit: A-2

Construction Inspector: Eric Smith Date: 8/25/08

Inspector Signature: [Signature]

## Tafoya, Crystal

---

**From:** Busse, Dollie L  
**Sent:** Tuesday, August 19, 2008 7:01 AM  
**To:** Brandon Powell, Mark Kelly, Robert Switzer, Sherrie Landon  
**Cc:** A&Z, Chavez, Virgil E, GRP SJB� Production Foreman, GRP.SJB� Production Leads, Kramme, Jeff L, Larry Thacker, Blair, Maxwell O, Blakley, Maclovía, 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 - Filan 5N  
**Importance:** High

**A&Z Contracting** will be moving a tractor to the **Filan 5N** on **Thursday afternoon, August 21, 2008** to start the reclamation process. Please contact Eric Smith (608-1387) if you have any questions or need additional information.

Thanks!

Dollie

**Network #:** 10198357 (NANN)  
**Operator:** **Burlington Resources**  
**Legals:** 2625' FNL, 1413' FWL  
Section 5, T27N, R8W  
Unit Letter ' F' (SENW)  
San Juan County, NM  
**Lease:** USA SF-078461  
**API #:** 30-045-34479  
**Surface/Minerals:** BLM/BLM

### **Dollie L. Busse**

**ConocoPhillips Company-SJB�**

Construction Technician

Project Development

505-324-6104

505-599-4062 (fax)

[Dollie.L.Busse@conocophillips.com](mailto:Dollie.L.Busse@conocophillips.com)

# ConocoPhillips

**Reclamation Form:**

Date: 3/18/09

Well Name: f: law # 5N

Footages: 2225 FNL 1413 FNL Unit Letter: F

Section: 5, T-27-N, R-8-W, County: San Juan State: N.M.

Reclamation Contractor: A-2

Reclamation Date: 12/15/09

Road Completion Date: 3/14/09

Seeding Date: 3/14/09

Construction Inspector: Eric Smith Date: 3/25/09

Inspector Signature: E. Smith

# BURLINGTON RESOURCES

ConocoPhillips

FILAN #5N

LATITUDE 36.604019° N(NAD83)

LONGITUDE 107.708152° W

UNIT F SEC 5 T27N R08W

2625' FNL 1413' FWL

PI # 30-045-34479

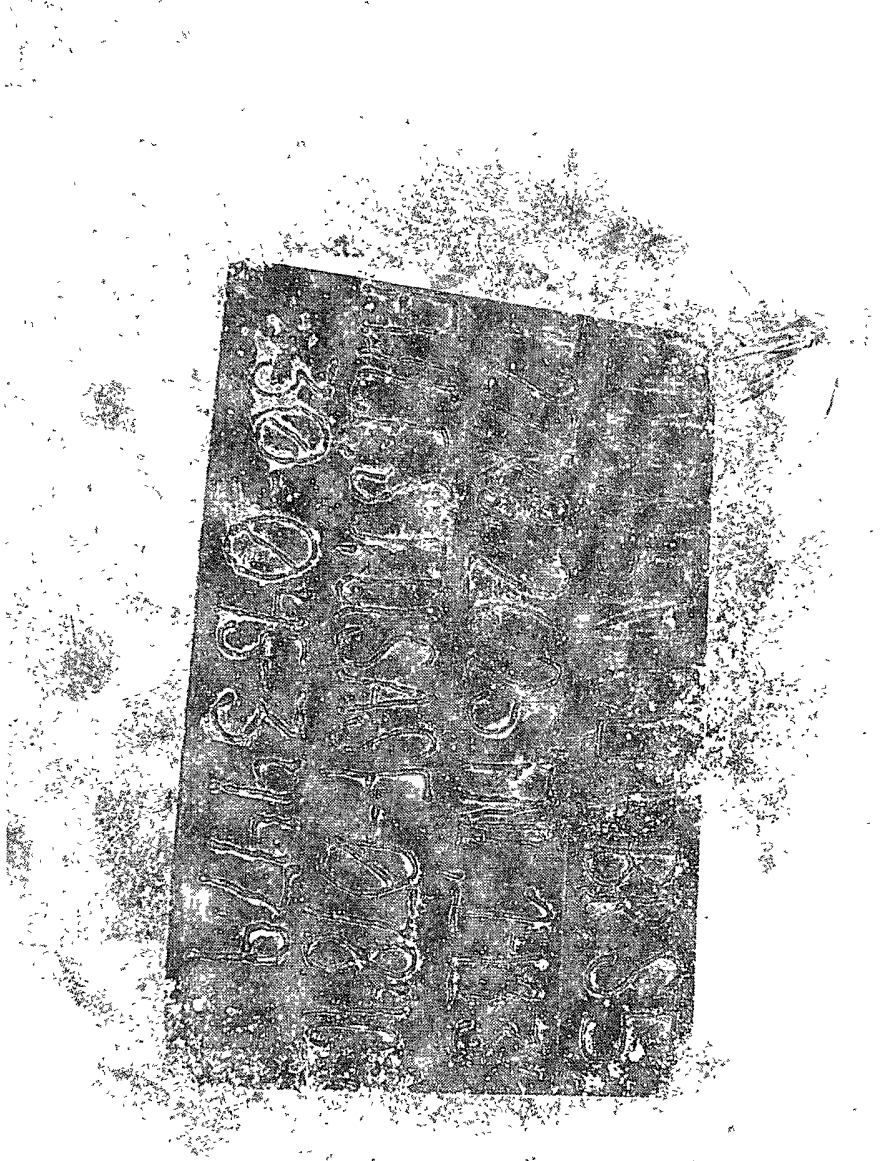
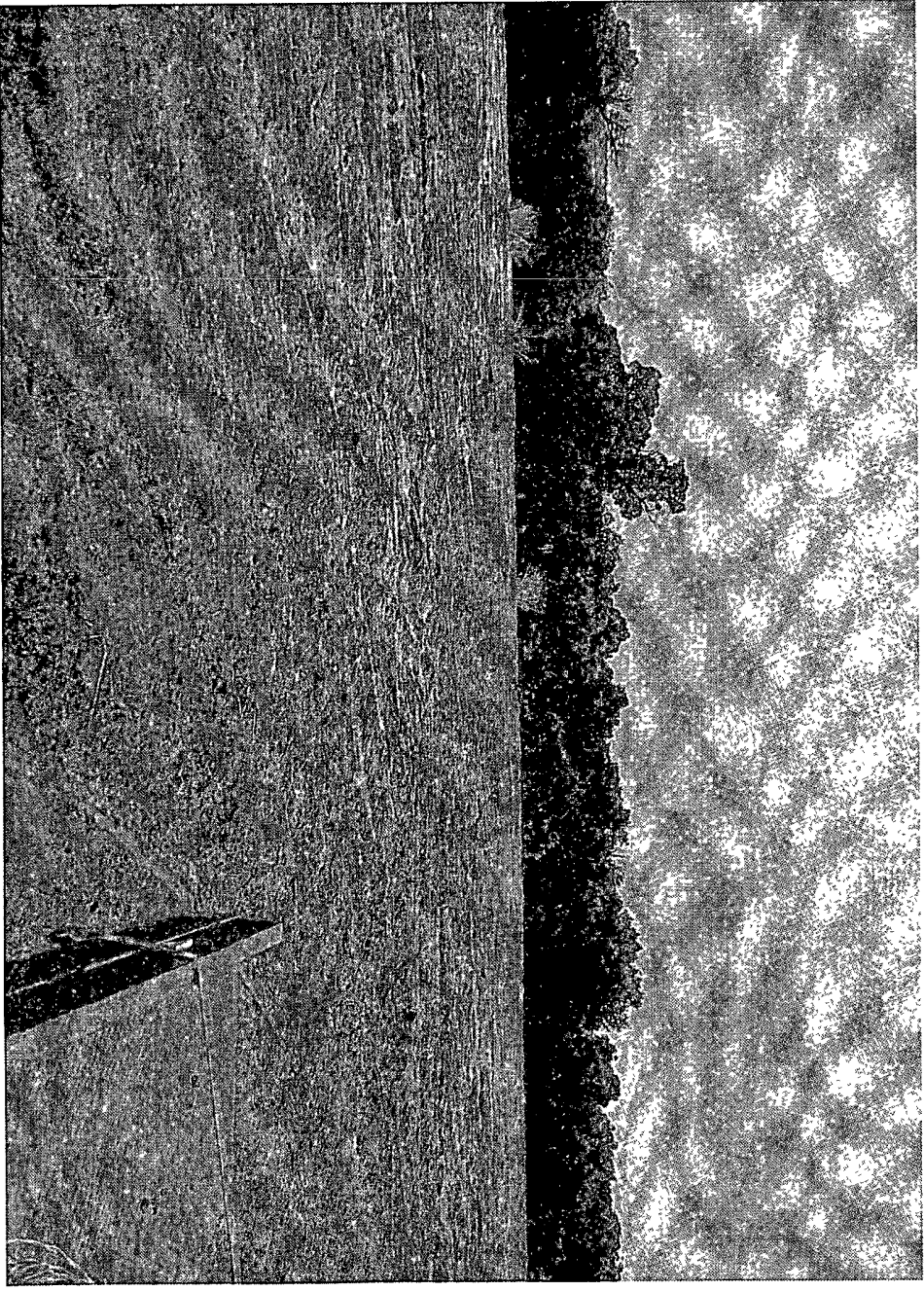
LEASE# USA SF-078461 ELEV. 6419' GL

SAN JUAN COUNTY, NEW MEXICO

EMERGENCY CONTACT: 1-505-599-3400







## WELL PAD SAFETY AND ENVIRONMENTAL CHECK LIST

WELL NAME: Filan #5N

API#: 30-045-34479

DATE	INSPECTOR	SAFETY CHECK	LOCATION CHECK	PICTURES TAKEN	COMMENTS
2/22/08	Eric Smith	X	X	X	
3/7/08	Eric Smith	X	X	X	
4/16/08	Johnny R. McDonald	X	X	X	Called Nobles to pull blow pit
5/2/08	Jared Chavez	X	X	X	Fence needs tightened, extra fence needs picked up, called MVCI
5/22/08	Jared Chavez	X	X	X	Extra fence needs picked up, blow pit is burned, a few small holes, blow pit needs pulled, called MVCI and Paul and Sons
6/2/08	Jared Chavez				Key Rig #28 is on location
6/10/08	Scott Smith	X	X	X	Fence need repair, liner torn blow pit, notified OCD and MVCI
6/17/08	Scott Smith	X	X	X	Liner isn't keyed in properly at blow pit
6/24/08	Scott Smith	X	X	X	No problem with fence or liner
7/1/08	Scott Smith	X	X	X	Liner needs re-taped and keyed in @ blow pit
7/8/08	Scott Smith	X	X	X	Fence and liner in good condition
7/16/08	Scott Smith	X	X	X	Fence and liner in good condition
7/28/08	Scott Smith	X	X	X	Fence and liner in good condition
8/5/08	Scott Smith	X	X	X	Fence and liner in good condition
8/11/08	Scott Smith	X	X	X	Fence and liner in good condition
8/18/08	Scott Smith	X	X	X	Fence and liner in good condition
8/25/08	Scott Smith				Pit closed