

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.

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

10851

- 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: PO Box 4289, Farmington, NM 87499
Facility or well name: SAN JUAN 29-7 UNIT 99C
API Number: 30-039-31154 OCD Permit Number: _____
U/L or Qtr/Qtr: C(NE/NW) Section: 29 Township 29N Range: 7W County: RIO ARRIBA
Center of Proposed Design: Latitude: 36.7019859 °N Longitude: 107.5981682 °W NAD: ### 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 (Pre-set)
 Lined Unlined Liner type: Thickness _____ mil LLDPE HDPE PVC Other _____
 String-Reinforced
Liner Seams: Welded Factory Other _____ Volume: _____ bbl Dimensions L _____ x W _____ x D _____

RCVD NOV 20 '13
OIL CONS. DIV.
DIST. 3

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.

14

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. (Cavitation pit for Pre-set)
- 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.

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank.

- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

Yes No

Within 300 feet of a continuously flowing watercourse, or 200 feet of any other watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

- Topographic map; Visual inspection (certification) of the proposed site

Yes No

Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applies to temporary, emergency, or cavitation pits and below-grade tanks)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Yes No

NA

Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

(Applied to permanent pits)

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Yes No

NA

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.

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site.

Yes 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

- Written confirmation or verification from the municipality; Written approval obtained from the municipality

Yes No

Within 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

Yes No

Within the area overlying a subsurface mine.

- Written confirmation or verification or map from the NM EMNRD - Mining and Mineral Division

Yes No

Within an unstable area.

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Yes No

Within a 100-year floodplain

- FEMA map

Yes No

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 (l) 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: Envirotech / JFJ Landfarm % IEI Disposal Facility Permit #: NM-01-0011 / NM-01-0010B

Disposal Facility Name: Basin Disposal Facility Disposal Facility Permit #: NM-01-005

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. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A |
| Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | <input type="checkbox"/> Yes <input type="checkbox"/> No <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). - 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. - Visual inspection (certification) of the proposed site; Aerial photo; satellite image | <input type="checkbox"/> Yes <input type="checkbox"/> No <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. - 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. - 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 - 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. - 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. - 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. - 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: _____

#

OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment)

OCD Representative Signature: Growth Kelly Approval Date: 11/25/2013

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: _____ 2/19/2013

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.

#

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: _____ Longitude: _____ 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): PATSY CLUGSTON Title: STAFF REGULATORY TECHNICIAN
Signature: Patsy Clugston Date: 11/14/2013
e-mail address: clugspl@conocophillips.com Telephone: 505-326-9518

ConocoPhillips Company

Cavitation Pit for Closed-Loop Locations

Design: SAN JUAN 29-7 UNIT 99C / API – 30-039-31154

ConocoPhillips Company will use a cavitation pit plan when the surface casing will be pre-set on closed-loop locations. The drill cuttings will be stockpiled on the surface.

Operations and Maintenance:

The cavitation pit will be operated and maintained as follows:

1. Only Fresh water and air will be used in the drilling of the surface casing.
2. The Cement used will be: Neat Cement with no additives.
3. All of the fluids will be removed within 48hrs after drilling.
4. A representative five point composite sample will be taken of the drill cuttings, after the setting of the surface casing is complete, using sampling tools and all samples will be tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the testing criteria is not met, all contents will be dug and hauled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e.

| Components | Tests Method | Limit (mg/Kg) |
|------------|---------------------------|---------------|
| Benzene | EPA SW-846 8021B or 8260B | 0.2 |
| BTEX | EPA SW-846 8021B or 8260B | 50 |
| TPH | EPA SW-846 418.1 | 2500 |
| GRO/DRO | EPA SW-846 8015M | 500 |
| Chlorides | EPA 300.1 | 500 |

5. The NMOCD will be notified via email of the test results of the cavitation surface as follows:

| Components | Tests Method | Limit (mg/Kg) | Results |
|------------|---------------------------|---------------|---------|
| Benzene | EPA SW-846 8021B or 8260B | 0.2 | ND |
| BTEX | EPA SW-846 8021B or 8260B | 50 | ND |
| TPH | EPA SW-846 418.1 | 2500 | 1860 |
| GRO/DRO | EPA SW-846 8015M | 500 | 52.6 |
| Chlorides | EPA 300.1 | 500 | ND |

Closure Plan:

1. The NMOCD will be notified of the sample results and the intent to start the closure process 3-7 days prior to the drill cuttings being transported, moved, or distributed on location.
2. In the event the criteria are not met, all solids and liquids will be removed and disposed of at Envirotech (Permit #NM-01-0011) and/or Basin Disposal Facility (Permit #NM-01-005) and/or JFJ Landfarm % Industrial Ecosystem Inc. (Permit # NM-01-0010B).
3. Testing results will be submitted with the Closure Report of the well locations Closed-Loop Permit on Form C-144.

ConocoPhillips is aware that approval of this plan does not relieve ConocoPhillips of liability should operations result in pollution of surface water, ground water, or the environment. Nor does approval relieve ConocoPhillips of its responsibility to comply with any other applicable governmental authority's rules and regulations.



Analytical Report

Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 6275

Samples Received: 2/18/2013 4:50:00PM

Job Number: 92115-1271

Work Order: P302082

Project Name/Location: San Juan 29-7 Unit #99C

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Tim Cain', is written over a horizontal line.

Date: 2/19/13

Tim Cain, Laboratory Manager

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





| | | | |
|------------------------|------------------|-------------------------|-------------------------------------|
| ConocoPhillips | Project Name: | San Juan 29-7 Unit #99C | Reported: 19-Feb-13 18:49 |
| PO Box 2200 | Project Number: | 92115-1271 | |
| Bartlesville OK, 74005 | Project Manager: | Jamie L Goodwin | |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| Pre Set Cuttings | P302082-01A | Soil | 02/18/13 | 02/18/13 | Glass Jar, 4 oz. |

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| | | |
|---|--|------------------------------|
| ConocoPhillips PO Box 2200 Bartlesville OK, 74005 | Project Name: San Juan 29-7 Unit #99C Project Number: 92115-1271 Project Manager: Jamie L. Goodwin | Reported: 19-Feb-13 18:49 |
|---|--|------------------------------|

**Pre Set Cuttings
P302082-01 (Solid)**

| Analyte | Result | Reporting | | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------|-----------|--------|----------|---------|-----------|-----------|-----------|-------|
| | | Limit | Units | | | | | | |
| Volatiles Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| Toluene | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| Ethylbenzene | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| p,m-Xylene | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| o-Xylene | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| Total BTEX | ND | 50.0 | ug/kg | 50 | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| <i>Surrogate: Bromochlorobenzene</i> | | 98.9 % | 80-120 | | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| <i>Surrogate: 1,4-Difluorobenzene</i> | | 97.5 % | 80-120 | | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| <i>Surrogate: Fluorobenzene</i> | | 97.9 % | 80-120 | | 1308016 | 19-Feb-13 | 19-Feb-13 | EPA 8021B | |
| Nonhalogenated Organics by 8015 | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | 0.999 | 1308008 | 19-Feb-13 | 19-Feb-13 | EPA 8015D | |
| Diesel Range Organics (C10-C28) | 52.6 | 5.0 | mg/kg | 0.999 | 1308008 | 19-Feb-13 | 19-Feb-13 | EPA 8015D | |
| GRO and DRO Combined Fractions | 52.6 | 5.0 | mg/kg | 0.999 | 1308008 | 19-Feb-13 | 19-Feb-13 | EPA 8015D | |
| Total Petroleum Hydrocarbons by 418.1 | | | | | | | | | |
| Total Petroleum Hydrocarbons | 1860 | 20.0 | mg/kg | 3.992 | 1308015 | 19-Feb-13 | 19-Feb-13 | EPA 418.1 | |
| Cation/Anion Analysis | | | | | | | | | |
| Chloride | ND | 1.00 | mg/kg | 9.994 | 1308013 | 19-Feb-13 | 19-Feb-13 | EPA 300.0 | |

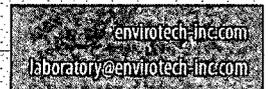
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5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879





ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: San Juan 29-7 Unit #99C
Project Number: 92115-1271
Project Manager: Jamie L Goodwin

Reported:
19-Feb-13 18:49

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1308016 - Purge and Trap EPA 5030A

Blank (1308016-BLK1)

Prepared & Analyzed: 19-Feb-13

| | | | | | | | | | | |
|--------------------------------|------|------|-------|------|--|------|--------|--|--|--|
| Benzene | ND | 50.0 | ug/kg | | | | | | | |
| Toluene | ND | 50.0 | " | | | | | | | |
| Ethylbenzene | ND | 50.0 | " | | | | | | | |
| p,m-Xylene | ND | 50.0 | " | | | | | | | |
| o-Xylene | ND | 50.0 | " | | | | | | | |
| Total BTEX | ND | 50.0 | " | | | | | | | |
| Surrogate: Bromochlorobenzene | 2400 | | " | 2500 | | 95.8 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 2360 | | " | 2500 | | 94.4 | 80-120 | | | |
| Surrogate: Fluorobenzene | 2400 | | " | 2500 | | 96.0 | 80-120 | | | |

Duplicate (1308016-DUP1)

Source: P302080-01

Prepared & Analyzed: 19-Feb-13

| | | | | | | | | | | |
|--------------------------------|------|------|-------|------|------|------|--------|-------|----|--|
| Benzene | 215 | 50.0 | ug/kg | | 220 | | | 2.51 | 30 | |
| Toluene | 147 | 50.0 | " | | 144 | | | 2.20 | 30 | |
| Ethylbenzene | 162 | 50.0 | " | | 188 | | | 14.4 | 30 | |
| p,m-Xylene | 1890 | 50.0 | " | | 1900 | | | 0.519 | 30 | |
| o-Xylene | 312 | 50.0 | " | | 314 | | | 0.751 | 30 | |
| Surrogate: Bromochlorobenzene | 2620 | | " | 2500 | | 105 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 2410 | | " | 2500 | | 96.5 | 80-120 | | | |
| Surrogate: Fluorobenzene | 2440 | | " | 2500 | | 97.6 | 80-120 | | | |

Matrix Spike (1308016-MS1)

Source: P302080-01

Prepared & Analyzed: 19-Feb-13

| | | | | | | | | | | |
|--------------------------------|------|------|-------|------|------|------|--------|--|--|--|
| Benzene | 2630 | 50.0 | ug/kg | 2500 | 220 | 96.3 | 39-150 | | | |
| Toluene | 2650 | 50.0 | " | 2500 | 144 | 100 | 46-148 | | | |
| Ethylbenzene | 2670 | 50.0 | " | 2500 | 188 | 99.5 | 32-160 | | | |
| p,m-Xylene | 6780 | 50.0 | " | 5000 | 1900 | 97.5 | 46-148 | | | |
| o-Xylene | 2730 | 50.0 | " | 2500 | 314 | 96.5 | 46-148 | | | |
| Surrogate: Bromochlorobenzene | 2760 | | " | 2500 | | 110 | 80-120 | | | |
| Surrogate: 1,4-Difluorobenzene | 2510 | | " | 2500 | | 100 | 80-120 | | | |
| Surrogate: Fluorobenzene | 2540 | | " | 2500 | | 102 | 80-120 | | | |

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| | | | |
|------------------------|------------------|-------------------------|-------------------------------------|
| ConocoPhillips | Project Name: | San Juan 29-7 Unit #99C | Reported: 19-Feb-13 18:49 |
| PO Box 2200 | Project Number: | 92115-1271 | |
| Bartlesville OK, 74005 | Project Manager: | Jamie L Goodwin | |

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1308008 - GRO/DRO Extraction EPA 3550C

Blank (1308008-BLK1) Prepared: 18-Feb-13 Analyzed: 19-Feb-13

| | | | | | | | | | | |
|----------------------------------|----|-----|-------|--|--|--|--|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 5.0 | mg/kg | | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 5.0 | " | | | | | | | |
| GRO and DRO Combined Fractions | ND | 5.0 | " | | | | | | | |

Duplicate (1308008-DUP1) Prepared: 18-Feb-13 Analyzed: 19-Feb-13

| | | | | | | | | | | |
|----------------------------------|------|---------------------------|-------|--|------|--|------|--|----|--|
| | | Source: P302080-01 | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 13.0 | 5.0 | mg/kg | | 10.1 | | 25.1 | | 30 | |
| Diesel Range Organics (C10-C28) | 14.8 | 5.0 | " | | 14.6 | | 1.30 | | 30 | |

Matrix Spike (1308008-MS1) Prepared: 18-Feb-13 Analyzed: 19-Feb-13

| | | | | | | | | | | |
|----------------------------------|-----|---------------------------|------|-----|------|-----|--------|--|--|--|
| | | Source: P302080-01 | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 264 | | mg/L | 250 | 10.1 | 101 | 75-125 | | | |
| Diesel Range Organics (C10-C28) | 270 | | " | 250 | 14.7 | 102 | 75-125 | | | |

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| | | | |
|------------------------|------------------|-------------------------|-------------------------------------|
| ConocoPhillips | Project Name: | San Juan 29-7 Unit #99C | Reported: 19-Feb-13 18:49 |
| PO Box 2200 | Project Number: | 92115-1271 | |
| Bartlesville OK, 74005 | Project Manager: | Jamie L Goodwin | |

Total Petroleum Hydrocarbons by 418.1 - Quality Control
Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|-----------------|-------|-------------|--------------------------------|------|-------------|--------|-----------|-------|
| Batch 1308015 - 418 Freon Extraction | | | | | | | | | | |
| Blank (1308015-BLK1) | | | | | Prepared & Analyzed: 19-Feb-13 | | | | | |
| Total Petroleum Hydrocarbons | ND | 20.0 | mg/kg | | | | | | | |
| Duplicate (1308015-DUP1) | | | | | Prepared & Analyzed: 19-Feb-13 | | | | | |
| Total Petroleum Hydrocarbons | 1870 | 20.0 | mg/kg | | 1860 | | | 0.0200 | 30 | |
| Matrix Spike (1308015-MS1) | | | | | Prepared & Analyzed: 19-Feb-13 | | | | | |
| Total Petroleum Hydrocarbons | 3460 | 20.0 | mg/kg | 2000 | 1860 | 80.1 | 80-120 | | | |

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ConocoPhillips
PO Box 2200
Bartlesville OK, 74005

Project Name: San Juan 29-7 Unit #99C
Project Number: 92115-1271
Project Manager: Jamie L. Goodwin

Reported:
19-Feb-13 18:49

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

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CHAIN OF CUSTODY RECORD

6275

Page 8 of 8

| Client: Conoco Phillips | | | Project Name / Location: San Juan 29-7 Unit #99C | | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | |
|--|----------------|----------------|--|-------------------------------------|--------------------------|---|-----------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|--|--|-------------|---------------|
| Client Address: 30th Street / Regulatory Dept. | | | Sampler Name: Tim Nobis | | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | Sample Cool | Sample Intact |
| Client Phone No.: 9784 505-326-9537 | | | Client No.: 96052-1706 92115-1271 Charge# 10343962 | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative H ₂ O ₂ HCl | | | | | | | | | | | | | | |
| Pre Set Cuttings | 2/18/13 | 2:30 PM | P302082-01 | Soil Solid Sludge Aqueous | 1 | 402 | | | | | | | | | | | | | Y | Y |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | |
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| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | |
| | | | | Soil Solid Sludge Aqueous | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | Date | Time | Received by: (Signature) | | | Date | Time | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |

Rush
e-mail results to
jamie.l.goodwin@conocophillips.com



ID: MCINNSK

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