

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

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

OIL CONS. DIV DIST. 3

Form C-141

AUG 25 2016 Revised August 8, 2011

Submit 1 Copy to appropriate District Office to  
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

|                 |   |                |                |
|-----------------|---|----------------|----------------|
| Name of Company | ConocoPhillips Company                        | Contact        | Bobby Spearman |
| Address         | 3401 East 30 <sup>th</sup> St, Farmington, NM | Telephone No.  | (505) 324-6131 |
| Facility Name:  | San Juan 29-5 #103                            | Facility Type: | Gas well       |

|               |     |               |     |         |            |
|---------------|-----|---------------|-----|---------|------------|
| Surface Owner | Fed | Mineral Owner | Fed | API No. | 3003922467 |
|---------------|-----|---------------|-----|---------|------------|

LOCATION OF RELEASE

|             |         |          |       |               |                  |               |                |            |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|------------|
| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County     |
| K           | 4       | 29N      | 5W    | 1820          | South            | 1570          | West           | Rio Arriba |

Latitude 36.752218 Longitude -107.366152

NATURE OF RELEASE

|                             |   |   |         |                            |         |
|-----------------------------|---|---|---------|----------------------------|---------|
| Type of Release             | Hydrocarbon   | Volume of Release                         | Unknown | Volume Recovered           | None    |
| Source of Release           | BGT   | Date and Hour of Occurrence               | 3-21-16 | Date and Hour of Discovery | 3-21-16 |
| Was Immediate Notice Given? | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required | If YES, To Whom?                          |         |                            |         |
| By Whom?                    | Date and Hour   |   |         |                            |         |
| Was a Watercourse Reached?  | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                       | If YES, Volume Impacting the Watercourse. |         |                            |         |

If a Watercourse was Impacted, Describe Fully.\*

Describe Cause of Problem and Remedial Action Taken.\*

BGT closure activities

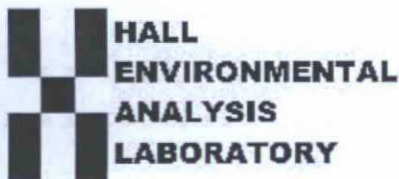
Describe Area Affected and Cleanup Action Taken.\*

Samples were collected 3-24-16 and analytical results are below applicable NMOCD action levels. No further work will be performed. The final lab report is attached for review.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

|   |  |                                   |
|---|--|-----------------------------------|
| Signature: <i>RSpearman</i>               | OIL CONSERVATION DIVISION                            |                                   |
| Printed Name: Robert E. Spearman          | Approved by Environmental Specialist: <i>Vanessa</i> |                                   |
| Title: Field Environmental Specialist     | Approval Date: <u>8/31/2016</u>                      | Expiration Date:                  |
| E-mail Address: robert.e.spearman@cop.com | Conditions of Approval:                              | Attached <input type="checkbox"/> |
| Date: 8-22-16 Phone: (505) 324-6131       | <u>NVF 1624442475</u>                                |                                   |

\* Attach Additional Sheets If Necessary



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

March 30, 2016

Emilee Skyles

Animas Environmental  
604 Pinon Street  
Farmington, NM 87401  
TEL: (505) 564-2281  
FAX

OIL CONS. DIV DIST. 3

AUG 25 2016

RE: COPC SJ 29-5 UNIT 103

OrderNo.: 1603A67

Dear Emilee Skyles:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/22/2016 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Animas Environmental  
 Project: COPC SJ 29-5 UNIT 103  
 Lab ID: 1603A67-001

Matrix: SOIL

Client Sample ID: S-1  
 Collection Date: 3/21/2016 11:01:00 AM  
 Received Date: 3/22/2016 7:05:00 AM

| Analyses                           | Result | PQL    | Qual | Units | DF | Date Analyzed        | Batch        |
|------------------------------------|--------|--------|------|-------|----|----------------------|--------------|
| <b>EPA METHOD 418.1: TPH</b>       |        |        |      |       |    |                      | Analyst: TOM |
| Petroleum Hydrocarbons, TR         | 24     | 19     |      | mg/Kg | 1  | 3/23/2016            | 24376        |
| <b>EPA METHOD 300.0: ANIONS</b>    |        |        |      |       |    |                      | Analyst: LGT |
| Chloride                           | 410    | 30     |      | mg/Kg | 20 | 3/28/2016 5:12:27 PM | 24483        |
| <b>EPA METHOD 8021B: VOLATILES</b> |        |        |      |       |    |                      | Analyst: NSB |
| Benzene                            | ND     | 0.023  |      | mg/Kg | 1  | 3/23/2016 1:01:51 PM | 24369        |
| Toluene                            | ND     | 0.046  |      | mg/Kg | 1  | 3/23/2016 1:01:51 PM | 24369        |
| Ethylbenzene                       | ND     | 0.046  |      | mg/Kg | 1  | 3/23/2016 1:01:51 PM | 24369        |
| Xylenes, Total                     | ND     | 0.092  |      | mg/Kg | 1  | 3/23/2016 1:01:51 PM | 24369        |
| Surr: 4-Bromofluorobenzene         | 109    | 80-120 |      | %Rec  | 1  | 3/23/2016 1:01:51 PM | 24369        |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

|             |    |   |    |   |
|-------------|----|---|----|---|
| Qualifiers: | *  | Value exceeds Maximum Contaminant Level.              | B  | Analyte detected in the associated Method Blank           |
|             | D  | Sample Diluted Due to Matrix                          | E  | Value above quantitation range                            |
|             | H  | Holding times for preparation or analysis exceeded    | J  | Analyte detected below quantitation limits                |
|             | ND | Not Detected at the Reporting Limit                   | P  | Sample pH Not In Range                                    |
|             | R  | RPD outside accepted recovery limits                  | RL | Reporting Detection Limit                                 |
|             | S  | % Recovery outside of range due to dilution or matrix | W  | Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A67

30-Mar-16

Client: Animas Environmental  
Project: COPC SJ 29-5 UNIT 103

|            |           |                |           |             |                          |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | MB-24483  | SampType:      | MBLK      | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | PBS       | Batch ID:      | 24483     | RunNo:      | 33131                    |          |           |      |          |      |
| Prep Date: | 3/28/2016 | Analysis Date: | 3/28/2016 | SeqNo:      | 1017182                  | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | ND        | 1.5            |           |             |                          |          |           |      |          |      |

|            |           |                |           |             |                          |          |           |      |          |      |
|------------|-----------|----------------|-----------|-------------|--------------------------|----------|-----------|------|----------|------|
| Sample ID  | LCS-24483 | SampType:      | LCS       | TestCode:   | EPA Method 300.0: Anions |          |           |      |          |      |
| Client ID: | LCSS      | Batch ID:      | 24483     | RunNo:      | 33131                    |          |           |      |          |      |
| Prep Date: | 3/28/2016 | Analysis Date: | 3/28/2016 | SeqNo:      | 1017183                  | Units:   | mg/Kg     |      |          |      |
| Analyte    | Result    | PQL            | SPK value | SPK Ref Val | %REC                     | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride   | 14        | 1.5            | 15.00     | 0           | 93.1                     | 90       | 110       |      |          |      |

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A67

30-Mar-16

Client: Animas Environmental  
Project: COPC SJ 29-5 UNIT 103

|                            |           |                |           |             |                       |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | MB-24376  | SampType:      | MBLK      | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | PBS       | Batch ID:      | 24376     | RunNo:      | 32998                 |          |           |      |          |      |
| Prep Date:                 | 3/22/2016 | Analysis Date: | 3/23/2016 | SeqNo:      | 1012162               | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | ND        | 20             |           |             |                       |          |           |      |          |      |

|                            |           |                |           |             |                       |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCS-24376 | SampType:      | LCS       | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS      | Batch ID:      | 24376     | RunNo:      | 32998                 |          |           |      |          |      |
| Prep Date:                 | 3/22/2016 | Analysis Date: | 3/23/2016 | SeqNo:      | 1012163               | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 99        | 20             | 100.0     | 0           | 99.0                  | 83.4     | 127       |      |          |      |

|                            |            |                |           |             |                       |          |           |      |          |      |
|----------------------------|------------|----------------|-----------|-------------|-----------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCSD-24376 | SampType:      | LCSD      | TestCode:   | EPA Method 418.1: TPH |          |           |      |          |      |
| Client ID:                 | LCSS02     | Batch ID:      | 24376     | RunNo:      | 32998                 |          |           |      |          |      |
| Prep Date:                 | 3/22/2016  | Analysis Date: | 3/23/2016 | SeqNo:      | 1012164               | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result     | PQL            | SPK value | SPK Ref Val | %REC                  | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Petroleum Hydrocarbons, TR | 100        | 20             | 100.0     | 0           | 103                   | 83.4     | 127       | 4.20 | 20       |      |

### Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1603A67

30-Mar-16

Client: Animas Environmental  
Project: COPC SJ 29-5 UNIT 103

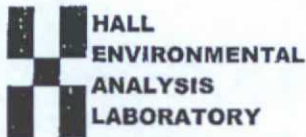
|                            |           |                |           |             |                             |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID                  | MB-24369  | SampType:      | MBLK      | TestCode:   | EPA Method 8021B: Volatiles |          |           |      |          |      |
| Client ID:                 | PBS       | Batch ID:      | 24369     | RunNo:      | 33018                       |          |           |      |          |      |
| Prep Date:                 | 3/22/2016 | Analysis Date: | 3/23/2016 | SeqNo:      | 1012945                     | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | ND        | 0.025          |           |             |                             |          |           |      |          |      |
| Toluene                    | ND        | 0.050          |           |             |                             |          |           |      |          |      |
| Ethylbenzene               | ND        | 0.050          |           |             |                             |          |           |      |          |      |
| Xylenes, Total             | ND        | 0.10           |           |             |                             |          |           |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.1       |                | 1.000     |             | 106                         | 80       | 120       |      |          |      |

|                            |           |                |           |             |                             |          |           |      |          |      |
|----------------------------|-----------|----------------|-----------|-------------|-----------------------------|----------|-----------|------|----------|------|
| Sample ID                  | LCS-24369 | SampType:      | LCS       | TestCode:   | EPA Method 8021B: Volatiles |          |           |      |          |      |
| Client ID:                 | LCSS      | Batch ID:      | 24369     | RunNo:      | 33018                       |          |           |      |          |      |
| Prep Date:                 | 3/22/2016 | Analysis Date: | 3/23/2016 | SeqNo:      | 1012946                     | Units:   | mg/Kg     |      |          |      |
| Analyte                    | Result    | PQL            | SPK value | SPK Ref Val | %REC                        | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene                    | 0.93      | 0.025          | 1.000     | 0           | 92.8                        | 75.3     | 123       |      |          |      |
| Toluene                    | 0.92      | 0.050          | 1.000     | 0           | 92.4                        | 80       | 124       |      |          |      |
| Ethylbenzene               | 0.95      | 0.050          | 1.000     | 0           | 95.0                        | 82.8     | 121       |      |          |      |
| Xylenes, Total             | 2.8       | 0.10           | 3.000     | 0           | 93.5                        | 83.9     | 122       |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.1       |                | 1.000     |             | 111                         | 80       | 120       |      |          |      |

## Qualifiers:

- |   |   |
|---|---|
| * Value exceeds Maximum Contaminant Level.              | B Analyte detected in the associated Method Blank           |
| D Sample Diluted Due to Matrix                          | E Value above quantitation range                            |
| H Holding times for preparation or analysis exceeded    | J Analyte detected below quantitation limits                |
| ND Not Detected at the Reporting Limit                  | P Sample pH Not In Range                                    |
| R RPD outside accepted recovery limits                  | RL Reporting Detection Limit                                |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: Animas Environmental

Work Order Number: 1603A67

RcptNo: 1

Received by/date: AS 03/22/16

Logged By: Lindsay Mangin

3/22/2016 7:05:00 AM

Completed By: Lindsay Mangin

3/22/2016 9:00:55 AM

Reviewed By: AG

03/22/16

### Chain of Custody

1. Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒
2. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
3. How was the sample delivered? Courier

### Log In

4. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
5. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
6. Sample(s) in proper container(s)? Yes ☒ No ☐
7. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
8. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
9. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
10. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
11. Were any sample containers received broken? Yes ☐ No ☒
12. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
13. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
14. Is it clear what analyses were requested? Yes ☒ No ☐
15. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: \_\_\_\_\_  
( $<2$  or  $>12$  unless noted)  
Adjusted? \_\_\_\_\_  
Checked by: \_\_\_\_\_

### Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

17. Additional remarks:

### 18. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1         | 1.1                     | Good      | Yes         |         |           |           |

