

**AUG 29 2014**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

*SUBMIT IN TRIPLICATE - Other instructions on page 2.*

|  |  |   |
|--|--|---|
| 1. Type of Well<br><input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other       |  | 7. If Unit of CA/Agreement, Name and/or No.                                 |
| 2. Name of Operator<br><b>Burlington Resources Oil &amp; Gas Company LP</b>  |  | 8. Well Name and No.<br><b>Cain 11E</b>                                     |
| 3a. Address<br><b>PO Box 4289, Farmington, NM 87499</b>  | 3b. Phone No. (include area code)<br><b>(505) 326-9700</b> | 9. API Well No.<br><b>30-045-23972</b>                                      |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)<br><b>Unit 0, 810' FSL &amp; 1825' FEL, Sec. 15, T28N, R10W</b> |  | 10. Field and Pool or Exploratory Area<br><b>Basin Dakota Undes. Gallup</b> |
|  |  | 11. Country or Parish, State<br><b>San Juan, New Mexico</b>                 |

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

| TYPE OF SUBMISSION                                    | TYPE OF ACTION                                |   |  |   |
|---|---|---|--|---|
| <input type="checkbox"/> Notice of Intent             | <input type="checkbox"/> Acidize              | <input type="checkbox"/> Deepen           | <input type="checkbox"/> Production (Start/Resume) | <input type="checkbox"/> Water Shut-Off   |
| <input checked="" type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing         | <input type="checkbox"/> Fracture Treat   | <input type="checkbox"/> Reclamation               | <input type="checkbox"/> Well Integrity   |
| <input type="checkbox"/> Final Abandonment Notice     | <input type="checkbox"/> Casing Repair        | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete                | <input checked="" type="checkbox"/> Other |
|   | <input type="checkbox"/> Change Plans         | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon       | <b>Landfarm Closure</b>                   |
|   | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back        | <input type="checkbox"/> Water Disposal            |   |

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

**RCVD SEP 4 '14**

**ConocoPhillips Company discovered a landfarm on the subject location in 3/2014. The landfarm was sampled on 3/13/14 with the results attached. Closure notification was sent to the BLM on 3/24/14. The landfarm was closed 4/25/2014 with the berms and gravel being spread on the road and the clean material was used to contour the location. Pictures of the completed work are attached.**

**DIST. 3**

**Accepted for Record**  
**02 Sept 2014**

*PR*

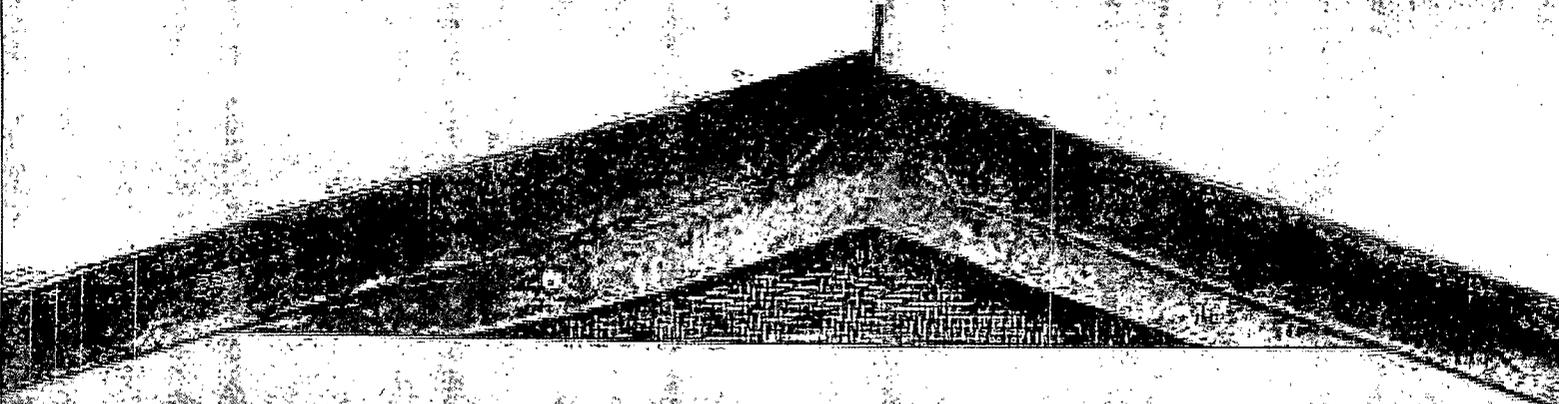
|   |  |
|---|--|
| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)<br><b>Lindsay Dumas</b> | Title<br><b>Field Environmental Specialist</b> |
| Signature<br><i>Lindsay Dumas</i>   | Date<br><b>8/26/2014</b>                       |

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

|   |        |           |
|---|--------|-----------|
| Approved by   | Title  | Date      |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office | <b>13</b> |

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

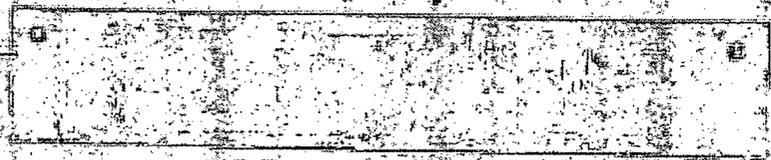
**NMOCGD**



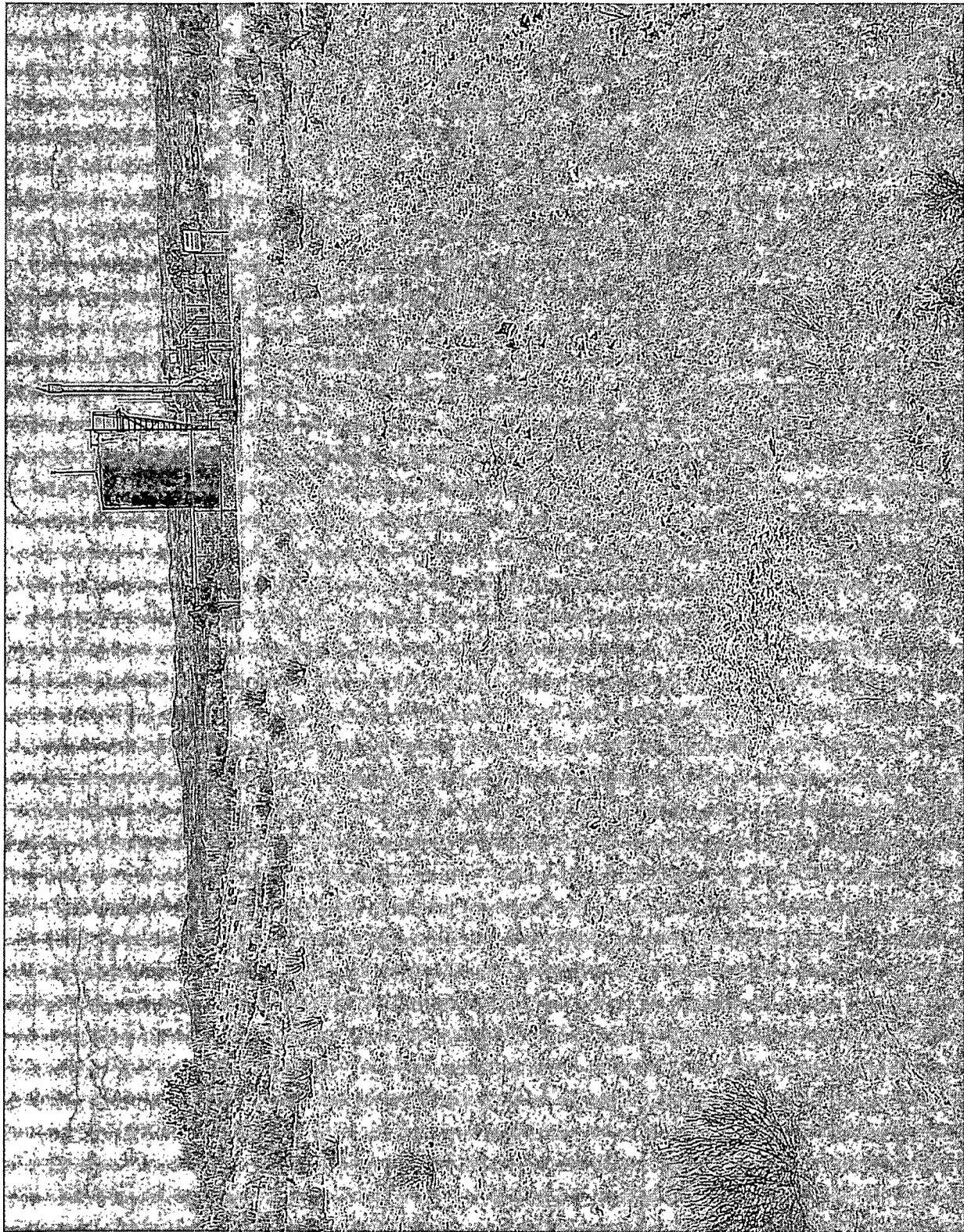
**INTERNATIONAL RESOURCE GROUP INC. CO**

**CAIN 11-E**

**810' FSL & 1825' FEL SF-080781 NMPM  
SW/SE SEC. 15 T-28-N R-10-W  
SAN JUAN COUNTY, NEW MEXICO**









## Analytical Report

### Report Summary

Client: ConocoPhillips

Chain Of Custody Number: 16665

Samples Received: 3/13/2014 11:00:00AM

Job Number: 96052-1706

Work Order: P403036

Project Name/Location: Cain 11E

Entire Report Reviewed By:

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

Date: 3/19/14

Tim Cain, Laboratory Manager

Supplement to analytical report generated on: 3/18/14 10:51 am

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.



|   |  |                              |
|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

### Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled  | Received | Container        |
|------------------|---------------|--------|----------|----------|------------------|
| Landfarm         | P403036-01A   | Soil   | 03/12/14 | 03/13/14 | Glass Jar, 4 oz. |

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|   |  |                              |
|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

**Landfarm  
P403036-01 (Solid)**

| Analyte                                      | Result | Reporting |       |        | Dilution | Batch    | Prepared | Analyzed  | Method | Notes |
|--|--------|-----------|-------|--------|----------|----------|----------|-----------|--------|-------|
|  |        | Limit     | Units |        |          |          |          |           |        |       |
| <b>Volatile Organics by EPA 8021</b>         |        |           |       |        |          |          |          |           |        |       |
| Benzene                                      | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| Toluene                                      | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| Ethylbenzene                                 | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| p,m-Xylene                                   | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| o-Xylene                                     | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| Total Xylenes                                | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| Total BTEX                                   | ND     | 0.05      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| <i>Surrogate: Bromochlorobenzene</i>         |        | 92.7 %    |       | 80-120 | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| <i>Surrogate: 1,3-Dichlorobenzene</i>        |        | 92.5 %    |       | 80-120 | 1411021  | 03/14/14 | 03/17/14 | EPA 8021B |        |       |
| <b>Nonhalogenated Organics by 8015</b>       |        |           |       |        |          |          |          |           |        |       |
| Gasoline Range Organics (C6-C10)             | ND     | 4.99      | mg/kg | 1      | 1411021  | 03/14/14 | 03/17/14 | EPA 8015D |        |       |
| Diesel Range Organics (C10-C28)              | ND     | 30.0      | mg/kg | 1      | 1411022  | 03/14/14 | 03/17/14 | EPA 8015D |        |       |
| <b>Total Petroleum Hydrocarbons by 418.1</b> |        |           |       |        |          |          |          |           |        |       |
| Total Petroleum Hydrocarbons                 | ND     | 20.0      | mg/kg | 1      | 1411020  | 03/14/14 | 03/14/14 | EPA 418.1 |        |       |

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|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

**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 1411021 - Purge and Trap EPA 5030A**

| <b>Blank (1411021-BLK1)</b>    |      |      | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |      |  |      |        |  |  |  |
|--------------------------------|------|------|---|------|--|------|--------|--|--|--|
| Benzene                        | ND   | 0.05 | mg/kg                                   |      |  |      |        |  |  |  |
| Toluene                        | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| Ethylbenzene                   | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| p,m-Xylene                     | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| o-Xylene                       | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| Total Xylenes                  | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| Total BTEX                     | ND   | 0.05 | "                                       |      |  |      |        |  |  |  |
| Surrogate: 1,3-Dichlorobenzene | 48.5 |      | ug/l                                    | 50.0 |  | 96.9 | 80-120 |  |  |  |
| Surrogate: Bromochlorobenzene  | 51.2 |      | "                                       | 50.0 |  | 102  | 80-120 |  |  |  |

| <b>Duplicate (1411021-DUP1)</b> |      |      | Source: P403035-01 |      | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |      |        |  |  |    |
|---------------------------------|------|------|--------------------|------|---|------|--------|--|--|----|
| Benzene                         | ND   | 0.05 | mg/kg              |      | ND                                      |      |        |  |  | 30 |
| Toluene                         | ND   | 0.05 | "                  |      | ND                                      |      |        |  |  | 30 |
| Ethylbenzene                    | ND   | 0.05 | "                  |      | ND                                      |      |        |  |  | 30 |
| p,m-Xylene                      | ND   | 0.05 | "                  |      | ND                                      |      |        |  |  | 30 |
| o-Xylene                        | ND   | 0.05 | "                  |      | ND                                      |      |        |  |  | 30 |
| Surrogate: 1,3-Dichlorobenzene  | 48.3 |      | ug/L               | 50.0 |   | 96.5 | 80-120 |  |  |    |
| Surrogate: Bromochlorobenzene   | 50.4 |      | "                  | 50.0 |   | 101  | 80-120 |  |  |    |

| <b>Matrix Spike (1411021-MS1)</b> |      |  | Source: P403035-01 |      | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |      |        |  |  |  |
|-----------------------------------|------|--|--------------------|------|---|------|--------|--|--|--|
| Benzene                           | 47.9 |  | ug/L               | 50.0 | ND                                      | 95.8 | 39-150 |  |  |  |
| Toluene                           | 48.3 |  | "                  | 50.0 | ND                                      | 96.5 | 46-148 |  |  |  |
| Ethylbenzene                      | 48.5 |  | "                  | 50.0 | ND                                      | 97.0 | 32-160 |  |  |  |
| p,m-Xylene                        | 96.9 |  | "                  | 100  | ND                                      | 96.9 | 46-148 |  |  |  |
| o-Xylene                          | 48.5 |  | "                  | 50.0 | ND                                      | 97.0 | 46-148 |  |  |  |
| Surrogate: 1,3-Dichlorobenzene    | 49.1 |  | "                  | 50.0 |   | 98.1 | 80-120 |  |  |  |
| Surrogate: Bromochlorobenzene     | 49.3 |  | "                  | 50.0 |   | 98.6 | 80-120 |  |  |  |

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|   |  |                              |
|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

**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 1411021 - Purge and Trap EPA 5030A**

|                                   |      |   |       |   |    |      |        |  |    |  |
|-----------------------------------|------|---|-------|---|----|------|--------|--|----|--|
| <b>Blank (1411021-BLK1)</b>       |      | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |       |   |    |      |        |  |    |  |
| Gasoline Range Organics (C6-C10)  | ND   | 5.00                                    | mg/kg |   |    |      |        |  |    |  |
| <b>Duplicate (1411021-DUP1)</b>   |      | <b>Source: P403035-01</b>               |       | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |    |      |        |  |    |  |
| Gasoline Range Organics (C6-C10)  | ND   | 4.99                                    | mg/kg |   | ND |      |        |  | 30 |  |
| <b>Matrix Spike (1411021-MS1)</b> |      | <b>Source: P403035-01</b>               |       | Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |    |      |        |  |    |  |
| Gasoline Range Organics (C6-C10)  | 0.45 |   | mg/L  | 0.450                                   | ND | 99.1 | 75-125 |  |    |  |

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|   |  |                              |
|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

**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 1411022 - DRO Extraction EPA 3550C**

|                                   |     |  |       |     |    |      |        |  |    |  |
|-----------------------------------|-----|--|-------|-----|----|------|--------|--|----|--|
| <b>Blank (1411022-BLK1)</b>       |     | Prepared: 14-Mar-14 Analyzed: 17-Mar-14                    |       |     |    |      |        |  |    |  |
| Diesel Range Organics (C10-C28)   | ND  | 30.0   | mg/kg |     |    |      |        |  |    |  |
| <b>Duplicate (1411022-DUP1)</b>   |     | Source: P403035-01 Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |       |     |    |      |        |  |    |  |
| Diesel Range Organics (C10-C28)   | ND  | 30.0   | mg/kg |     | ND |      |        |  | 30 |  |
| <b>Matrix Spike (1411022-MS1)</b> |     | Source: P403035-01 Prepared: 14-Mar-14 Analyzed: 17-Mar-14 |       |     |    |      |        |  |    |  |
| Diesel Range Organics (C10-C28)   | 221 |  | mg/L  | 250 | ND | 88.2 | 75-125 |  |    |  |

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|---|--|------------------------------|
| ConocoPhillips<br>PO Box 2200<br>Bartlesville OK, 74005 | Project Name: Cain 11E<br>Project Number: 96052-1706<br>Project Manager: Lindsay Dumas | Reported:<br>19-Mar-14 15:32 |
|---|--|------------------------------|

**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 1411020 - 418 Freon Extraction**

|                                   |      |      |       |   |      |      |        |      |    |  |
|-----------------------------------|------|------|-------|---|------|------|--------|------|----|--|
| <b>Blank (1411020-BLK1)</b>       |      |      |       | Prepared & Analyzed: 14-Mar-14                    |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | ND   | 20.0 | mg/kg |   |      |      |        |      |    |  |
| <b>Duplicate (1411020-DUP1)</b>   |      |      |       | Source: P403035-01 Prepared & Analyzed: 14-Mar-14 |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | 40.0 | 20.0 | mg/kg |   | 36.0 |      |        | 10.6 | 30 |  |
| <b>Matrix Spike (1411020-MS1)</b> |      |      |       | Source: P403035-01 Prepared & Analyzed: 14-Mar-14 |      |      |        |      |    |  |
| Total Petroleum Hydrocarbons      | 1870 | 20.0 | mg/kg | 2000  | 36.0 | 91.6 | 80-120 |      |    |  |

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|                        |                  |               |                  |
|------------------------|------------------|---------------|------------------|
| ConocoPhillips         | Project Name:    | Cain 11E      |                  |
| PO Box 2200            | Project Number:  | 96052-1706    | <b>Reported:</b> |
| Bartlesville OK, 74005 | Project Manager: | Lindsay Dumas | 19-Mar-14 15:32  |

**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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