

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

| | | |
|--|-----------------------------------|------------------------------|
| Name of Company Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company | Contact Shelly Cook-Cowden | |
| Address 3401 E. 30th St., Farmington, NM 87402 | Telephone No. 505-324-5140 | |
| Facility Name Canyon Largo Unit 286 | Facility Type Gas | |
| Surface Owner : Federal | Mineral Owner: Federal | Lease No. SF - 078877 |

LOCATION OF RELEASE

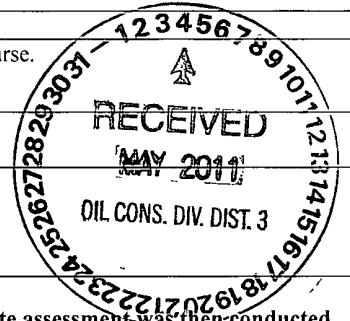
| | | | | | | | | |
|-------------------------|----------------------|-------------------------|----------------------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------------|
| Unit Letter B | Section 11 | Township 024N | Range 006W | Feet from the 1100' | North/South Line North | Feet from the 1800' | East/West Line East | County Rio Arriba County |
|-------------------------|----------------------|-------------------------|----------------------|-------------------------------|----------------------------------|-------------------------------|-------------------------------|------------------------------------|

Latitude 36.33136 ° N Longitude -107.43439 ° W

NATURE OF RELEASE

| | | |
|--|---|---|
| Type of Release - Produced water | Volume of Release - UNKNOWN | Volume Recovered - |
| Source of Release - Below Grade Tank | Date and Hour of Occurrence - UNKNOWN | Date and Hour of Discovery - |
| 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.* Below Grade Tank Closure Activities. | | |
| Describe Area Affected and Cleanup Action Taken.* The below grade tank sample results were above the regulatory standard for TPH, confirming a release. A site assessment was then conducted and the closure standard was determined to be 100 ppm TPH. Since the sample results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases no further action is required. | | |
| 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>Shelly Cook-Cowden</i> | | OIL CONSERVATION DIVISION |
| Printed Name: Shelly Cook-Cowden | | Approved by District Supervisor: <i>[Signature]</i> |
| Title: Environmental Technician | | Approval Date: 5/4/11 Expiration Date: |
| E-mail Address: Shelly.g.Cook-Cowden@ConocoPhillips.com | | Conditions of Approval: nJK1122356928 |
| Date: May 2, 2011 Phone: 505-324-5140 | | Attached <input type="checkbox"/> |

* Attach Additional Sheets If Necessary





April 22, 2011

Project Number 92115-1659

Ms. Kelsi Harrington
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

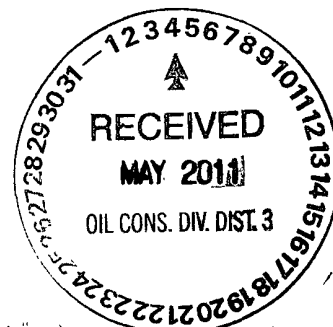
Phone: (505) 599-3403

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE CANYON LARGO #286 (hBr) WELL SITE, RIO ARRIBA COUNTY, NEW MEXICO

Dear Ms. Harrington,

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities performed at the Canyon Largo #286 (hBr) well site located in Section 11, Township 24 North, Range 6 West, Rio Arriba County, New Mexico. Prior to Envirotech's arrival on March 24, 2011, the BGT had been removed. One (1) five (5)-point composite sample was collected from beneath the former BGT. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, for organic vapors using a photoionization detector (PID), and for chlorides. Additionally, the sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500. The sample returned results below the regulatory standards for benzene, BTEX and chlorides; see attached **Analytical Results**. The sample returned results above the regulatory standard of 100 parts per million (ppm) TPH, confirming a release did occur.

A brief site assessment was conducted and the regulatory standards were determined to be 1000 ppm TPH and 100 ppm organic vapors due to horizontal distance to surface water being between 200 and 1000 feet, pursuant to New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Spills, Leaks, and Releases. The sample from beneath the former BGT returned results below the regulatory standard for TPH using USEPA Method 418.1; see attached **Field Notes**. Envirotech, Inc. recommends no further action in regards to this incident.



| | | |
|---|---|---|
| PAGE NO: <u>1</u> OF <u>1</u> <u>92115-1659</u> DATE STARTED: <u>3-24-11</u> DATE FINISHED: <u>3-24-11</u> | ENVIROTECH INC ENVIRONMENTAL SCIENTISTS & ENGINEERS 5796 U.S. HIGHWAY 64 - 3014 FARMINGTON, NEW MEXICO 87401 PHONE: (505) 632-0615 | ENVIRONMENTAL SPECIALIST: <u>C. Delgan</u> LAT: <u>36-3313887838</u> LONG: <u>-107.434858417</u> |
|---|---|---|

FIELD REPORT: BGT / PIT-CLOSURE VERIFICATION

LOCATION: NAME Canyon Largo WELL #: 286 TEMP PIT: PERMANENT PIT: BGT: X
 LEGAL ADD: UNIT B SEC: 11 TWP: 24 N RNG: 6 W PM: NM
 QTR/FOOTAGE: 1800' E 1100' N CNTY: Doña Ana ST: New Mexico

EXCAVATION APPROX: FT. X FT. X FT. DEEP CUBIC YARDAGE:
 DISPOSAL FACILITY: REMEDIATION METHOD:
 LAND OWNER: Federal API: 30039-21963 BGT / PIT VOLUME:
 CONSTRUCTION MATERIAL: DOUBLE-WALLED, WITH LEAK DETECTION:

LOCATION APPROXIMATELY: 55 FT. 242' FROM WELLHEAD
 DEPTH TO GROUNDWATER: 226'

TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg

TEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEP

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg

✓ PERMANENT PIT OR BGT

BENZENE ≤ 0.2 mg/kg, BTEX ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg

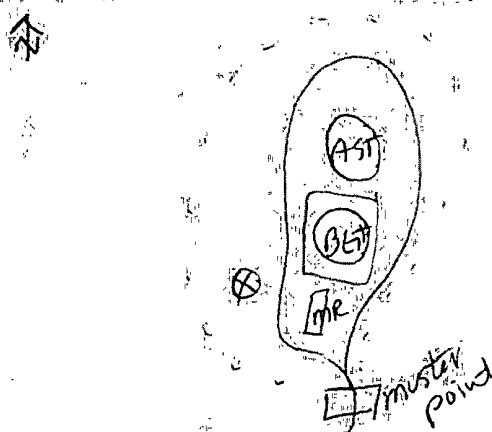
FIELD 418.1 ANALYSIS

| TIME | SAMPLE I.D. | LAB NO. | WEIGHT (g) | mL FREON | DILUTION | READING | CALC. (mg/kg) |
|------|-------------|---------|------------|----------|----------|---------|---------------|
| 9:40 | 200 STD | — | — | — | — | 2.20 | — |
| 9:43 | BGT | 1 | 5 | 20 | 4 | 150 | 600 |
| | 2 | | | | | | |
| | 3 | | | | | | |
| | 4 | | | | | | |
| | 5 | | | | | | |
| | 6 | | | | | | |

PERIMETER

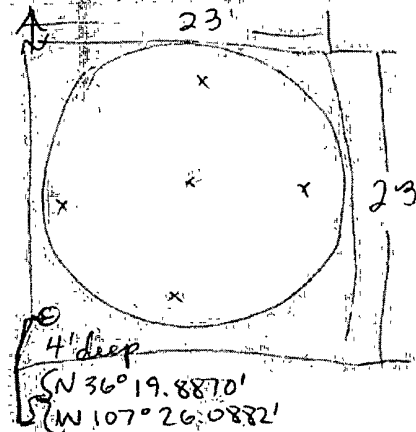
FIELD CHLORIDES RESULTS

PROFILE



| SAMPLE ID | READING | CALC. (mg/kg) |
|-----------|---------|---------------|
| STD | — | 28 |
| 1 | 2.0 | 64 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| PID RESULTS | |
|-------------|-----------------|
| SAMPLE ID | RESULTS (mg/kg) |
| BGT = 1 | 0.1 |
| | |
| | |
| | |
| | |
| | |



| LAB SAMPLES | | |
|-------------|-------------|---------|
| SAMPLE ID | ANALYSIS | RESULTS |
| 1 | (BENZENE) | |
| 1 | (BTEX) | |
| 1 | GRO & DRO | |
| 1 | (CHLORIDES) | |

NOTES:

Called Kelsi. she will call M. Cedabaca
 Run 8021 + CI

WORKORDER #

WHO ORDERED



**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client: ConocoPhillips
Sample No.: 1
Sample ID: BGT
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1659
Date Reported: 4/4/2011
Date Sampled: 3/24/2011
Date Analyzed: 3/24/2011
Analysis Needed: TPH-418.1

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

| | | |
|------------------------------|-----|-----|
| Total Petroleum Hydrocarbons | 600 | 5.0 |
|------------------------------|-----|-----|

ND = Parameter not detected at the stated detection limit.

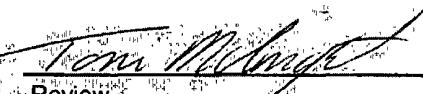
References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: Canyon Largo #286 (hBr)

Instrument calibrated to 200 ppm standard. Zeroed before each sample


Analyst

Crystal Delgai
Printed


Review

Toni McKnight, EIT
Printed



Field Chloride

Client: ConocoPhillips
Sample No.: 1
Sample ID: BGT
Sample Matrix: Soil
Preservative: Cool
Condition: Cool and Intact

Project #: 92115-1659
Date Reported: 4/4/2011
Date Sampled: 3/24/2011
Date Analyzed: 3/24/2011
Analysis Needed: Chloride

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|----------------|--------------------------|--------------------------|
| Field Chloride | 64 | 28.0 |

ND = Parameter not detected at the stated detection limit.

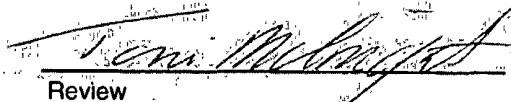
References: "Standard Methods for the Examination of Water and Wastewater", 18th ed., 1992.
Hach Company Quantab Titrators for Chloride

Comments: Canyon Largo #286 (hBr)


Analyst

Crystal Delgai

Printed


Review

Toni McKnight, EIT

Printed



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

| | | | |
|--------------------|----------------|----------------|----------|
| Client: | N/A | Project #: | N/A |
| Sample ID: | 0325BBLK QA/QC | Date Reported: | 03-25-11 |
| Laboratory Number: | 57703 | Date Sampled: | N/A |
| Sample Matrix: | Soil | Date Received: | N/A |
| Preservative: | N/A | Date Analyzed: | 03-25-11 |
| Condition: | N/A | Analysis: | BTEX |
| | | Dilution: | 10 |

| Calibration and Detection Limits (ug/L) | I-Cal RF | C-Cal RF | %Diff | Blank Conc | Detect Limit |
|--|-------------|----------------------|-------|---------------|-----------------|
| | | Accept Range 0 - 15% | | | |
| Benzene | 1.2639E+005 | 1.2664E+005 | 0.2% | ND | 0.1 |
| Toluene | 1.4440E+005 | 1.4469E+005 | 0.2% | ND | 0.1 |
| Ethylbenzene | 1.2547E+005 | 1.2572E+005 | 0.2% | ND | 0.1 |
| p,m-Xylene | 2.9441E+005 | 2.9500E+005 | 0.2% | ND | 0.1 |
| o-Xylene | 1.1984E+005 | 1.2008E+005 | 0.2% | ND | 0.1 |

| Duplicate Conc: (ug/Kg) | Sample | Duplicate | %Diff | Accept Range | Detect Limit |
|-------------------------|--------|-----------|-------|--------------|--------------|
| Benzene | ND | ND | 0.0% | 0 - 30% | 0.9 |
| Toluene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| Ethylbenzene | ND | ND | 0.0% | 0 - 30% | 1.0 |
| p,m-Xylene | ND | ND | 0.0% | 0 - 30% | 1.2 |
| o-Xylene | ND | ND | 0.0% | 0 - 30% | 0.9 |

| Spike Conc: (ug/Kg) | Sample | Amount Spiked | Spiked Sample | % Recovery | Accept Range |
|---------------------|--------|---------------|---------------|------------|--------------|
| Benzene | ND | 500 | 499 | 100% | 39 - 150 |
| Toluene | ND | 500 | 505 | 101% | 46 - 148 |
| Ethylbenzene | ND | 500 | 511 | 102% | 32 - 160 |
| p,m-Xylene | ND | 1000 | 975 | 97.5% | 46 - 148 |
| o-Xylene | ND | 500 | 516 | 103% | 46 - 148 |

ND - Parameter not detected at the stated detection limit.

Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

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 57701-57704, 57708

Analyst

Review

CHAIN OF CUSTODY RECORD

11419

| Client: Conoco Phillips | | | Project Name / Location: BGT Closure / Canyon Largo #286 (hBr) | | | ANALYSIS / PARAMETERS | | | | | | | | | | | | | | |
|---|-------------|-------------|---|---------------|---|---------------------------------------|-------------------|--------------------|-------------------|---------------|----------------|-----|---------------|-----|-------------|----------|--|--|-------------|---------------|
| Client Address: | | | Sampler Name: Crystal Delgari | | | | | | | | | | | | | | | | | |
| Client Phone No.: | | | Client No.: 92115-1659 | | | | | | | | | | | | | | | | | |
| Sample No./ Identification | Sample Date | Sample Time | Lab No. | Sample Matrix | No./Volume of Containers | Preservative HgCl ₂ HCl | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | ICl | TCLP with H/P | PAH | TPH (418.1) | CHLORIDE | | | Sample Cool | Sample Intact |
| BGT | 3/24/11 | 9:43 | 57704 | Soil Solid | 1-402 | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| | | | | Soil Solid | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) <i>Crystal Delgari</i> | | | Date | Time | Received by: (Signature) <i>[Signature]</i> | | | Date | | | Time | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | | | | Received by: (Signature) | | | | | | | | | | | | | | | |

RUSH



5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com