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
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

11398

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: Chevron Midcontinent, L.P. OGRID #: 241333
Address: Post Office Box 36366 Houston, TX 77236
Facility or well name: Redfern #1
API Number: 30-045-29035 OCD Permit Number: 1126
U/L or Qtr/Qtr K Section 14 Township 29N Range 13W County: San Juan
Center of Proposed Design: Latitude 36.723047° Longitude -108.179558° NAD: ☐ 1927 ☐ 1983
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

OIL CONS. DIV DIST. 3
AUG 27 2013

2.
☐ **Pit:** Subsection F or G of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A
☐ Lined ☐ Unlined Liner type: Thickness _____ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____ Volume: _____ bbl Dimensions: L_____ x W_____ x D_____

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 ☐ PVC ☐ Other _____
Liner Seams: ☐ Welded ☐ Factory ☐ Other _____

4.
☒ **Below-grade tank (BGT 1-NE):** Subsection I of 19.15.17.11 NMAC
Volume: 95 bbl Type of fluid: Produced Water
Tank Construction material: Steel
☒ 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.



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6.

**Fencing:** Subsection D of 19.15.17.11 NMAC *(Applies to permanent pits, 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 or the Santa Fe Environmental Bureau office for consideration of approval.

☐ 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.<br>- 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 significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ 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)*<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No<br>☐ NA |
| Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. *(Applies to permanent pits)*<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ No<br>☐ 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.<br>- 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.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☐ No |
| Within 500 feet of a wetland.<br>- 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.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☐ No |
| Within an unstable area.<br>- 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.<br>- 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 NMAC
- ☐ 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 Number: _____ or Permit Number: _____

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 Number: _____

☐ Previously Approved Operating and Maintenance Plan API Number: _____ *(Applies only to closed-loop system that use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)*

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 (1) 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 $H_2S$, 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 Burial
- ☐ 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

16.
**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 indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.***

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

Disposal Facility Name: _____ Disposal Facility Permit Number: _____

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 operations?
☐ Yes (If yes, please provide the information below) ☐ No

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

17.
**Siting Criteria (regarding on-site closure methods only):** 19.15.17.10 NMAC
***Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC for guidance.***

| | |
|---|---|
| Ground water is less than 50 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ NA |
| Ground water is between 50 and 100 feet below the bottom of the buried waste<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ NA |
| Ground water is more than 100 feet below the bottom of the buried waste.<br>- NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells | ☐ Yes ☐ No<br>☐ NA |
| Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).<br>- Topographic map; Visual inspection (certification) of the proposed site | ☐ Yes ☐ No |
| Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.<br>- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image | ☐ Yes ☐ 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 initial application.<br>- NM Office of the State Engineer - iWATERS database; 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.<br>- Written confirmation or verification from the municipality; Written approval obtained from the municipality | ☐ Yes ☐ No |
| Within 500 feet of a wetland.<br>- 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.<br>- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division | ☐ Yes ☐ No |
| Within an unstable area.<br>- 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.<br>- FEMA map | ☐ Yes ☐ No |

18.
**On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) ***Instructions: Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.***
☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC
☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC
☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC
☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC
☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)
☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC
☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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

Name (Print): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

20.
**OCD Approval:** ☐ Permit Application (including closure plan) ☒ Closure Plan (only) ☐ OCD Conditions (see attachment)

OCD Representative Signature: Jonathan D. Kelly Approval Date: 9/1/2013

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: June 12, 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.

23.
**Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**
***Instructions:*** ***Please indentify 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) **See Attached Closure Notices**
☐ Proof of Deed Notice (required for on-site closure) **Not Required**
☐ Plot Plan (for on-site closures and temporary pits) **Not Required**
☒ Confirmation Sampling Analytical Results (if applicable) **See Attached Analytical Results**
☐ Waste Material Sampling Analytical Results (required for on-site closure) **Not Required**
☒ Disposal Facility Name and Permit Number **Envirotech, Inc. Soil Remediation Facility, Permit #: NM-01-0011**
☒ Soil Backfilling and Cover Installation **See Attached Site Photography**
☒ Re-vegetation Application Rates and Seeding Technique **Former Below Grade area still in use (active well site)**
☒ Site Reclamation (Photo Documentation) **See Attached Site Photography**
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): Mr. Adam Oliver Title: Lead Facilities Engineer

Signature: Adam Oliver Date: 8/22/2013

e-mail address: AdamOliver@chevron.com Telephone: (505) 333-1942

# BELOW GRADE TANK (BGT) CLOSURE PLAN

**SITE NAME:**

**REDFERN #1 WELL SITE**
**UNIT LETTER K, SECTION 14, TOWNSHIP 29N, RANGE 13W**
**SAN JUAN COUNTY, NEW MEXICO**
**LATITUDE: N36.723047° LONGITUDE: W108.179558°**

**SUBMITTED TO:**

**MR. BRANDON POWELL**
**NEW MEXICO OIL CONSERVATION DIVISION**
**1000 RIO BRAZOS ROAD**
**AZTEC, NEW MEXICO 87410**
**(505) 334-6178 EXT 15**

**SUBMITTED BY:**

**MR. RICHARD CARROLL**
**CHEVRON NORTH AMERICA**
**760 HORIZON DRIVE**
**GRAND JUNCTION, COLORADO 81506**
**(970) 257-6026**

**JULY 2013**

**BELOW GRADE TANK (BGT) CLOSURE PLAN**
**CHEVRON NORTH AMERICA**
**REDFERN #1 WELL SITE**
**SAN JUAN COUNTY, NEW MEXICO**

## TABLE OF CONTENTS

## INTRODUCTION

Chevron North America would like to submit a closure plan for the below grade tank (BGT) at the Redfern #1 Well Site located in the NE ¼ SW ¼ of Section 14, Township 29N, Range 13W, San Juan County, New Mexico. This closure plan has been prepared in conformance with New Mexico Oil Conservation Division (NMOCD) procedures.

## SCOPE OF CLOSURE ACTIVITIES

The purpose of this closure plan is to provide the details of activities involved in the closure of the BGT at the Redfern #1 Well Site. The following scope of closure activities has been designed to meet this objective:

1) Chevron North America shall submit a closure plan to the division's environmental bureau. Upon receipt of this plan the division shall review the current closure plan for adequacy and accordance with 19.15.17.9 Subsection C NMAC and 19.15.17.13 NMAC.
   a. **Closure Plan was submitted on March 1, 2010, to the division's environmental bureau, in accordance with 19.15.17.9 Subsection C NMAC and 19.15.17.13 NMAC. The Closure Plan was approved by the NMOCD on June 5, 2013.**

2) No less than 72 hours and no greater than one (1) week prior to BGT removal Chevron North America will provide written notification to the appropriate division district office, as in accordance with 19.15.17.13 Subsection J Paragraph (2) NMAC.
   a. **Please find attached the written notification to the district office sent on June 5, 2013.**

3) Chevron North America shall provide written notification to the surface owner no later than 24 hours prior to BGT removal. BLM will receive notification per a Sundry Notice, as in accordance with 19.15.17.13 Subsection J Paragraph (1) NMAC.
   a. **Chevron North America is the landowner for this well site; therefore, no notification was required.**

4) Chevron North America or a contractor acting on behalf of Chevron will remove all liquids, and/or sludge, if applicable, prior to closure. Material will be disposed of at Envirotech's Landfarm, Permit # NM-01-0011, as in accordance with 19.15.17.13 Subsection E Paragraph (1) NMAC.
   a. **All waste material was removed from the BGT by Riley Services and transported to Envirotech's NMOCD approved Landfarm #2 as listed above; see attached Bill of Lading.**

5) Chevron North America or a contractor acting on behalf of Chevron will remove the BGT and all on-site equipment associated with this BGT that cannot or will not be reused on-site, as in accordance with 19.15.17.13 Subsection E Paragraphs (2) and (3) NMAC.
   a. **Chevron has removed the BGT and associated equipment that will not be reused on-site; see attached Site Photography.**

6) Once the BGT is removed a five (5) – point composite sample will be collected from directly below the tank or below the leak detection system if present. An additional discrete sample will be collected from any area that is wet, discolored, or showing other evidence of a release. All samples being collected will be analyzed for benzene and total BTEX via USEPA Method 8021, TPH via USEPA Method 418.1, and chlorides via USEPA 300.1, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
7)

| Sample ID | TPH (418.1) | Benzene | BTEX | Total Chlorides |
|---|---|---|---|---|
| BGT NE | 92 | <0.05 | <0.05 | 57.3 |
| BGT SW | 76 | <0.05 | <0.05 | 189 |

8) Depending on soil sample results the area will be either backfilled or the area will be excavated.
   a. If soil samples pass the regulatory standards of 0.2 ppm benzene, 50 ppm BTEX, 100 ppm TPH, and 250 ppm or background concentration of chlorides, as in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
      i. Chevron North America or a contractor acting on behalf of Chevron will backfill the excavation or impacted area with non-waste containing, earthen material, in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC.
         1. **BGT pit was backfilled with clean earthen material in accordance with 19.15.17.13 Subsection E Paragraph (6) NMAC.**

      ii. Upon decommissioning of the well site Chevron North America or a contractor acting on behalf of Chevron will construct a divison-prescribed soil cover, substantially restore, recontour and re-vegetate the site, in accordance with 19.15.17.13 Subsections G, H, and I NMAC.
         1. **Well site is still in use – re-vegetation will occur upon the decommissioning of the well site.**

   b. If soil samples exceed the regulatory standards stated above.
      i. Chevron North America will submit a Release Notification by Form C-141 to the appropriate division district office, in accordance with 19.15.17.13 Subsection E Paragraph (4) NMAC.
      ii. Activities beyond this point will be in accordance with 19.15.3.116 NMAC and 19.15.11.19 NMAC.
         1. **Samples collected returned results at or below the regulatory standards stated above, indicating that a release has not occurred at this site.**

## REPORTING

Reporting will occur within 60 days following the BGT closure and will consist of a form C-144 with all supporting data, and a form C-141 with all supporting data, if necessary. The supporting

data will include analytical results, a site diagram, and other information related to the onsite activities.

We appreciate the opportunity to be of service. If you have any questions or require further information, please do not hesitate to contact our office at (505) 632-0615.

Respectfully Submitted:
**Chevron North America**

Richard Carroll
Waste & Water Specialist
Chevron North America
Mid-Continent Business Unit

**Toni McKnight**

**From:** Bailey, Rodney G [bailerg@chevron.com]
**Sent:** Thursday, June 06, 2013 2:21 PM
**To:** Oliver, Adam W.
**Subject:** Redfern #1

I talked to Jonathan Kelly with local NMOCD office and you are good to complete the work on Redfern #1. Removal of the two BGT's.

Question when you sample will you send the results to me or do you talk to the state?

Rodney Bailey
Waste & Water Team Lead
Midland Texas
Chevron USA
Office - 432-687-7123
Cell - 432-894-3519
Fax - 866-569-5650
bailerg@chevron.com

**Toni McKnight**

**From:** Bailey, Rodney G [bailerg@chevron.com]
**Sent:** Thursday, June 06, 2013 9:08 AM
**To:** Oliver, Adam W.
**Subject:** FW: Redfern 1 BGT closure
**Attachments:** 2013 6-5 Redfern 1 95 bbl BGT closure.pdf

Rodney Bailey
Waste & Water Team Lead
Midland Texas
Chevron USA
Office - 432-687-7123
Cell - 432-894-3519
Fax - 866-569-5650
bailerg@chevron.com



---

**From:** Griswold, Jim, EMNRD [mailto:Jim.Griswold@state.nm.us]
**Sent:** Wednesday, June 05, 2013 4:02 PM
**To:** Bailey, Rodney G
**Subject:** Redfern 1 BGT closure

See attached. Thanks for coming by today.

**Jim Griswold**
*Senior Hydrologist*
EMNRD/Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505.476.3465
email: jim.griswold@state.nm.us

envirotech

# EPA METHOD 418.1
# TOTAL PETROLEUM HYDROCARBONS

| | | | |
|---|---|---|---|
| Client: | Chevron North America | Project #: | 92270-1119 |
| Sample No.: | 1 | Date Reported: | 7/24/2013 |
| Sample ID: | BGT NE | Date Sampled: | 6/12/2013 |
| Sample Matrix: | Soil | Date Analyzed: | 6/12/2013 |
| Preservative: | Cool | Analysis Needed: | TPH-418.1 |
| Condition: | Cool and Intact | | |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Total Petroleum Hydrocarbons** | **92** | **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: **Redfern #1**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

Toni McKnight, EIT
Printed

Review

Felipe Aragon, CES
Printed

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**CONTINUOUS CALIBRATION**
**EPA METHOD 418.1**
**TOTAL PETROLEUM**
**HYDROCARBONS**

Cal. Date: 12-Jun-13

| Parameter | Standard Concentration mg/L | Concentration Reading mg/L |
|---|---|---|
| **TPH** | 100 | |
| | 200 | 207 |
| | 500 | |
| | 1000 | |

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Toni McKnight
Analyst

7/24/2013
Date

Toni McKnight, EIT
Print Name

Felipe Aragon
Review

7/24/2013
Date

Felipe Aragon, CES
Print Name

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info@envirotech-inc.com

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## Field Chloride

| | | | |
|---|---|---|---|
| Client: | Chevron North America | Project #: | 92270-1119 |
| Sample No.: | BGT NE | Date Reported: | 7/24/2013 |
| Sample ID: | Five-point Composite | Date Sampled: | 6/12/2013 |
| Sample Matrix: | Soil | Date Analyzed: | 6/12/2013 |
| Preservative: | Cool | Analysis Needed: | Chloride |
| Condition: | Cool and Intact | | |

| Parameter | Concentration (mg/kg) | Det. Limit (mg/kg) |
|---|---|---|
| **Field Chloride** | **39** | **32.0** |

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: **Redfern #1**

Analyst

Toni McKnight, EIT
Printed

Review

Felipe Aragon, CES
Printed

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# Analytical Report

## Report Summary

Client: Chevron

Chain Of Custody Number: 15696

Samples Received: 6/12/2013 3:40:00PM

Job Number: 92270-1119

Work Order: P306057

Project Name/Location: Red Fern #1

Entire Report Reviewed By: _____ Date: 6/23/13

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.

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| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## Analyical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|---|---|---|---|---|---|
| BGT NE | P306057-01A | Soil | 06/12/13 | 06/12/13 | Glass Jar, 4 oz. |
| BGT SW | P306057-02A | Soil | 06/12/13 | 06/12/13 | Glass Jar, 4 oz. |

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| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## BGT NE

### P306057-01 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Benzene | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Toluene | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Ethylbenzene | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| p,m-Xylene | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| o-Xylene | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Total Xylenes | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Total BTEX | ND | 0.05 | mg/kg | 1 | 1325001 | 17-Jun-13 | 19-Jun-13 | EPA 8021B | |
| *Surrogate: Bromochlorobenzene* | | *82.5 %* | *80-120* | | *1325001* | *17-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| *Surrogate: 1,4-Difluorobenzene* | | *96.0 %* | *80-120* | | *1325001* | *17-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| *Surrogate: Fluorobenzene* | | *91.6 %* | *80-120* | | *1325001* | *17-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| **Cation/Anion Analysis** | | | | | | | | | |
| **Chloride** | **57.3** | 9.99 | mg/kg | 1 | 1325006 | 17-Jun-13 | 17-Jun-13 | EPA 300.0 | |



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envirotech-inc.com
laboratory@envirotech-inc.com

| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## BGT SW

### P306057-02 (Solid)

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---|---|---|---|---|---|---|---|---|
| **Volatile Organics by EPA 8021** | | | | | | | | | |
| Benzene | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Toluene | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Ethylbenzene | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| p,m-Xylene | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| o-Xylene | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Total Xylenes | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| Total BTEX | ND | 0.05 | mg/kg | 1 | 1324037 | 14-Jun-13 | 19-Jun-13 | EPA 8021B | |
| *Surrogate: Bromochlorobenzene* | | *81.6 %* | *80-120* | | *1324037* | *14-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| *Surrogate: 1,4-Difluorobenzene* | | *88.4 %* | *80-120* | | *1324037* | *14-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| *Surrogate: Fluorobenzene* | | *84.9 %* | *80-120* | | *1324037* | *14-Jun-13* | *19-Jun-13* | *EPA 8021B* | |
| **Cation/Anion Analysis** | | | | | | | | | |
| **Chloride** | **189** | 10.0 | mg/kg | 1 | 1325006 | 17-Jun-13 | 17-Jun-13 | EPA 300.0 | |

| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## 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 1324037 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1324037-BLK1)** | | | | Prepared: 14-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| 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: Bromochlorobenzene* | *47.1* | | *ug/L* | *50.0* | | *94.2* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *50.2* | | " | *50.0* | | *100* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *49.3* | | " | *50.0* | | *98.5* | *80-120* | | | |
| **Duplicate (1324037-DUP1)** | **Source: P306042-01** | | | Prepared: 14-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| 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: Bromochlorobenzene* | *48.6* | | *ug/L* | *50.0* | | *97.3* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *49.7* | | " | *50.0* | | *99.4* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *49.2* | | " | *50.0* | | *98.4* | *80-120* | | | |
| **Matrix Spike (1324037-MS1)** | **Source: P306042-01** | | | Prepared: 14-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| Benzene | 50.2 | | ug/L | 50.0 | 0.32 | 99.7 | 39-150 | | | |
| Toluene | 50.1 | | " | 50.0 | 0.68 | 98.9 | 46-148 | | | |
| Ethylbenzene | 49.7 | | " | 50.0 | 0.31 | 98.8 | 32-160 | | | |
| p,m-Xylene | 99.2 | | " | 100 | 0.57 | 98.7 | 46-148 | | | |
| o-Xylene | 49.6 | | " | 50.0 | 0.55 | 98.1 | 46-148 | | | |
| *Surrogate: Bromochlorobenzene* | *48.3* | | " | *50.0* | | *96.5* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *49.5* | | " | *50.0* | | *98.9* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *49.3* | | " | *50.0* | | *98.6* | *80-120* | | | |

| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## 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 1325001 - Purge and Trap EPA 5030A** | | | | | | | | | | |
| **Blank (1325001-BLK1)** | | | | Prepared: 17-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| 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: Bromochlorobenzene* | *49.5* | | *ug/L* | *50.0* | | *99.0* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *51.1* | | " | *50.0* | | *102* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *50.6* | | " | *50.0* | | *101* | *80-120* | | | |
| **Duplicate (1325001-DUP1)** | **Source: P306075-01** | | | Prepared: 17-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| 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: Bromochlorobenzene* | *96.9* | | *ug/L* | *100* | | *96.9* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *100* | | " | *100* | | *100* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *99.4* | | " | *100* | | *99.4* | *80-120* | | | |
| **Matrix Spike (1325001-MS1)** | **Source: P306075-01** | | | Prepared: 17-Jun-13 Analyzed: 18-Jun-13 | | | | | | |
| Benzene | 52.2 | | ug/L | 50.0 | 0.28 | 104 | 39-150 | | | |
| Toluene | 52.5 | | " | 50.0 | 0.57 | 104 | 46-148 | | | |
| Ethylbenzene | 52.1 | | " | 50.0 | 0.29 | 104 | 32-160 | | | |
| p,m-Xylene | 104 | | " | 100 | 0.35 | 104 | 46-148 | | | |
| o-Xylene | 51.8 | | " | 50.0 | 0.45 | 103 | 46-148 | | | |
| *Surrogate: Bromochlorobenzene* | *51.7* | | " | *50.0* | | *103* | *80-120* | | | |
| *Surrogate: 1,4-Difluorobenzene* | *51.8* | | " | *50.0* | | *104* | *80-120* | | | |
| *Surrogate: Fluorobenzene* | *51.4* | | " | *50.0* | | *103* | *80-120* | | | |

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| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## Cation/Anion Analysis - Quality Control

## Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch 1325006 - Anion Extraction EPA 300.0** | | | | | | | | | | |
| **Blank (1325006-BLK1)** | | | | Prepared & Analyzed: 17-Jun-13 | | | | | | |
| Chloride | ND | 10.0 | mg/kg | | | | | | | |
| **Duplicate (1325006-DUP1)** | | **Source: P306075-01** | | Prepared & Analyzed: 17-Jun-13 | | | | | | |
| Chloride | 14000 | 99.9 | mg/kg | | 14000 | | | 0.272 | 30 | |

| | | | |
|---|---|---|---|
| Chevron | Project Name: | Red Fern #1 | |
| 322 Road 3100 | Project Number: | 92270-1119 | **Reported:** |
| Aztec NM, 87410 | Project Manager: | Toni Mckinght | 23-Jun-13 12:55 |

## 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 |

# CHAIN OF CUSTODY RECORD

15696



| Client: | Project Name / Location: |
|---|---|
| CHEVRON N. A. | Red Fern #1 |
| Email results to: tmcknight@envirotech-inc.com | Sampler Name: Toni McKnight |
| Client Phone No.: | Client No.: 92270-1119 |

| Sample No./ Identification | Sample Date | Sample Time | Lab No. | No./Volume of Containers | Preservative | | | TPH (Method 8015) | BTEX (Method 8021) | VOC (Method 8260) | RCRA 8 Metals | Cation / Anion | RCI | TCLP with H/P | CO Table 910-1 | TPH (418.1) | CHLORIDE | | | | Sample Cool | Sample Intact |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | $HNO_3$ | HCl | Cool | | | | | | | | | | | | | | | |
| BGT NE | 6/12/13 | 8:55 | P306057-01 | 4-oz | | | ✓ | | ✓ | | | | | | | | ✓ | | | | Y | Y |
| BGT SW | 6/12/13 | 13:45 | P306057-02 | 4oz | | | ✓ | | ✓ | | | | | | | | ✓ | | | | ⊥ | ⊥ |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| Toni McKnight | 6/12/13 | 15:40 | Diane G Zazzi | 6/12/13 | 15:40 |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |

Sample Matrix

Soil ☒ Solid ☐ Sludge ☐ Aqueous ☐ Other ☐ _____

☐ Sample(s) dropped off after hours to secure drop off area.

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# Bill of Lading

MANIFEST # 43925

DATE 6-12-13 JOB # 92270-1121

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | POINT OF ORIGIN | DESTINATION | MATERIAL | GRID | YDS | BBLS | COMPANY | TRK# | TIME | DRIVER SIGNATURE |
| 1 | Chevron Red Feed II 1 | BF | tank Bottoms | | — | 5 | Rockies | 218 | 16:05 | Brett Williams |
| 2 | " " | " | wash out | | — | 5 | " | 218 | 16:05 | Brett Williams |
| | | | | | | | | | | |
| | | | | | | 10 | | | | |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |

| RESULTS: | | | LANDFARM EMPLOYEE: | NOTES: |
|---|---|---|---|---|
| 612 | CHLORIDE TEST | 1 | | |
| | PAINT FILTER TEST | 1 | Certification of above receival & placement | |

By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load.

TRANSPORTER CO. Rockies Const NAME Brett Williams SIGNATURE Brett Williams

COMPANY CONTACT CLAYTON SPURGEON PHONE 505 334 1977 DATE 6-12-13

*Signatures required prior to distribution of the legal document.*

White - Company Records, Yellow - Billing, Pink - Customer

Site Photography
Chevron North America
Redfern #1 Well Site
Below Grade Tank Closure
Project No. 92270-1119
June 12, 2013

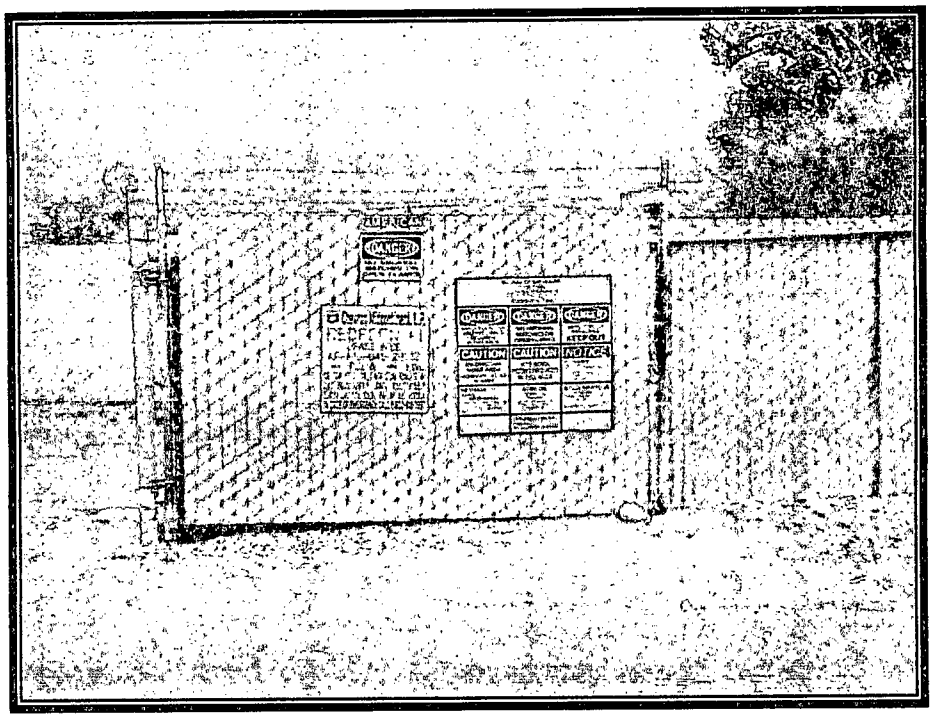

**Photo 1: Redfern #1 Well Site**

**Photo 2: BGT NE Location**

Site Photography
Chevron North America
Redfern #1 Well Site
Below Grade Tank Closure
Project No. 92270-1119
June 12, 2013

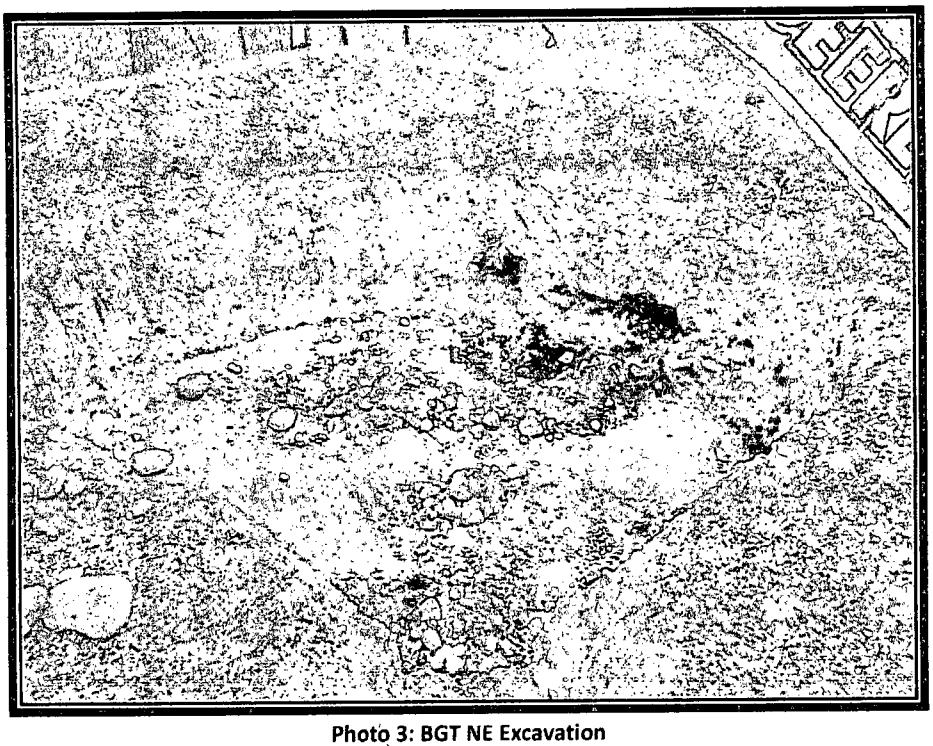

**Photo 3: BGT NE Excavation**

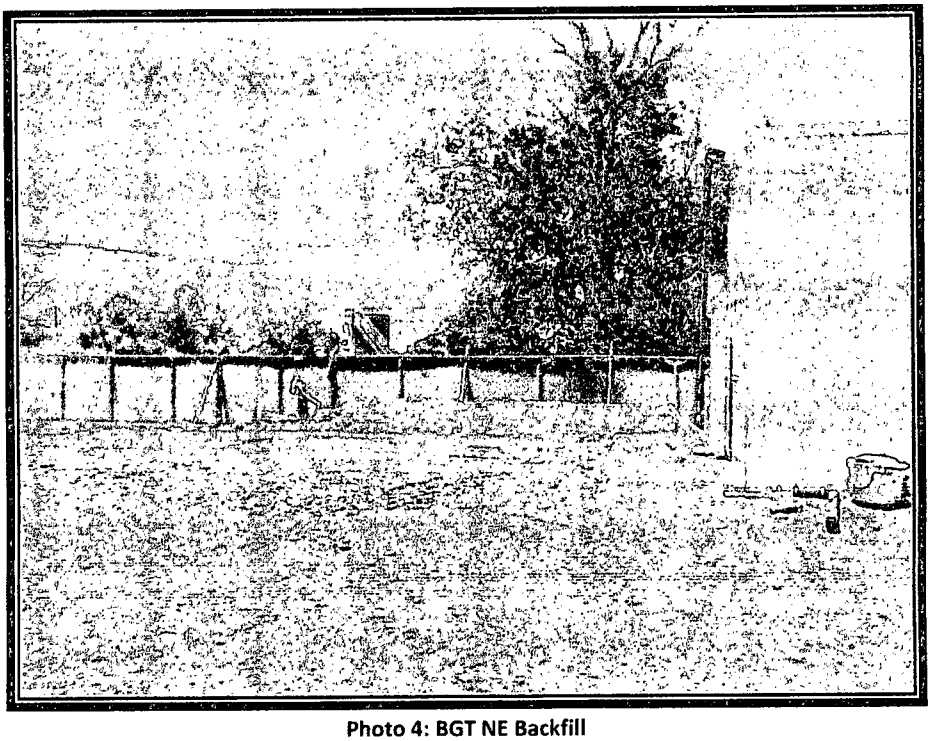

**Photo 4: BGT NE Backfill**

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: Chevron Midcontinent, L.P. | Contact: Mr. Adam Oliver |
| Address: Post Office Box 36366, Houston, TX 77236 | Telephone No. (505) 333-19422 |
| Facility Name: Redfern #1 | Facility Type: Gas Well |

| | | |
|---|---|---|
| Surface Owner: Private | Mineral Owner: | Lease No.: N/A |

## LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|---|---|---|---|---|---|---|---|---|
| K | 14 | 29N | 13W | 1688 | South | 1848 | West | San Juan |

Latitude 36.723047° Longitude -108.179558°

## NATURE OF RELEASE

| | | |
|---|---|---|
| Type of Release: Produced Water | Volume of Release: No Release | Volume Recovered: Not Applicable |
| Source of Release: Below Grade Tank | Date and Hour of Occurrence: Not Applicable | Date and Hour of Discovery: Not Applicable |
| Was Immediate Notice Given? ☐ Yes ☐ No ☒ Not Required | If YES, To Whom? | |
| By Whom? | Date and Hour | RCVD AUG 27 '13 |
| Was a Watercourse Reached? ☐ Yes ☒ No | If YES, Volume Impacting the Watercourse. | OIL CONS. DIV. DIST. 3 |

If a Watercourse was Impacted, Describe Fully.*
No Release

Describe Cause of Problem and Remedial Action Taken.*
Produced water from gas well at the above mentioned location formerly discharged into a Below Grade Tank (BGT 1 NE) on location. The Below Grade Tank was removed on June 12, 2013. Soil sampling from directly beneath the tank in accordance with Subsection E of 19.15.17.13 NMAC performed on June 12, 2013, indicated that a release has not occurred.

Describe Area Affected and Cleanup Action Taken.*
A five (5) point composite sample was collected from directly beneath the former BGT immediately once it was removed. The sample was analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1, and in Envirotech's Analytical Laboratory for benzene and total BTEX using USEPA Method 8021 and for total chlorides using USEPA Method 4500B. The sample returned results at or below the "Pit Rule" standards of 100 mg/kg TPH, 0.2 mg/kg benzene, 50 mg/kg total BTEX and 250 mg/kg total chlorides, confirming that a release had not occurred. Analytical results are attached for your reference.

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: Adam Oliver | OIL CONSERVATION DIVISION | |
| Printed Name: Adam Oliver | Approved by District Supervisor: | |
| Title: Lead Facilities Engineer | Approval Date: | Expiration Date: |
| E-mail Address: AdamOliver@chevron.com | Conditions of Approval: | Attached ☐ |
| Date: 8/26/2013 Phone: 505-333-1942 | | |

* Attach Additional Sheets If Necessary