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

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.

8921

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

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.
I. 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:
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
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 Dimension X W
Selow-grade tank: Subsection I of 19.15.17.11 NMAC Volume: 95
s. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

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, institution or church) Four foot height, four strands of barbed wire evenly spaced between one and four feet Alternate. Please specify	hospital,
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)	
s. 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	
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 consideration of approval. Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	office for
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 acce, material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the approach office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of a Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to dry above-grade tanks associated with a closed-loop system.	ppriate district approval.
Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No ☐ NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. (Applies to permanent pits) - 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. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map: Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain.	Ycs No

Form C-144 Oil Conservation Division Page 2 of 5

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 NMÁC 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)
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 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 ₂ S, 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
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)
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 II of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

Waste Removal Closure For Closed-loop Systems That Utilize Above Ground State Instructions: Please indentify the facility or facilities for the disposal of liquids, a facilities are required.			
sposal Facility Name: Disposal Facility Permit Number:			
Will any of the proposed closed-loop system operations and associated activities of Yes (If yes, please provide the information below) \(\bigcap \) No		rice and operations?	
Required for impacted areas which will not be used for future service and operation Soil Backfill and Cover Design Specifications based upon the appropriate Re-vegetation Plan - based upon the appropriate requirements of Subsection Site Reclamation Plan - based upon the appropriate requirements of Subsection	requirements of Subsection H of 19.15.17.13 NMAC I 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 provided below. Requests regarding changes to certain siting criteria may requir considered an exception which must be submitted to the Santa Fe Environmental demonstrations of equivalency are required. Please refer to 19.15.17.10 NMAC f	e administrative approval from the appropriate disti Bureau office for consideration of approval. Justi,	rict office or may be	
Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data	a obtained from nearby wells	☐ Yes ☐ No ☐ NA	
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other sig lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	nificant watercourse or lakebed, sinkhole, or playa	☐ Yes ☐ No	
Within 300 feet from a permanent residence, school, hospital, institution, or church Visual inspection (certification) of the proposed site; Aerial photo; Satellite		☐ Yes ☐ No	
Within 500 horizontal feet of a private, domestic fresh water well or spring that less watering purposes, or within 1000 horizontal feet of any other fresh water well or s - NM Office of the State Engineer - iWATERS database; Visual inspection (pring, in existence at the time of initial application.	☐ Yes ☐ No	
Within incorporated municipal boundaries or within a defined municipal fresh water adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; Written approv	·	☐ Yes ☐ No	
Within 500 feet of a wetland US Fish and Wildlife Wetland Identification map; Topographic map; Visua	al inspection (certification) of the proposed site	☐ Yes ☐ No	
Within the area overlying a subsurface mine Written confirmation or verification or map from the NM EMNRD-Mining	and Mineral Division	☐ Yes ☐ No	
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geolog Society; Topographic map	y & Mineral Resources; USGS; NM Geological	☐ Yes ☐ No	
Within a 100-year floodplain FEMA map		☐ Yes ☐ No	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of Proof of Surface Owner Notice - based upon the appropriate requirements of Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate of a drying protocols and Procedures - based upon the appropriate requirements of 19.12 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Disposal Facility Name and Permit Number (for liquids, drilling fluids and of Soil Cover Design - based upon the appropriate requirements of Subsection Re-vegetation Plan - based upon the appropriate requirements of Subsection	uirements of 19.15.17.10 NMAC Subsection F of 19.15.17.13 NMAC oppropriate requirements of 19.15.17.11 NMAC oad) - based upon the appropriate requirements of 19. 5.17.13 NMAC uirements of Subsection F of 19.15.17.13 NMAC Subsection F of 19.15.17.13 NMAC frill cuttings or in case on-site closure standards cann H of 19.15.17.13 NMAC	15.17.11 NMAC	

Form C-144 Off Conservation Division Page 4 of 5

0. 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): \(\frac{12\2011}{2011}
Signature: Date:
e-mail address:Telephone:
20. OCD Approval: Permit Application (including closure plan) Closure Plan-(only)- OCD Conditions (see attachment)
OCD Representative Signature:
Title: Compliance Officer OCD Permit Number:
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: July 12, 2011
22. Closure Method: Solution Closure Method 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
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 ☐ Waste Material Sampling Analytical Results (required for on-site closure) Not Required
☐ Disposal Facility Name and Permit Number No disposal of material/not a closed loop system
Soil Backfilling and Cover Installation See Attached
 ⊠ Re-vegetation Application Rates and Seeding Technique Pursuant to the BLM MOU and Approved Closure Plan ⊠ Site Reclamation (Photo Documentation) See Attached
On-site Closure Location: Latitude _36 ⁶ 44.34082' Longitude107 ⁰ 10.77348' 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): Msi Laura Clenney Title: Facilities Engineer
Signature: Date: 82411
e-mail address: laura.clenney@chevron.com Telephone: (281) 881-0322



September 9, 2011

Project Number 92270-0771

Mr. Brandon Powell New Mexico Oil Conservation Division 1000 Rio Brazos Rd. Aztec, NM 87410

Phone (505) 334-6178

RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE REDFERN #1 WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Mr. Powell:

On behalf of Chevron, North America, please find enclosed the Below Grade Tank (BGT) Closure Plant, Form C-141, Form C-144 and required documents BGT closure activities conducted at the Redfern #1 well site located in Section 14, Township 29 North, Range 13 West, San Juan County, New Mexico.

This report details results at or below the regulatory limits for all constituents analyzed, confirming a release had not occurred; see attached *Analytical Results*. Envirotech, Inc. recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have any questions, or require any additional information, please contact our office at (505) 632-0615.

Respectfully Submitted,

ENVIROTECH, INC.

Toni McKnight, EIT,

Environmental Project Manager tmcknight@envirotech-inc.com

Enclosures:

Below Grade Tank Closure Plan

Form C-141

Form C-144 and required documents

Email Cc:

Laura Clenney – Chevron NA

Don Lindsey – Chevron NA



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. RODNEY BAILEY CHEVRON NORTH AMERICA P.O. BOX 370 AZTEC, NEW MEXICO 87410 (432) 687-7123

MARCH 2010

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

TABLE OF CONTENTS

INTRODUCTION	1
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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.
- 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 28, 2011.
- 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.

 Sample ID
 TPH (418.1)
 Benzene
 BTEX (418.1)
 Total Chlorides

 5pt Composite
 16 ppm ppm
 <0.0009 ppm</td>
 0.0144 ppm
 250 ppm

- 7) 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.

Below Grade Tank (BGT) Closure Plan Chevron North America Redfern #1 Well Site Page 3

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

Rodney Bailey Chevron North America Exploration & Production Company 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

.

Date:

* Attach Additional Sheets If Necessary

State of New Mexico Energy Minerals and Natural Resources

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

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

Revised October 10, 2003

Form C-141

side of form

Release Notification and Corrective Action **OPERATOR** ☐ Initial Report Final Report Name of Company: Chevron Midcontinent, L.P. Contact: Ms. Laura Clenney Address: Post Office Box 36366, Houston, TX 77236 Telephone No. (281) 881-0322 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 29N 1688 South K 14 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 Date and Hour of Occurrence: Source of Release: Below Grade Tank Date and Hour of Discovery: Not Applicable Not Applicable Was Immediate Notice Given? If YES, To Whom? ☐ Yes ☐ No ☒ Not Required By Whom? Date and Hour If YES, Volume Impacting the Watercourse. Was a Watercourse Reached? ☐ Yes ☒ No 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) on location. The Below Grade Tank was removed on July 12, 2011. Soil sampling from directly beneath the tank in accordance with Subsection E of 19.15.17.13 NMAC performed on July 12, 2011, 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. OIL CONSERVATION DIVISION Signature: Approved by District Supervisor: Printed Name: Laura Clenney Title: Facilities Engineer Approval Date: **Expiration Date:** E-mail Address: laura.clenney@chevron.com Conditions of Approval: Attached [

Phone: 281-881-0322

Toni McKnight

From:

Clenney, Laura E [Laura.Clenney@chevron.com]

Sent:

Tuesday, June 28, 2011 1:47 PM

To:

Powell, Brandon, EMNRD

Cc:

Lindsey, Don (LLIN); Toni McKnight; Reneau, Mark [Cenergy]

Subject:

OCD Notification: Chevron Redfern #1, Below Ground Tank Removal Planned Starting 7/5

Brandon,

I am sending this note to satisfy our OCD notification requirement, regarding our planned removal beginning 7/5, of a Below Ground Pit Tank at this location. The pit tank will be removed and replaced with a buried double wall tank. The tank is being replaced in order to meet NMOCD regulations, because it was identified as a single wall below grade tank.

We will have Envirotech on site next week during the removal for sampling & remediation identification (if needed), and data gathering for the Final Report.

Location specifics: Redfern #1 API 30-045-29035 Section 14, T29N, R13W San Juan County, NM

Please let me know if you have any questions.

Thanks,

Laura Clenney

Facilities Engineer Chevron North America Exploration and Production MidContinent/Alaska Business Unit 332 ROAD 3100 Aztec, NM 87410

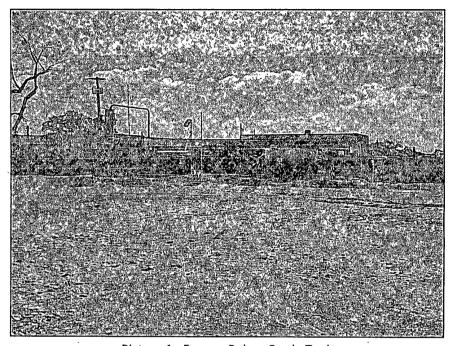
Cell: 281.881.0322



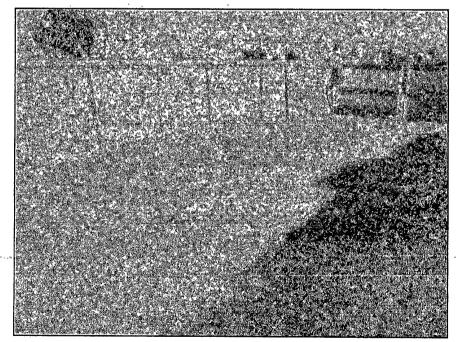
Bill of Lading

PHON	E: (505) 632-061	5 • 579	96 U.S. HIGHWAY	64 • FARMINGT	ON, NEW M	EXICO 87	401	DATE 7-11-	11_	JOB# <u>-</u>	2270-086
LOAD			IPLETE DESCR					TRANSPORTING COMPANY			
NO.	POINT OF ORIG	ilN	DESTINATION	MATERIAL	GRID	YDS	BBLS	COMPANY	TRK#	TIME	DRIVER SIGNATURE
1	Cherron		BFLFIL	Jank, Ballon	G-22		5	Riley	1703/	144	Sprain Tolort
	RedFerna	£1		Ballon		-	5				
			,						•		
				_							
				A		7 .					
RESUL ニュスタ			LANDFARM EMPLOYEE:	(2)	u la	//		NOTES:			
<u>~~~</u> 0	PAINT FILTER TEST			tion of above re	eceival & p	<i>MI</i> placemen					
hat no a	the material hauled additional materials h	ave bee	n added."								nentioned Generator, and
TRANS	PORTER CO. 21	ey 1.	nd.	NAME	GUNCO	TOCED	O	sign	NATURE	p/s	groces Iclade
COMPA	NY CONTACT LAG	IRA	CLENNY	PHONE _				DATI	E 6	7	7-11-11
Sianat	ures required pric	r to dis	stribution of this	legal documer	nt.						

Site Photography Chevron North America Redfern #1 Well Site Below Grade Tank Closure Project No. 92270-0771 July 12,2011



Picture 1: Former Below Grade Tank



Picture 2: Backfilled Below Grade Tank Pit



EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:

Chevron North America

92270-0771

Sample No.:

Date Reported:

Project #:

Date Sampled:

Sample ID:

Five-point Composite

7/26/2011

Sample Matrix:

Soil

7/12/2011

Preservative:

Cool

Date Analyzed: 7/12/2011 Analysis Needed:

TPH-418.1

Condition:

Cool and Intact

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

Total Petroleum Hydrocarbons

16

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

Robyn Heidbrier, EIT

Printed



CONTINUOUS CALIBRATION EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Cal		_	_		_	
1 2	1	1	а	Ŧ	Δ	•
Va		_	\mathbf{a}	L	c	

12-Jul-11

Parameter	Standard Concentration mg/L	Concentration Reading mg/L	
TPH	100 200 500 1000	198	

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

Ini Manual	7/25/2011
Analyst	Date
Toni McKnight, EIT	
Print Name And	7/25/2011
Review	Date

Robyn Heidbrier, EIT

Print Name



Field Chloride

Client:

Chevron North America

_

Project #:

92270-0771

Sample No.: Sample ID:

Five-point Composite

Date Reported:

7/26/2011

Sample Matrix:

Soil

Date Sampled:

7/12/2011

-

2011

Date Analyzed:

7/12/2011

Preservative:

Cool and Intact

Analysis Needed:

Chloride

Condition:

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

Field Chloride

303

33.0

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

Anaiyst

Toni McKnight, EIT

Printed

Robyn Heidbrier, EIT

Printed



Field Chloride

Client:

Chevron North America

Project #:

92270-0771

Sample No.:

2

Date Reported:

Analysis Needed:

7/25/2011

Sample ID:

Background

Date Sampled: 7/12/2011

Sample Matrix: Preservative:

Soil Cool Date Analyzed: 7/

7/12/2011 Chloride

Condition:

Cool and Intact

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

Field Chloride

176

33.0

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

Robyn Heidbrier, EIT

Printed



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	Chevron North America	Project #:	92270-0771
Sample ID:	5 Pt Composite	Date Reported:	07-13-11
Laboratory Number:	58904	Date Sampled:	07-12-11
Chain of Custody:	12167	Date Received:	07-12-11
Sample Matrix:	Soil	Date Analyzed:	07-13-11
Preservative:	Cool	Date Extracted:	07-12-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Diguoi.	10	
Concentration (ug/Kg)	Det. Limit (ug/Kg)	
	0.9	
14.4	1.0	
ND	1.0	
ND	1.2	
ND	0.9	
	Concentration (ug/Kg) ND 14.4 ND ND	Det. Concentration Limit (ug/Kg) (ug/Kg) ND 0.9 14.4 1.0 ND 1.0 ND 1.0 ND 1.2

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	91.5 %
	1,4-difluorobenzene	103 %
	Bromochlorobenzene	109 %

References:

Total BTEX

Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA,

14.4

December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846,

USEPA, December 1996.

Comments:

Redfern #1

Analyst

Review



EPA METHOD 8021 AROMATIC VOLATILE ORGANICS

Client:	N/A		Project #:		N/A				
Sample ID:	0713BBLK QA/QC		Date Reported:		07-13-11				
Laboratory Number:	58904		Date Sampled:		N/A				
Sample Matrix:	Soil		Date Received:		N/A				
Preservative:	N/A		Date Analyzed:		07-13-11				
Condition:	N/A		Analysis:		BTEX				
			10						
Calibration and Detection Limits (ug/L)	J-CalRF	C-Cal RF Accept- Ran		Blank Conc	Detect:				
Benzene	2.5886E+006	2.5938E+006	0.2%	ND	0.1				
Toluene	9.2663E+005	9.2848E+005	0.2%	ND	0.1				
Ethylbenzene	6.1066E+005	6.1189E+005	0.2%	ND	0.1				
Ethylbenzene p,m-Xylene	6.1066E+005 1.2966E+006	6.1189E+005 1.2992E+006	0.2% 0.2%	ND ND	0.1 0.1				

Duplicate Conc. (ug/Kg)	Sample Di	uplicate	∌%Diff.	Accept Range	Detect: Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	14.4	15.8	9.7%	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	unt Spiked & Spil	ked Sample: ***%	Recovery	Accept Range
Benzene	ND	500	490	97.9%	39 - 150
Toluene	14.4	500	502	97.5%	46 - 148
Ethylbenzene	ND	500	541	108%	32 - 160
p,m-Xylene	ND	1000	1,090	109%	46 - 148
o-Xylene	ND	500	544	109%	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: Me

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 58904, 58919-58920

Review



Chloride

Client: Sample ID: Chevron North America

Project #:

92270-0771

5 Pt Composite

Date Reported:

07/13/11

Lab ID#:

58904

Date Sampled: Date Received: 07/12/11 07/12/11

Sample Matrix: Preservative:

Soil Cool

Date Analyzed:

07/13/11

Condition:

Intact

Chain of Custody:

12167

Parameter

Concentration (mg/Kg)

Total Chloride

250

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.

Review

Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Redfern #1

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com



Chloride

Chevron North America Client: Sample ID: Background

58905 Lab ID#: Sample Matrix: Soil

Preservative: Cool Condition: Intact Project #:

Date Reported:

Date Sampled: Date Received:

Date Analyzed:

Chain of Custody:

92270-0771

07/13/11 07/12/11

07/12/11

07/13/11 12167

Parameter

Concentration (mg/Kg)

Total Chloride

120

Reference:

U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983. Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments:

Redfern #1

5796 US Highway 64, Farmington, NM 87401

Review

Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

RUSH

CHAIN OF CUSTODY RECORD

12167

Client:		T F	Project Name /	Location					ANALYSIS / PARAMETERS														
CHEURON	NORD	- 072	REDEE	RAI	#1					,				ANAL	YSIS	/ PAR	AME	TERS					
Client Address:	7 291	me kila	Sampler Name:							Ê	<u> </u>	T					T						
		-	- Mc	KNI	GHT				8015	1 802	826(တ											
Client Phone No.:	Client No.:								poc	thoc	poq	letal	nion		1		=	ш				8	itact
			7227				Met	(Me	Met	8 6	A/n		with		(418	E C				e C	le lu		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	S	ample ⁄/atrix	No./Volume of Containers	Prese HgCl, H	ervative	臣	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion		TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
Spt Composite Background	7/2/11	12:11	58904 ⁽	Solid	Sludge Aqueous	/407		V	To.	V								V				Y	Y
Background	7/12/11	12:56	58905	Soil Solid	Sludge Aqueous	1402		V						,				/					<u> </u>
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
	Soil Solid				Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																	.	
				Soil Solid	Sludge Aqueous																		
				Soil Solid	Sludge Aqueous																		
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				Soil Solid	Sludge Aqueous																		
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5796 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • lab@envirotech-inc.com