

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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
Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.
For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
12433 Proposed Alternative Method Permit or Closure Plan Application

Type of action: ☐ Below grade tank registration
☐ Permit of a pit or proposed alternative method
☒ Closure of a pit, below-grade tank, or proposed alternative method
☐ Modification to an existing permit/or registration
☐ Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method

OIL CONS. DIV DIST. 3
DEC 08 2014

Instructions: Please submit one application (Form C-144) per individual pit, 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.

Operator: McElvain Energy, Inc. OGRID #: 22044
Address: 1050 17th St. Suite 2500, Denver, CO 80265
Facility or well name: ORA #8
API Number: 30-039-29702 OCD Permit Number: 1045
U/L or Qtr/Qtr M Section 15 Township 25N Range 3W County: Rio Arriba
Center of Proposed Design: Latitude 36.393937 N Longitude -107.138463 W NAD: ☐ 1927 ☒ 1983
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2. ☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC
Temporary: ☐ Drilling ☐ Workover
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no
☐ 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. ☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: 95 bbl Type of fluid: Oil & 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 _____

* As discussed please follow approved closure plans.
Table I is for 2013 permits only.
Results were Below 08 STANDARDS.

4. ☐ **Alternative Method:**
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

5. **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 4" Hog wire w/top rail = 4'

6. **Netting:** Subsection E of 19.15.17.11 NMAC (*Applies to permanent pits and permanent open top tanks*)

☐ Screen ☐ Netting ☒ Other Expanded Metal

☐ Monthly inspections (If netting or screening is not physically feasible)

7. **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 19.15.16.8 NMAC

8. **Variances 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:

☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.

☐ Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

9. **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. Siting criteria does not apply to drying pads or above-grade tanks.

General siting

Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank.

☐ NM Office of the State Engineer - iWATERS database search; ☐ USGS; ☐ Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit.

NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells

☐ Yes ☐ No

☐ NA

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. **(Does not apply to below grade tanks)**

☐ Yes ☐ No

- Written confirmation or verification from the municipality; Written approval obtained from the municipality.

Within the area overlying a subsurface mine. **(Does not apply to below grade tanks)**

☐ Yes ☐ No

- Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division

Within an unstable area. **(Does not apply to below grade tanks)**

☐ Yes ☐ No

- Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map

Within a 100-year floodplain. **(Does not apply to below grade tanks)**

☐ Yes ☐ No

- FEMA map

Below Grade Tanks

Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark).

☐ Yes ☐ No

- Topographic map; Visual inspection (certification) of the proposed site

Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption;

☐ Yes ☐ No

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)

Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.)

☐ Yes ☐ No

- Topographic map; Visual inspection (certification) of the proposed site

Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.

☐ Yes ☐ No

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application.

☐ Yes ☐ No

NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

Within 100 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Temporary Pit Non-low chloride drilling fluid

Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any 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.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application;

- NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Within 300 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

Permanent Pit or Multi-Well Fluid Management Pit

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 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application.

- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image

☐ Yes ☐ No

Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, 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 500 feet of a wetland.

- US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site

☐ Yes ☐ No

10.

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: _____

11.

Multi-Well Fluid Management Pit 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.

- ☐ 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
- ☐ A List of wells with approved application for permit to drill associated with the pit.
- ☐ 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
- ☐ Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC
- ☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Previously Approved Design (attach copy of design) API Number: _____ or Permit Number: _____

12.

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 H₂S, 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

13.

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 ☐ Multi-well Fluid Management Pit
☐ 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

14.

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 C 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 H of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

15.

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 require justifications and/or demonstrations of equivalency. Please refer to 19.15.17.10 NMAC for guidance.

Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input type="checkbox"/> 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 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.

- FEMA map

☐ Yes ☐ No

16.

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 E of 19.15.17.13 NMAC
☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K 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 19.15.17.13 NMAC
☐ Waste Material Sampling Plan - based upon the appropriate requirements 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 H of 19.15.17.13 NMAC
☐ Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

17.

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: _____

18.

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

OCD Representative Signature: _____ Approval Date: 2/23/15

Title: Environmental Spec. OCD Permit Number: _____

19.

Closure Report (required within 60 days of closure completion): 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: 10/14/2014

20.

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.

21.

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)
☐ Proof of Deed Notice (required for on-site closure for private land only)
☒ Plot Plan (for on-site closures and temporary pits)
☒ Confirmation Sampling Analytical Results (if applicable)
☒ Waste Material Sampling Analytical Results (required for on-site closure)
☐ Disposal Facility Name and Permit Number
☒ Soil Backfilling and Cover Installation
☐ Re-vegetation Application Rates and Seeding Technique
☒ Site Reclamation (Photo Documentation)

On-site Closure Location: Latitude 36.393937 N Longitude -107.138463 W NAD: ☐ 1927 ☒ 1983

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): Deborah Powell Title: Eng Tech Manager

Signature: *Debbie Powell* Date: 12-5-2014

e-mail address Debbyp@McElvain.com Telephone: 303-893-0933 Ex 308

McElvain Energy, Inc.
San Juan Basin
Below Grade Tank Closure Plan

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of Below Grade Tanks (BGTs) on McElvain Energy, Inc. locations. This is MCELVAIN ENERGY, INC.'s standard procedure for all BGTs. A separate plan will be submitted for any BGT which does not conform to this plan.

General Requirements:

1. MCELVAIN ENERGY, INC. shall close a below-grade tank within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.
2. MCELVAIN ENERGY, INC. shall close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation. The closure report will be filed on C-144
3. MCELVAIN ENERGY, INC. shall remove liquids and sludge from a below-grade tank prior to implementing a closure method and shall dispose of the liquids and sludge in a division-approved facility. The facilities to be used will be Basin Disposal (Permit #NM-01-005) and Envirotech Land Farm (Permit #NM-01-011). The liner will be disposed of at the San Juan County Landfill located on CR 3100.
No Liner.
4. MCELVAIN ENERGY, INC. will receive prior approval to remove the below-grade tank and dispose of it in a division-approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. Documentation of how the below-grade tank was disposed of or recycled will be provided in the closure report. **Tank Removed.**
5. If there is any on-site equipment associated with a below-grade tank, then BR shall remove the equipment, unless the equipment is required for some other purpose. **Associated Equipment removed.**
6. MCELVAIN ENERGY, INC. shall test the soils beneath the below-grade tank to determine whether a release has occurred. MCELVAIN ENERGY, INC. shall collect, at a minimum, a five point, composite sample; collect individual grab samples from any area that is wet, discolored or showing other evidence of a release. The samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the individual constituent levels are below the Levels set forth in the published closure criteria found in 19.15.17.13 (H)(5) Table 1 NMAC. MCELVAIN ENERGY, INC. shall notify the division of its results on form C-141 if any corrective action need be taken. **Analytical Report included.**
7. If the samples exceed the limits above it will be determined that a release has occurred, then MCELVAIN ENERGY, INC. shall comply with the applicable spill and release rules as appropriate. **No Release has occurred**

8. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, then MCELVAIN ENERGY, INC. shall backfill the excavation with compacted, non-waste containing, earthen material; construct a division-prescribed soil cover; recontour and re-vegetate the site. **Four + feet of clean top soil.**
- 9.
10. Notice of Closure will be given prior to closure to the Aztec Division office between 72 hours and one week via email or verbally. The notification of closure will include the following:
- Operator's name
 - Location by Unit Letter, Section, Township, and Range. Well name and API number. **Notification attached**
11. The surface owner shall be notified of MCELVAIN ENERGY, INC.'s closing of the below-grade tank prior to closure as per the approved closure plan via certified mail, return receipt requested.
12. Re-contouring of location will match fit, shape, line, form and texture of the surrounding. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be place in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape. **Pit Location Re-contoured**
13. MCELVAIN ENERGY, INC. shall seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs. **Well is T&A seeding will occur when the well is P&A.**
14. A minimum of four feet of cover shall be achieved and the cover shall include one foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater. **Four + feet of clean top soil.**
15. All closure activities will include proper documentation and be available for review upon request and will be submitted to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on C-144 and incorporate the following:
- Soil Backfilling and Cover Installation
 - Re-vegetation application rates and seeding techniques
 - Photo documentation of the site reclamation
 - Confirmation Sampling Results
 - Proof of closure notice

Debby Powell

From: Randy Elledge
Sent: Wednesday, October 08, 2014 8:33 AM
To: Jonathan.Kelly@state.nm.us; Cory.Smith@State.nm.us; Brandon.Powell@state.nm.us; Debby Powell
Cc: John Steuble; Glenn Hise; Tony Cooper; Tiffany McIntosh (tmcintosh@envirotech-inc.com)
Subject: Pit closures

McElvain Energy, Inc. will be sampling and removing the below grade pit tank (BGT) at the Cougar Com 33-1M on October 14th at 10:00am. Upon removal of the BGT, we will move to the Ora #8 and remove and sample the BGT on this location as well. If the samples return below the required limits, then backfilling will take place. If the test results are above the required limits, remediation will take place. Envirotech will be taking the field samples and conducting the laboratory analysis. I can be reached at 505-320-4969.

Randy J. Elledge
Wapiti Energy Services, LLC

OFT Construction

P.O. Box 403 • Kirtland, NM • 87417
(505) 320-6158 • Office: (505) 598-3152

20121

COMPANY MC Elvain Energy Inc DATE: 10/23/14

LEASE: ORA # 8 WELL # _____

ORDERED BY: Randy

	HOURS	RATE	AMOUNT
FOREMAN <u>Adrian Delgado</u>	<u>12</u>		
LABOR <u>Julian Trejillo</u>	<u>12</u>		
LABOR <u>Tony Jaquer</u>	<u>12</u>		
LABOR _____			
EQUIP. OPERATOR _____			
THREE TON TRUCK W/TOOLS <u>Tot</u>	<u>12</u>		
ONE TON W/TOOLS _____			
3/4 TON W/TOOLS _____			
FLOAT <u>F 102</u>	<u>6</u>		
BACKHOE <u>H 202</u>	<u>08</u>		
OTHER _____			
OTHER _____			
OTHER _____			
FUEL SURCHARGE <u>8% of ticket</u>	<u>1</u>		
MATERIAL _____			

			TAX
			TOT

DESCRIPTION OF WORK

We went to location and pulled out the seller wall's then load them on the trailer. Then backfilled the pit and back drag location.

SAFETY

I have not been involved in or injured in an accident on this day.

ROAD CONDITIONS

_____ Poor

_____ Fair

_____ Good

FORMAN OR OPERATOR Adrian Delgado AUTHORIZED BY _____

141
WAPITI ENERGY SERVICES

31508

P.O. Box 5610 • Farmington, NM 87499
(505) 320-4969 • Fax (505) 324-9954

Date 9-12-14

Customer McElvain County _____

Location ORA #8 Sec. _____ Township _____ Range _____

From _____ To W.F.

	Other	Water					Hours
1 BBLS Hauled		70	Start Time	<u>am</u> 9:30 pm	Stop Time	<u>am</u> 1:30 pm	4.0
2 BBLS Hauled			Start Time	am pm	Stop Time	am pm	
3 BBLS Hauled			Start Time	am pm	Stop Time	am pm	
4 BBLS Hauled			Start Time	am pm	Stop Time	am pm	
5 BBLS Hauled			Start Time	am pm	Stop Time	am pm	
Total BBLS		70			Total Hours		4.0

Rate per barrel \$ _____

Rate per hour \$ _____

Seal Off _____

Seal On _____

Remarks Empty Pit, Oil Tanks, and Separator

Road Conditions _____

Driver Cliff Price Received by _____

Truck # 08

Thank You For Your Business!



COMMERCIAL LANDFARM TICKET

T-N-T Environmental, Inc.

#70.CR 405 • Lindrieth, NM 87029

Ticket No:

8781

Date: 9-18-14 Customer: M/E Energy, Inc.

Well Name & Number: Cro # 8

Customer Rep: Randy E. Hodge Charge Code: _____

Trucking Co: QTL Driver (print): Raymond B. Smith Phone #: 214-8123

Truck No: 200 Delivery Ticket No: 235301

Once material is loaded it is your responsibility to secure your load.

By signing, you are releasing T-n-T Environmental Inc., its owners and its employees of any and all liabilities.

ITEM NO.	PAINT FILTER TEST RATIO	CHLORIDE RESULTS	CELL	TRASH CHARGE	Impacted Soil		Tank Bottoms		Drilling Fluid		Comments	Driver Signature
					YRDS	BBLS	YRDS	BBLS	YRDS	BBLS		
1	1-1	808	2-T						65		Tank	Raymond B. Smith
2									10		Wash Out	Raymond B. Smith
3												
4												
5												
6												
7												
8												

MATERIAL

B = Backfill

T = Topsoil

S = Sandrock

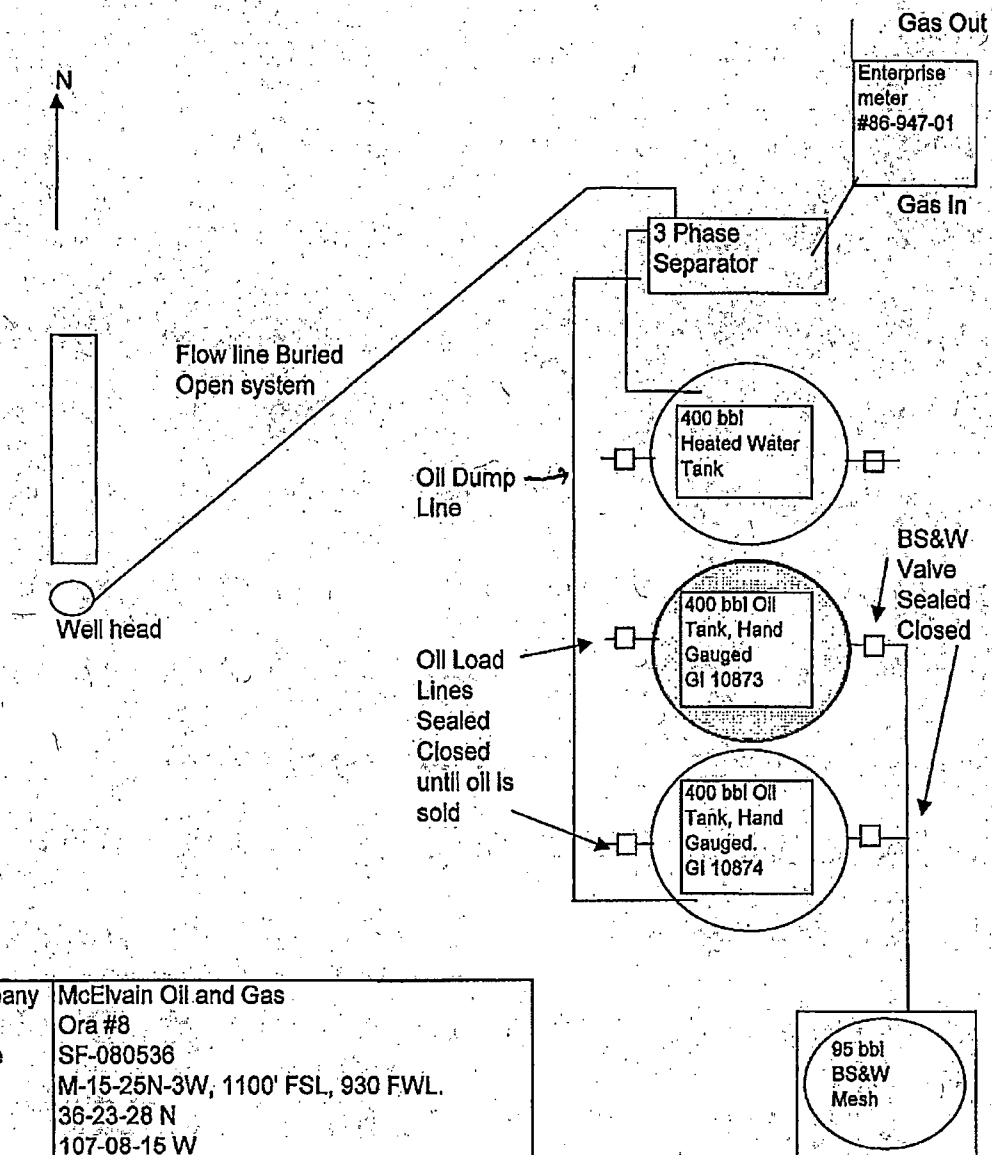
G = Gravel

ITEM NO.	DRIVER'S SIGNATURE	TYPE	YRDS	ITEM NO.	DRIVER'S SIGNATURE	TYPE	YRDS
1				8			
2				9			
3				10			
4				11			
5				12			
6				13			
7				14			

REPROGRAPHICS 031310T

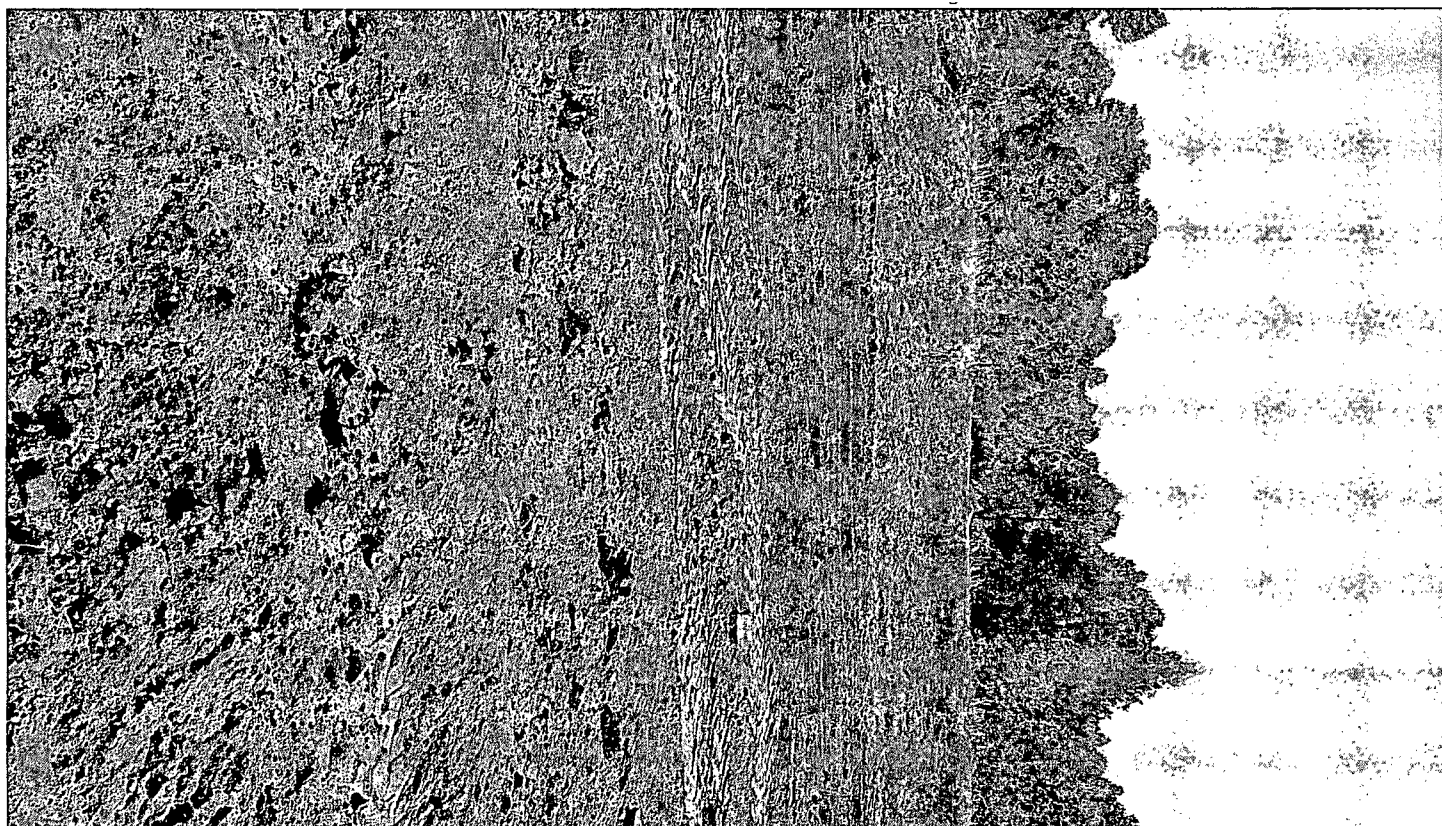
Date: 9-18-14 T-N-T Attendant: [Signature]

COPIES: WHITE — Landfarm YELLOW — Customer PINK — Transporter GOLD — Landfarm



Company	McElvain Oil and Gas
Well	Ora #8
Lease	SF-080536
Loc.	M-15-25N-3W, 1100' FSL, 930 FWL.
Lat.	36-23-28 N
Long.	107-08-16 W
API	30-039-29702
County	Rio Arriba
State	NM
Meter	86-947-01

●			





November 25, 2014

Project Number 06039-0036

Mr. Randy Elledge
McElvain Oil & Gas
700 Dekalb Street
Farmington, New Mexico 87401

Phone: (505) 320-4969

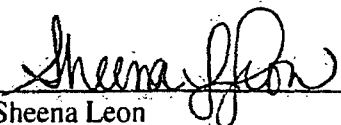
RE: BELOW-GRADE TANK CLOSURE DOCUMENTATION FOR THE ORA #8 WELL SITE, RIO ARriba COUNTY, NEW MEXICO

Dear Mr. Elledge:

Enclosed please find the field notes and analytical results for below-grade tank (BGT) closure activities conducted at the Ora #8 well site located in Section 15, Township 25 North, Range 3 West, Rio Arriba County, New Mexico. Upon Envirotech personnel's arrival on October 14, 2014, one (1) five (5)-point composite soil sample was collected from directly beneath the former BGT; see enclosed *Field Notes*. The sample was placed into a four (4)-ounce glass jar, capped headspace free, and transported on ice, under chain of custody, to Envirotech's Analytical Laboratory to be analyzed for total petroleum hydrocarbons (TPH) using USEPA Method 418.1 and 8015, benzene and total BTEX using USEPA Method 8021, and chlorides using USEPA Method 300.0. The sample returned results below the regulatory standards for all constituents analyzed, confirming a release had not occurred; see enclosed *Summary of Analytical Results* and *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 additional information, please contact our office at (505) 632-0615.

Respectfully submitted,
ENVIROTECH, INC.


Sheena Leon
Environmental Field Technician
sleon@envirotech-inc.com

Enclosure(s): Field Notes
Summary of Analytical Results
Analytical Results

Cc: Client File Number 06039

PAGE NO: _____ OF _____	 (505) 632-0616 (800) 362-1879 5706 U.S. Hwy 64, Farmington, NM 87401	ENVIRONMENTAL SPECIALIST: S. Leon LAT: 36° 39' 36" N LONG: -107° 13' 55" W					
DATE STARTED: 10/14/14 DATE FINISHED: 10/14/14							
FIELD REPORT: BGT / PIT CLOSURE VERIFICATION							
LOCATION NAME:	Ora	WELL #: 8 TEMP PIT: PERMANENT PIT: BGT: ✓					
LEGAL ADD UNIT:	SEC: 15 TWP: 25N RNG: 3W PM:	CNTY: Hidalgo ST: New Mexico					
QTR/FOOTAGE:							
EXCAVATION APPROX: FT.	X	FT. X FT. DEEP CUBIC YARDAGE:					
DISPOSAL FACILITY:	REMEDICATION METHOD:						
LAND OWNER:	APl:	BGT / PIT VOLUME:					
CONSTRUCTION MATERIAL:	DOUBLE-WALLED, WITH LEAK DETECTION:						
LOCATION APPROXIMATELY:	FT.	FROM WELLHEAD					
DEPTH TO GROUNDWATER:							
TEMPORARY PIT - GROUNDWATER 50-100 FEET DEEP BENZENE ≤ 0.2 mg/kg, BTEx ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 500 mg/kg							
TEMPORARY PIT - GROUNDWATER ≥ 100 FEET DEEP BENZENE ≤ 0.2 mg/kg, BTEx ≤ 50 mg/kg, GRO & DRO FRACTION (8015) ≤ 500 mg/kg, TPH (418.1) ≤ 2500 mg/kg, CHLORIDES ≤ 1000 mg/kg							
✓ PERMANENT PIT OR BGT BENZENE ≤ 0.2 mg/kg, BTEx ≤ 50 mg/kg, TPH (418.1) ≤ 100 mg/kg, CHLORIDES ≤ 250 mg/kg							
FIELD 418.1 ANALYSIS							
TIME	SAMPLE ID	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. (mg/kg)
10:10	2EOSTD					182	
12:30	Ora BGt	1	5	20	x4	9	310
		2					
		3					
		4					
		5					
		6					
PERIMETER FIELD CHLORIDES RESULTS PROFILE							
SAMPLE ID		READING	CALC. (mg/kg)				
PID RESULTS							
SAMPLE ID		RESULTS (mg/kg)					
Ora BGt		0.0					
LAB SAMPLES			NOTES: Collected 1 5 point composite sample under BGt				
SAMPLE ID	ANALYSIS	RESULTS					
Ora BGt	BENZENE						
	BTEX						
	GRO & DRO						
	CHLORIDES						
Ranking:							
WORKORDER #			WHO ORDERED				

Table 1. Summary of Analytical Results
 McElvain Oil and Gas
 Ora #8
 Below Ground Tank Closure Report
 Rio Arriba County, New Mexico
 Project Number 06039-0035

Sample Description	Sample Number	Date	TPH USEPA Method 418.1 (ppm)	TPH USEPA Method 8015 (ppm)	Benzene USEPA Method 8021 (ppm)	BTEX USEPA Method 8021 (ppm)	Chlorides USEPA Method 300.0 (ppm)
NMOCB/RCRA Standards	NA	NA	2500	1000	10	50	10000
BGT Composite	1	10/14/2014	36.0	ND	ND	ND	35.4

NS = Not Sampled

ND = Non-Detect at Stated Method's Detection Limit

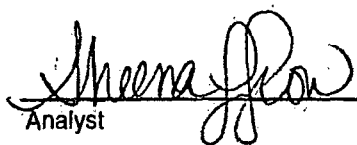
* Values in **BOLD** above regulatory standards

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 14-Oct-14

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	182
	200	
	500	
	1000	

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


Analyst

Sheena Leon
Print Name

11/24/2014
Date


Review

Toni McKnight, EIT
Print Name

11/24/2014
Date

**EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS**

Client:	McElvain Oil & Gas	Project #:	06039-0036
Sample No.:	1	Date Reported:	11/24/2014
Sample ID:	BGT Composite	Date Sampled:	10/14/2014
Sample Matrix:	Soil	Date Analyzed:	10/14/2014
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

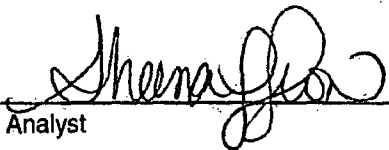
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	36	5.0

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: Ora #8

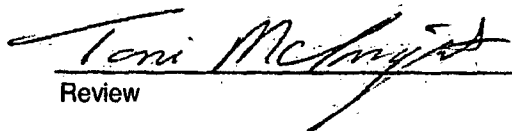
Instrument calibrated to 200 ppm standard and zeroed before each sample.



Analyst

Sheena Leon

Printed



Review

Toni McKnight, EIT

Printed



Analytical Report

Report Summary

Client: McElvain Energy, Inc.
Chain Of Custody Number: 17483
Samples Received: 10/14/2014 4:10:00PM
Job Number: 06039-0036
Work Order: P410056
Project Name/Location: Ora #8

Entire Report Reviewed By:

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

Date: 10/22/14

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.



McElvain Energy, Inc.
PO Box 5610
Farmington NM, 87499-5610

Project Name: Ora #8
Project Number: 06039-0036
Project Manager: Sheena Leon

Reported:
22-Oct-14 14:26

Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Composite	P410056-01A	Soil	10/14/14	10/14/14	Glass Jar, 4 oz.

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Ph (970) 259-0615 Fr (800) 362-1879





McElvain Energy, Inc.
PO Box 5610
Farmington NM, 87499-5610

Project Name: Ora #8
Project Number: 06039-0036
Project Manager: Sheena Leon

Reported:
22-Oct-14 14:26

BGT Composite
P410056-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organics by EPA 8021									
Benzene	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
Toluene	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
Ethylbenzene	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
p,m-Xylene	ND	0.20	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
o-Xylene	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
Total Xylenes	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
Total BTEX	ND	0.10	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8021B	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %		50-150	1442019	10/15/14	10/22/14	EPA 8021B	
Nonhalogenated Organics by 8015									
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg	1	1442019	10/15/14	10/22/14	EPA 8015D	
Diesel Range Organics (C10-C28)	ND	30.0	mg/kg	1	1442014	10/15/14	10/15/14	EPA 8015D	
Surrogate: o-Terphenyl		114 %		50-200	1442014	10/15/14	10/15/14	EPA 8015D	
Surrogate: 4-Bromochlorobenzene-FID		86.2 %		50-150	1442019	10/15/14	10/22/14	EPA 8015D	
Cation/Anion Analysis									
Chloride	35.4	9.99	mg/kg	1	1442020	10/15/14	10/15/14	EPA 300.0	

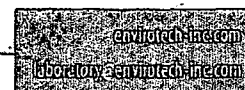
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McElvain Energy, Inc.	Project Name:	Ora #8	Reported:
PO Box 5610	Project Number:	06039-0036	22-Oct-14 14:26
Farmington NM, 87499-5610	Project Manager:	Sheena Leon	

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 1442019 - Purge and Trap EPA 5030A

Blank (1442019-BLK1)

Prepared: 14-Oct-14 Analyzed: 16-Oct-14

Benzene	ND	0.10	mg/kg							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
p,m-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							
Total Xylenes	ND	0.10	"							
Total BTEX	ND	0.10	"							
Surrogate: 4-Bromochlorobenzene-PID	0.395		"	0.400		98.9	50-150			

LCS (1442019-BS1)

Prepared: 14-Oct-14 Analyzed: 16-Oct-14

Benzene	18.5	0.10	mg/kg	20.0		92.5	75-125			
Toluene	18.6	0.10	"	20.0		92.9	70-125			
Ethylbenzene	18.7	0.10	"	20.0		93.4	75-125			
p,m-Xylene	37.7	0.20	"	40.0		94.5	80-125			
o-Xylene	18.6	0.10	"	20.0		93.1	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.404		"	0.400		101	50-150			

Matrix Spike (1442019-MS1)

Source: P410054-01

Prepared: 14-Oct-14 Analyzed: 16-Oct-14

Benzene	19.9	0.10	mg/kg	20.0	ND	99.3	75-125			
Toluene	20.0	0.10	"	20.0	ND	100	70-125			
Ethylbenzene	20.1	0.10	"	20.0	ND	100	75-125			
p,m-Xylene	40.6	0.20	"	40.0	ND	102	80-125			
o-Xylene	20.1	0.10	"	20.0	0.11	100	75-125			
Surrogate: 4-Bromochlorobenzene-PID	0.411		"	0.400		103	50-150			

Matrix Spike Dup (1442019-MSD1)

Source: P410054-01

Prepared: 14-Oct-14 Analyzed: 16-Oct-14

Benzene	20.0	0.10	mg/kg	20.0	ND	100	75-125	0.769	15	
Toluene	20.1	0.10	"	20.0	ND	101	70-125	0.718	15	
Ethylbenzene	20.2	0.10	"	20.0	ND	101	75-125	0.634	15	
p,m-Xylene	40.9	0.20	"	40.0	ND	102	80-125	0.686	15	
o-Xylene	20.3	0.10	"	20.0	0.11	101	75-125	0.844	15	
Surrogate: 4-Bromochlorobenzene-PID	0.409		"	0.400		102	50-150			

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McElvain Energy, Inc.	Project Name:	Ora #8	Reported:
PO Box 5610	Project Number:	06039-0036	22-Oct-14 14:26
Farmington NM, 87499-5610	Project Manager:	Sheena Leon	

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1442014 - DRO Extraction EPA 3550M										
Blank (1442014-BLK1)					Prepared: 14-Oct-14 Analyzed: 15-Oct-14					
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Surrogate: o-Terphenyl	38.1		"	39.9		95.5	50-200			
LCS (1442014-BS1)					Prepared: 14-Oct-14 Analyzed: 15-Oct-14					
Diesel Range Organics (C10-C28)	465	25.0	mg/kg	499		93.2	38-132			
Surrogate: o-Terphenyl	44.3		"	39.9		111	50-200			
Matrix Spike (1442014-MS1)					Source: P410046-04 Prepared: 14-Oct-14 Analyzed: 15-Oct-14					
Diesel Range Organics (C10-C28)	659	39.9	mg/kg	499	ND	132	38-132			
Surrogate: o-Terphenyl	59.2		"	39.9		148	50-200			
Matrix Spike Dup (1442014-MSD1)					Source: P410046-04 Prepared: 14-Oct-14 Analyzed: 15-Oct-14					
Diesel Range Organics (C10-C28)	628	39.9	mg/kg	499	ND	126	38-132	4.77	20	
Surrogate: o-Terphenyl	53.2		"	39.9		133	50-200			

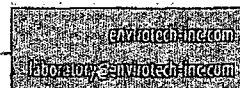
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McElvain Energy, Inc.
PO Box 5610
Farmington NM, 87499-5610

Project Name: Ora #8
Project Number: 06039-0036
Project Manager: Sheena Leon

Reported:
22-Oct-14 14:26

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1442019 - Purge and Trap EPA 5030A										
Blank (1442019-BLK1)										
					Prepared: 14-Oct-14 Analyzed: 16-Oct-14					
Gasoline Range Organics (C6-C10)	ND	9.99	mg/kg							
Surrogate: 4-Bromochlorobenzene-FID	0.361		"	0.400		90.4	50-150			
LCS (1442019-BS1)										
					Prepared: 14-Oct-14 Analyzed: 16-Oct-14					
Gasoline Range Organics (C6-C10)	265	9.99	mg/kg	292		90.9	80-120			
Surrogate: 4-Bromochlorobenzene-FID	0.369		"	0.400		92.2	50-150			
Matrix Spike (1442019-MS1)										
					Source: P410054-01 Prepared: 14-Oct-14 Analyzed: 16-Oct-14					
Gasoline Range Organics (C6-C10)	285	10.0	mg/kg	292	ND	97.6	75-125			
Surrogate: 4-Bromochlorobenzene-FID	0.374		"	0.400		93.5	50-150			
Matrix Spike Dup (1442019-MSD1)										
					Source: P410054-01 Prepared: 14-Oct-14 Analyzed: 16-Oct-14					
Gasoline Range Organics (C6-C10)	287	9.99	mg/kg	292	ND	98.5	75-125	0.798	15	
Surrogate: 4-Bromochlorobenzene-FID	0.374		"	0.400		93.5	50-150			

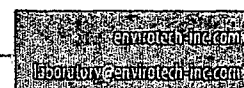
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McElvain Energy, Inc.	Project Name:	Ora #8	Reported:
PO Box 5610	Project Number:	06039-0036	22-Oct-14 14:26
Farmington NM, 87499-5610	Project Manager:	Sheena Leon	

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 1442020 - Anion Extraction EPA 300.0										
Blank (1442020-BLK1)				Prepared & Analyzed: 15-Oct-14						
Chloride	ND	9.99	mg/kg							
LCS (1442020-BS1)				Prepared & Analyzed: 15-Oct-14						
Chloride	501	9.93	mg/kg	497		101	90-110			
Matrix Spike (1442020-MS1)				Source: P410054-01 Prepared & Analyzed: 15-Oct-14						
Chloride	511	9.94	mg/kg	497	ND	103	80-120			
Matrix Spike Dup (1442020-MSD1)				Source: P410054-01 Prepared & Analyzed: 15-Oct-14						
Chloride	514	9.94	mg/kg	497	ND	103	80-120	0.674	20	

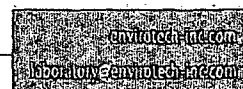
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Ph (970) 259-0615 Fx (800) 362-1879





McElvain Energy, Inc.
PO Box 5610
Farmington NM, 87499-5610

Project Name: Ora #8
Project Number: 06039-0036
Project Manager: Sheena Leon

Reported:
22-Oct-14 14:26

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

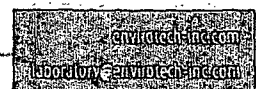
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Ph (970) 259-0615 Fr (800) 362-1879



CHAIN OF CUSTODY RECORD

17483

Client: <u>McElwain</u>			Project Name / Location: <u>Dra #8</u>			ANALYSIS / PARAMETERS													
Email results to: <u>S Leon</u>			Sampler Name: <u>S Leon</u>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: <u>060391-00310</u>																
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No. / Volume of Containers	Preservative														
					HNO ₃	HCl	(B)												
BGT Composite	10/14/14	12:30	P410056-01	1402 g dry			X	X	X						X			X	X
Relinquished by: (Signature) <u>Sheena Leon</u>				Date: <u>10/14/14</u>	Time: <u>11:10</u>	Received by: (Signature) <u>Miriam Joe</u>				Date: <u>10/14/14</u>	Time: <u>16:10</u>								
Relinquished by: (Signature)						Received by: (Signature)													
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																			



12.1

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company McElvain Energy, Inc.	Contact Deb Powell	
Address 1050 17 th St, Suite 2500, Denver, CO 80265	Telephone No. 303-893-0933	
Facility Name ORA #8	Facility Type Well- Removal of Pit Tank	
Surface Owner BLM	Mineral Owner Private	API No.30-039-27702

LOCATION OF RELEASE

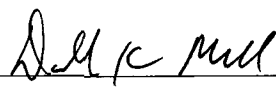
Unit Letter M	Section 15	Township 25N	Range 3W	Feet from the 1150	North/South Line South	Feet from the 930	East/West Line West	County Rio Arriba
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Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release NONE	Volume of Release	Volume Recovered
Source of Release	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.* NONE		
Describe Cause of Problem and Remedial Action Taken.* NONE		
Describe Area Affected and Cleanup Action Taken.*		

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: 		OIL CONSERVATION DIVISION	
Printed Name: Deborah K Powell		Approved by Environmental Specialist:	
Title: Eng Tech Manager	Approval Date:	Expiration Date:	
E-mail Address: Debby@McElvain.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: 12/5/2014	Phone: 303-893-0933		

* Attach Additional Sheets If Necessary