

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
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

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.

1.
Operator: Kinder Morgan CO2 Company, L.P. OGRID #: 34945
Address: 17801 U.S. Highway 491, Cortez, Colorado 81321
Facility or well name: CC14X
API Number: 30-003-20042 OCD Permit Number: _____
U/L or Qtr/Qtr D Section 27 Township 1N Range 21W County: Catron
Center of Proposed Design: Latitude 34° 17' 12.62" Longitude 109° 01' 55.00" 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 20 mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____
☐ String-Reinforced
Liner Seams: ☒ Welded ☐ Factory ☐ Other _____ Volume: 2,140 bbl Dimensions: L 100' x W 15' x D 12'

3.
☐ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC
Volume: _____ bbl Type of fluid: _____
Tank Construction material: _____
☐ 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 _____

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 _____

6.

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)

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)**

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

☐ Yes ☒ No

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

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

☐ Yes ☒ No

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

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

- FEMA map

☐ Yes ☒ No

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).

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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.)

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

☐ Yes ☐ No

Within 300 feet from a occupied 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 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.

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

☐ Yes ☐ No

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	☐ Yes ☒ No ☐ 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	☐ 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 obtained from nearby wells	☒ Yes ☐ No ☐ 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	☐ 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 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	☐ Yes ☒ No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ 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
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 I of 19.15.17.13 NMAC
- ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
- ☒ Site Reclamation Plan - based upon the appropriate requirements of Subsection 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): Michael Hannigan, P.E. Title: Senior EHS Specialist

Signature: Michael Hannigan Date: April 12, 2016

e-mail address: michael_hannigan@kindermorgan.com Telephone: (970) 882-5532

18.

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

OCD Representative Signature: Leonard J. Jurek Approval Date: April 15, 2016

Title: Petroleum Engineer 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: _____

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 _____ Longitude _____ 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): _____ Title: _____

Signature: _____ Date: _____

e-mail address: _____ Telephone: _____

PROTOCOLS AND PROCEDURES
ON-SITE CLOSURE OF TEMPORARY DRILLING PITS
COTTONWOOD CANYON WELLS CC14 AND CC14X LOCATION
CATRON COUNTY, NEW MEXICO

Waste Material Sampling Plan

Composite samples of waste from the temporary drilling pits at the CC14/CC14X location were collected on February 11, 2016 and submitted for laboratory analysis. Two (2) five point composite samples were collected from each pit. The collection points for each composite sample, designated CC14XS, CC14XN, CC14E and CC14W, are shown in attached Figure 1. The samples were submitted to Green Analytical Laboratories for analysis of Table II 19.15.17.13 NMAC parameters. A summary of the results of analyses, which are shown in the table below, indicate that the concentrations of potential contaminants in the waste samples are below the Table II closure criteria concentrations for burial trenches or waste left in place in temporary pits. The laboratory analytical report is attached.

SUMMARY OF DRILLING WASTE ANALYTICAL RESULTS

Sample ID	CC14XS	CC14XN	CC14E	CC14W	Table II 19.15.17.13 NMAC Closure Criteria⁶
Sample Collection Date	2/11/2016	2/11/2016	2/11/2016	2/11/2016	
Chloride (mg/kg)¹	6,450	2,400	7,940	10,100	80,000
TPH² (mg/kg)	911	1,530	1,040	528	2,500
GRO³ + DRO⁴ (mg/kg)	61.1	<20.0	<20.0	<20.0	1,000
BTEX⁵ (mg/kg)	1.60	0.975	0.889	0.349	50
Benzene (mg/kg)	<0.050	<0.050	<0.050	<0.050	10

Notes:

1. Milligrams per kilogram
2. Total Petroleum Hydrocarbons
3. Gasoline Range Organics
4. Diesel Range Organics
5. Benzene, Toluene, Ethylbenzene & Xylenes (total)
6. Burial Trenches and Waste Left in Place in Temporary Pits (Depth to groundwater >100 feet)

Based on the results of analyses of the waste material in the CC14 and CC14X temporary drilling pits, Kinder Morgan has elected to construct an on-site burial trench for disposal of the waste. The design plan and construction of the burial trench is discussed in the following section of this temporary drilling pit closure plan.

Burial Trench Design Plan and Construction

The volume of waste material remaining in the CC14 and CC14X pits was calculated by measuring the surface area within the mud line of each pit and multiplying the total area by the average depth of the waste. The surface area of the waste remaining in each pit is 5,390 square feet (ft²) in CC14 and 5,865 ft² in CC14X (11,256 ft² total surface area). The average depth of the waste material in both pits is 1 foot which yields a total volume of waste material to be approximately 11,256 cubic feet (417 cubic yards).

The proposed on-site burial trench will be situated at the base of the existing cut slope on the west side of the well location, as shown in attached Figure 1. The proposed burial trench will have minimum dimensions of 100 feet long by 15 feet wide by 12 feet deep, which will provide a disposal volume of approximately 445 cubic yards for the drilling waste and pit liners from the CC14 and CC14X temporary drilling pits and a minimum 4-foot deep non-waste containing soil cover. Prior to the placement of any waste material, the burial trench will be lined with a string reinforced LLDPE geomembrane having a minimum thickness of 20 mils.

Once the waste material has been stabilized by removing any free liquids (rain water) that may have collected in the pits and ensuring that the material is dry, it will be transferred from the pits to the lined burial trench using a combination of backhoes, loaders and other heavy equipment as needed. After all of the waste material has been transferred from the pits to the lined burial trench, the existing pit liners will be removed from the temporary pits and placed in the burial trench.

After all of the waste and used liner materials have been transferred from the temporary pits to the burial trench, the outer edges of the trench liner will be folded over the materials placed in the trench and a string reinforced LLDPE geomembrane cover having a minimum thickness of 20 mils will be installed in a manner that will prevent the collection of infiltration water in the trench. A non-waste containing soil cover having a minimum thickness of 4 feet will be placed over the geomembrane cover of the burial trench.

After removal of the waste and liner material materials from the temporary pits to the burial trench, soil samples will be collected from beneath the pit liners. A five point composite sample will be collected from the soil beneath the liner of each temporary pit and will include soil from any stained or wet areas observed after removal of the liners. The samples will be submitted to an accredited laboratory for analysis of the constituents listed in Table I of 18.15.17.13 NMAC.

Latitude and longitude coordinates will be obtained from the center points of both of the CC14 and CC14X temporary drilling pits. The recorded coordinates will be reported on the final Form C-144 submitted to the Oil Conservation Division for these pits.

Reclamation

After closure of temporary drilling pits CC14 and CC14X, the pit locations, burial trench location and unused portions of the well pad will be reclaimed to a safe and stable condition that blends with the surrounding undisturbed area.

The clean material excavated to construct the on-site burial trench will be used to construct a soil cover over the trench after the drilling waste and pit liners have been transferred. The soil cover will consist of a minimum of four feet of non-waste containing, uncontaminated earthen material with chloride concentrations less than 600 milligrams per kilogram as analyzed by EPA Method 300.0. After the burial trench has been covered, the fill material used to construct the temporary drilling pits will be moved to the west side of the well location where most of it originated. The background thickness of topsoil or one foot (minimum) of suitable material to establish vegetation will be placed as the surface layer of the soil cover in the unused portions of the well pad. The reclaimed area will be maintained to control dust and graded to minimize erosion to the extent practicable.

The well access road will terminate in a teardrop pattern around the wellheads and remain in place until the wells are plugged and abandoned. After the wells are plugged and abandoned, which are tentatively scheduled to take place in or around the month of July 2017, topsoil will be placed over the entire well pad and access road to the site's existing grade. The topsoil will be placed and graded in a manner that will prevent ponding of water and erosion of the cover material. The entire disturbed area of the well location will be reseeded during the first favorable growing season following well plugging and abandonment.

Notifications

The surface owner will be notified by certified mail at least 72 hours, but not more than one week, prior to the commencement of any closure operation. The State of New Mexico Energy, Minerals and Natural Resources Department Oil Conservation Division District IV office will be notified verbally and in writing at least 72 hours, but not more than one week, prior to the commencement of any closure operation.

Reporting

A certified closure report will be submitted on form C-144, including sampling results and construction details, within 60 days of temporary pit closure completion. The exact location of the onsite burial trench will be reported on form C-105.

On-Site Burial Identification

A steel marker will be placed at the center of the on-site burial trench. The marker will meet the minimum material and information requirements of 19.15.17.13.F.(3) NMAC.

Other Well Location Markers

After wells CC14 and CC14X have been properly plugged and abandoned and final reclamation of the drilling location has been completed, markers meeting the minimum material and information requirements of 19.15.25.10.B. NMAC will be placed in the exact locations the wells.



NOTES:

REVISIONS				
△				
△				
△				
△				
△				
△				
△	ISSUED FOR TESTING	3/23/16	CEK	

KINDER MORGAN
CO₂ COMPANY, L.P.

17801 HWY. 491
CORTEZ, CO 81321
SITE LOCATION:

FIGURE 1 - SITE PLAN
CC14 & CC14X WELL LOCATION
TEMPORARY DRILLING PIT CLOSURE PLAN
CATRON COUNTY, NEW MEXICO

DRAWN BY: CEK	3/16/2016	REVIEWED BY:		SCALE: 1"=60'
CHECKED BY:		APPROVED BY:		DRAWING NUMBER WP-CC14,CC14X-SOIL



75 Suttle Street
Durango, CO 81303
970.247.4220 Phone
970.247.4227 Fax
www.greenanalytical.com

09 March 2016

Michael Hannigan
Kinder Morgan
17801 Hwy 491
Cortez, CO 81321
RE: Misc.

Enclosed are the results of analyses for samples received by the laboratory on 02/12/16 11:05.
If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads 'Debbie Zufelt'. The script is cursive and fluid, with the first name 'Debbie' and last name 'Zufelt' clearly legible.

Debbie Zufelt
Reports Manager

All accredited analytes contained in this report are denoted by an asterisk (*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water.

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8.



Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CC14XS	1602107-01	Solid	02/11/16 14:10	02/12/16 11:05
CC14XN	1602107-02	Solid	02/11/16 14:20	02/12/16 11:05
CC14E	1602107-03	Solid	02/11/16 14:30	02/12/16 11:05
CC14W	1602107-04	Solid	02/11/16 14:40	02/12/16 11:05

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

CC14XS

1602107-01 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	81.2			%	1	02/24/16	ASA#9 & SSSA#5	H2	LLG
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Soluble (DI Water Extraction)

Chloride	6540	493	25.6	mg/kg dry	400	02/25/16	EPA300.0		JDA
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Subcontracted -- Cardinal Laboratories

Organic Compounds

TPH 418.1	911	100	13.5	mg/kg	10	03/09/16	418.1		CK
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	02/19/16	8021B		MS
Toluene*	1.60	0.050	0.006	mg/kg	50	02/19/16	8021B		MS
Ethylbenzene*	<0.050	0.050	0.017	mg/kg	50	02/19/16	8021B		MS
Total Xylenes*	<0.150	0.150	0.043	mg/kg	50	02/19/16	8021B		MS
Total BTEX	1.60	0.300	0.070	mg/kg	50	02/19/16	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.6-140 02/19/16 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	2.59	mg/kg	1	02/17/16	8015B		MS
DRO >C10-C28	61.1	10.0	5.51	mg/kg	1	02/17/16	8015B		MS
EXT DRO >C28-C35	72.5	10.0	5.51	mg/kg	1	02/17/16	8015B		MS

Surrogate: 1-Chlorooctane 101 % 35-147 02/17/16 8015B MS

Surrogate: 1-Chlorooctadecane 113 % 28-171 02/17/16 8015B MS

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

CC14XN

1602107-02 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	71.7			%	1	02/24/16	ASA#9 & SSSA#5	H2	LLG
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Soluble (DI Water Extraction)

Chloride	2400	112	5.80	mg/kg dry	80	02/25/16	EPA300.0		JDA
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Subcontracted -- Cardinal Laboratories

Organic Compounds

TPH 418.1	1530	100	13.5	mg/kg	10	03/09/16	418.1		CK
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	02/19/16	8021B		MS
Toluene*	0.975	0.050	0.006	mg/kg	50	02/19/16	8021B		MS
Ethylbenzene*	<0.050	0.050	0.017	mg/kg	50	02/19/16	8021B		MS
Total Xylenes*	<0.150	0.150	0.043	mg/kg	50	02/19/16	8021B		MS
Total BTEX	0.975	0.300	0.070	mg/kg	50	02/19/16	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.6-140 02/19/16 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	2.59	mg/kg	1	02/17/16	8015B		MS
DRO >C10-C28	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS
EXT DRO >C28-C35	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS

Surrogate: 1-Chlorooctane 98.6 % 35-147 02/17/16 8015B MS

Surrogate: 1-Chlorooctadecane 108 % 28-171 02/17/16 8015B MS

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

CC14E

1602107-03 (Solid)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	74.3			%	1	02/24/16	ASA#9 & SSSA#5	H2	LLG
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Soluble (DI Water Extraction)

Chloride	7940	538	27.9	mg/kg dry	400	02/25/16	EPA300.0		JDA
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Subcontracted -- Cardinal Laboratories

Organic Compounds

TPH 418.1	1040	100	13.5	mg/kg	10	03/09/16	418.1		CK
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	02/19/16	8021B		MS
Toluene*	0.889	0.050	0.006	mg/kg	50	02/19/16	8021B		MS
Ethylbenzene*	<0.050	0.050	0.017	mg/kg	50	02/19/16	8021B		MS
Total Xylenes*	<0.150	0.150	0.043	mg/kg	50	02/19/16	8021B		MS
Total BTEX	0.889	0.300	0.070	mg/kg	50	02/19/16	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140 02/19/16 8021B MS

Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	2.59	mg/kg	1	02/17/16	8015B		MS
DRO >C10-C28	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS
EXT DRO >C28-C35	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS

Surrogate: 1-Chlorooctane 89.7 % 35-147 02/17/16 8015B MS

Surrogate: 1-Chlorooctadecane 97.6 % 28-171 02/17/16 8015B MS

Green Analytical Laboratories

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

CC14W**1602107-04 (Solid)**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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General Chemistry

% Dry Solids	65.7			%	1	02/24/16	ASA#9 & SSSA#5	H2	LLG
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Soluble (DI Water Extraction)

Chloride	10100	609	31.6	mg/kg dry	400	02/25/16	EPA300.0		JDA
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Subcontracted -- **Cardinal Laboratories**

Organic Compounds

TPH 418.1	528	100	13.5	mg/kg	10	03/09/16	418.1		CK
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	0.005	mg/kg	50	02/19/16	8021B		MS
Toluene*	0.349	0.050	0.006	mg/kg	50	02/19/16	8021B		MS
Ethylbenzene*	<0.050	0.050	0.017	mg/kg	50	02/19/16	8021B		MS
Total Xylenes*	<0.150	0.150	0.043	mg/kg	50	02/19/16	8021B		MS
Total BTEX	0.349	0.300	0.070	mg/kg	50	02/19/16	8021B		MS

Surrogate: 4-Bromofluorobenzene (PID)	107 %	73.6-140				02/19/16	8021B		MS
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Petroleum Hydrocarbons by GC FID

GRO C6-C10	<10.0	10.0	2.59	mg/kg	1	02/17/16	8015B		MS
DRO >C10-C28	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS
EXT DRO >C28-C35	<10.0	10.0	5.51	mg/kg	1	02/17/16	8015B		MS

Surrogate: 1-Chlorooctane	89.6 %	35-147				02/17/16	8015B		MS
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Surrogate: 1-Chlorooctadecane	99.7 %	28-171				02/17/16	8015B		MS
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Debbie Zufelt

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B602186 - General Prep - Wet Chem

Duplicate (B602186-DUP1) Source: 1602107-01 Prepared & Analyzed: 02/24/16

% Dry Solids	82.3		%		81.2			1.42	20	
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Soluble (DI Water Extraction) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B602184 - General Prep - Wet Chem

Blank (B602184-BLK1) Prepared: 02/24/16 Analyzed: 02/26/16

Chloride	ND	1.00	mg/kg wet							
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LCS (B602184-BS1) Prepared: 02/24/16 Analyzed: 02/25/16

Chloride	108	4.00	mg/kg wet	100		108	85-115			
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LCS Dup (B602184-BSD1) Prepared: 02/24/16 Analyzed: 02/25/16

Chloride	108	4.00	mg/kg wet	100		108	85-115	0.148	20	
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Organic Compounds - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6030803 - Solvent Extraction

Blank (6030803-BLK1) Prepared: 03/08/16 Analyzed: 03/09/16

TPH 418.1	ND	100	mg/kg							
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LCS (6030803-BS1) Prepared: 03/08/16 Analyzed: 03/09/16

TPH 418.1	5820	100	mg/kg	5000		116	70-130			
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LCS Dup (6030803-BSD1) Prepared: 03/08/16 Analyzed: 03/09/16

TPH 418.1	5790	100	mg/kg	5000		116	70-130	0.551	20	
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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6021901 - Volatiles**Blank (6021901-BLK1)**

Prepared & Analyzed: 02/19/16

Surrogate: 4-Bromofluorobenzene (PID)	0.0534		mg/kg	0.0500		107	73.6-140			
Benzene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

LCS (6021901-BS1)

Prepared & Analyzed: 02/19/16

Surrogate: 4-Bromofluorobenzene (PID)	0.0525		mg/kg	0.0500		105	73.6-140			
Benzene	2.04	0.050	mg/kg	2.00		102	82.6-122			
Ethylbenzene	1.82	0.050	mg/kg	2.00		91.1	65.4-131			
Toluene	2.01	0.050	mg/kg	2.00		101	72.9-122			
Total Xylenes	5.64	0.150	mg/kg	6.00		94.0	73.8-125			

LCS Dup (6021901-BSD1)

Prepared & Analyzed: 02/19/16

Surrogate: 4-Bromofluorobenzene (PID)	0.0514		mg/kg	0.0500		103	73.6-140			
Benzene	2.06	0.050	mg/kg	2.00		103	82.6-122	0.658	8.23	
Ethylbenzene	1.82	0.050	mg/kg	2.00		91.0	65.4-131	0.118	9.46	
Toluene	2.02	0.050	mg/kg	2.00		101	72.9-122	0.555	8.71	
Total Xylenes	5.63	0.150	mg/kg	6.00		93.8	73.8-125	0.224	8.66	

Green Analytical Laboratories

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 6021705 - General Prep - Organics

Blank (6021705-BLK1)

Prepared & Analyzed: 02/17/16

Surrogate: 1-Chlorooctadecane	58.4		mg/kg	50.0		117	28-171			
Surrogate: 1-Chlorooctane	54.1		mg/kg	50.0		108	35-147			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							

LCS (6021705-BS1)

Prepared & Analyzed: 02/17/16

Surrogate: 1-Chlorooctadecane	60.9		mg/kg	50.0		122	28-171			
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	35-147			
DRO >C10-C28	238	10.0	mg/kg	200		119	78.3-122			
GRO C6-C10	224	10.0	mg/kg	200		112	76.7-115			
Total TPH C6-C28	462	10.0	mg/kg	400		116	79.8-117			

LCS Dup (6021705-BSD1)

Prepared & Analyzed: 02/17/16

Surrogate: 1-Chlorooctadecane	45.1		mg/kg	50.0		90.2	28-171			
Surrogate: 1-Chlorooctane	50.4		mg/kg	50.0		101	35-147			
DRO >C10-C28	197	10.0	mg/kg	200		98.5	78.3-122	18.8	13.2	QR-02
GRO C6-C10	209	10.0	mg/kg	200		104	76.7-115	7.24	9.42	
Total TPH C6-C28	406	10.0	mg/kg	400		101	79.8-117	13.0	10.7	QR-02

Green Analytical Laboratories

Debbie Zufelt, Reports Manager

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Kinder Morgan
17801 Hwy 491
Cortez CO, 81321

Project: Misc.
Project Name / Number: Cottonwood Canyon
Project Manager: Michael Hannigan

Reported:
03/09/16 16:02

Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

H2 Sample analysis performed past hold time specified by the method.

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
*Results reported on as received basis unless designated as dry.

RPD Relative Percent Difference

LCS Laboratory Control Sample (Blank Spike)

RL Report Limit

MDL Method Detection Limit

Green Analytical Laboratories

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NOTES:

1) Ensure proper container packaging

2) Ship samples promptly following collection.

3) Designate Sample Reject Disposition

PO#

Project Name: Cottonwood Canyon

Samplers Signature: Michael H. H.

Table 1. – Matrix Type

1 = Surface Water, 2 = Ground Water
3 = Soil/Sediment, 4 = Rinsate, 5 = Oil
6 = Waste, 7 = Other (Specify) _____

FOR GAL USE ONLY

GAL JOB #

1602-157

Page 1 of 1

Page 11 of 12

CHAIN OF CUSTODY RECORD

(970) 247-4220 FAX (970) 247-4227

www.greenanalytical.com

Analyses Required

#1 olive

5.800

Comments

Lab Name: Green Analytical Laboratories (970) 247-4220 FAX (970) 247-4227											
Address: 75 Suttle Street, Durango, CO 81303 www.greenanalytical.com											
Sample ID	Collection		Date	Time	Collected by: (Init.)	Miscellaneous			Preservative(s)		
						Matrix Type From Table 1	No. of Containers	Sample Filtered ? Y/N			
1. CC14X5	2/11/16	14:10	MT	3	2	2	X		NMCD TABLE II SOIL		
2. CC14XN		14:20					X				
3. CC14E		14:30					X				
4. CC14M		14:40					X				
5.											
6.											
7.											
8.											
9.											
10.											
Reinquished by: M. A. O'Neil					Date: 2/12/16	Time: 11:05	Received by: D. A. O'Neil			Date: 2-12-16	Time: 11:05
Reinquished by:					Date:	Time:	Received by:			Date:	Time:

* Sample Reject: [] Return [] Dispose [] Store (30 Days)

51-100 feet	Chloride	or 8015M EPA Method 300.0	40,000 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg
> 100 feet	Chloride	EPA Method 300.0	80,000 mg/kg
	TPH	EPA SW-846 Method 418.1	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8015M	10 mg/kg

*Or other test methods approved by the division

**Numerical limits or natural background level, whichever is greater

[19.15.17.13 NMAC - Rp, 19.15.17.13 NMAC, 6/28/13]

19.15.17.14 EMERGENCY ACTIONS:

- A. Permit not required. In an emergency an operator may construct a pit without a permit to contain fluids, solids or wastes, if an immediate danger to fresh water, public health or the environment exists.
- B. Construction standards. The operator shall construct an emergency pit, to the extent possible given the emergency, in a manner that is consistent with the requirements for a temporary pit specified in 19.15.17 NMAC and that prevents the contamination of fresh water and protects public health and the environment.
- C. Notice. The operator shall notify the appropriate division district office as soon as possible (if possible before construction begins) of the need for such pit's construction.
- D. Use and duration. A pit constructed in an emergency may be used only for the emergency's duration. If the emergency lasts more than 48 hours, then the operator shall seek the appropriate division district office's approval for the pit's continued use. The operator shall remove all fluids, solids or wastes within 48 hours after cessation of use unless the appropriate division district office extends that time period.

[19.15.17.14 NMAC - Rp, 19.15.17.14 NMAC, 6/28/13]

19.15.17.15 EXCEPTIONS AND VARIANCES:

- A. Variances.
 - (1) An operator shall demonstrate with a complete application to the appropriate division district office that the requested variance provides equal or better protection of fresh water, public health and the environment. The appropriate division district office shall approve or deny the variance within 60 days of receipt of the complete application.
 - (2) If the appropriate division district office denies the variance then it shall notify the operator within 60 days of receipt of the complete application for the reasons of denial by certified mail, return receipt requested. If the operator requests a hearing within 10 days after receipt of such notice, the division shall set the matter for hearing, with notice to the operator and the appropriate division district office.
 - (3) An application for a variance shall include:
 - (a) a statement in detail explaining why the applicant wants to vary from the requirement of 19.15.17 NMAC, and
 - (b) a detailed written demonstration that the variance will provide equal or better protection of fresh water, public health and the environment.
 - (4) If a variance goes to hearing pursuant to Paragraph (2) of Subsection A of 19.15.17.15 NMAC, in addition to the hearing process required by 19.15.4 NMAC, the application for hearing shall include:
 - (a) a copy of the complete application submitted for a variance under Paragraph (3) of Subsection A of 19.15.17.15 NMAC;
 - (b) proof of notification to the surface owner of the location of the requested variance.
 - (5) The division clerk will set the application for hearing as soon as practicable.
- B. Exceptions.
 - (1) An operator may apply to the division's Santa Fe office for an exception that is allowed by a provision of 19.15.17 NMAC.
 - (2) The operator shall give written notice by certified mail, return receipt requested, to:
 - (a) the surface owner of record where the exception is requested, or will be located;
 - (b) surface owners of record within one-half mile of such location;

From: Lowe, Leonard, EMNRD
To: ["Hannigan, Michael"](#); [Millican, Chris](#); [White, Thomas](#)
Cc: [Jones, William V, EMNRD](#); [Griswold, Jim, EMNRD](#)
Subject: APPROVED DEEP TRENCH (C14/CC14X Pit Closure Plans)
Date: Friday, April 15, 2016 3:15:00 PM
Importance: High

Mr. Hannigan,

OCD Santa Fe approves the deep trench construction and burial of cuttings from API # 30-003-20041 [CC 14] and API # 30-003-20042 [CC 14X].

The previously approved C-144's for CC14 and CC14X shall still be adhered to, where applicable. For pit closure. Any noted release shall be address via an initial C-141.

The approved C-144 (dated 04.15.16) are for the NEW DEEP TRENCH and the placement of contents from CC14 and CC14X.

Your approved C-144's are located on our website:

<http://ocdimage.emnrd.state.nm.us/imaging/WellFileCriteria.aspx>

Leonard Lowe

Engineering Bureau

Oil Conservation Division

Energy Minerals and Natural Resources Department

1220 South St. Frances

Santa Fe, New Mexico 87004

Office: 505-476-3492

Fax: 505-476-3462

E-mail: leonard.lowe@state.nm.us

Website: <http://www.emnrd.state.nm.us/ocd/>

From: Hannigan, Michael [mailto:Michael_Hannigan@kindermorgan.com]

Sent: Thursday, April 14, 2016 3:43 PM

To: Lowe, Leonard, EMNRD <Leonard.Lowe@state.nm.us>

Cc: Millican, Chris <Chris_Millican@kindermorgan.com>; White, Thomas
<Thomas_White@kindermorgan.com>

Subject: CC14/CC14X Pit Closure Plans

Leonard,

Attached please find electronic copies of the Form C-144 pit closure plans for the CC14/CC14X well location. I have revised the forms and protocols/procedures based on our telephone conversation earlier this afternoon. I would appreciate it if you could cc: Chris Millican and Tom White (see email addresses above) with copies of the approved plans. Please let me know ASAP if you need any other modifications to the forms or the plans. Thanks again for your help,

Mike

Michael Hannigan, P.E.

Senior EHS Specialist



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