

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Department  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-144  
July 21, 2008

For temporary pits, closed-loop systems, and below-grade tanks, submit to the appropriate NMOCD District Office.  
For permanent pits and exceptions submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

16226  
Pit, Closed-Loop System, Below-Grade Tank, or  
Proposed Alternative Method Permit or Closure Plan Application

- Type of action:  Permit of a pit, closed-loop system, below-grade tank, or proposed alternative method  
 Closure of a pit, closed-loop system, below-grade tank, or proposed alternative method  
 Modification to an existing permit  
 Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

**Instructions: Please submit one application (Form C-144) per individual pit, closed-loop system, below-grade tank or alternative request**

Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.

1.  
Operator: Coleman Oil & Gas, Inc. OGRID #: 4838  
Address: P.O. Drawer 3337, Farmington, NM 87499  
Facility or well name: Juniper West 24#42  
API Number: 30-045-33591 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr H Section 24 Township T24N Range R11W County: San Juan  
Center of Proposed Design: Latitude N36.30136 Longitude W-107.94813 NAD:  1927  1983  
Surface Owner:  Federal  State  Private  Tribal Trust or Indian Allotment

2.  
 **Pit:** Subsection F or G of 19.15.17.11 NMAC  
Temporary:  Drilling  Workover  
 Permanent  Emergency  Cavitation  P&A  
 Lined  Unlined Liner type: Thickness 20 mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
 String-Reinforced  
Liner Seams:  Welded  Factory  Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

OIL CONS. DIV DIST. 3  
JAN 31 2010

3.  
 **Closed-loop System:** Subsection H of 19.15.17.11 NMAC  
Type of Operation:  P&A  Drilling a new well  Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent)  
 Drying Pad  Above Ground Steel Tanks  Haul-off Bins  Other \_\_\_\_\_  
 Lined  Unlined Liner type: Thickness \_\_\_\_\_ mil  LLDPE  HDPE  PVC  Other \_\_\_\_\_  
Liner Seams:  Welded  Factory  Other \_\_\_\_\_

4.  
 **Below-grade tank:** 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 \_\_\_\_\_

5.  
 **Alternative Method:**  
Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.

6. **Fencing:** Subsection D of 19.15.17.11 NMAC (*Applies to permanent pits, temporary pits, and below-grade tanks*)

Chain link, six feet in height, two strands of barbed wire at top (*Required if located within 1000 feet of a permanent residence, school, hospital, institution or church*)

Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify \_\_\_\_\_

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

Screen  Netting  Other \_\_\_\_\_

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

8. **Signs:** Subsection C of 19.15.17.11 NMAC

12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers

Signed in compliance with 19.15.3.103 NMAC

9. **Administrative Approvals and Exceptions:**  
 Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.  
**Please check a box if one or more of the following is requested, if not leave blank:**

Administrative approval(s): Requests must be submitted to the appropriate division district or the Santa Fe Environmental Bureau office for consideration of approval.

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

10. **Siting Criteria (regarding permitting):** 19.15.17.10 NMAC  
**Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptable source material are provided below. Requests regarding changes to certain siting criteria may require administrative approval from the appropriate district office or may be considered an exception which must be submitted to the Santa Fe Environmental Bureau office for consideration of approval. Applicant must attach justification for request. Please refer to 19.15.17.10 NMAC for guidance. Siting criteria does not apply to drying pads or above-grade tanks associated with a closed-loop system.**

Ground water is less than 50 feet below the bottom of the temporary pit, permanent pit, or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<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. ( <i>Applies to temporary, emergency, or cavitation pits and below-grade tanks</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. ( <i>Applies to permanent pits</i> ) - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database search; 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	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within 500 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 the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input type="checkbox"/> No

11. **Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC  
**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC  
 Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC  
 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_ or Permit Number: \_\_\_\_\_

12. **Closed-loop Systems Permit Application Attachment Checklist:** Subsection B of 19.15.17.9 NMAC  
**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Geologic and Hydrogeologic Data (only for on-site closure) - based upon the requirements of Paragraph (3) of Subsection B of 19.15.17.9  
 Siting Criteria Compliance Demonstrations (only for on-site closure) - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

Previously Approved Design (attach copy of design)    API Number: \_\_\_\_\_

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

13. **Permanent Pits Permit Application Checklist:** Subsection B of 19.15.17.9 NMAC  
**Instructions:** Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are attached.

Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC  
 Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Climatological Factors Assessment  
 Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Quality Control/Quality Assurance Construction and Installation Plan  
 Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC  
 Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Nuisance or Hazardous Odors, including H<sub>2</sub>S, Prevention Plan  
 Emergency Response Plan  
 Oil Field Waste Stream Characterization  
 Monitoring and Inspection Plan  
 Erosion Control Plan  
 Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC

14. **Proposed Closure:** 19.15.17.13 NMAC  
**Instructions:** Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.

Type:  Drilling    Workover    Emergency    Cavitation    P&A    Permanent Pit    Below-grade Tank    Closed-loop System  
 Alternative

Proposed Closure Method:  Waste Excavation and Removal  
 Waste Removal (Closed-loop systems only)  
 On-site Closure Method (Only for temporary pits and closed-loop systems)  
 In-place Burial    On-site Trench Burial  
 Alternative Closure Method (Exceptions must be submitted to the Santa Fe Environmental Bureau for consideration)

15. **Waste Excavation and Removal Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings)  
 Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

16. **Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:** (19.15.17.13.D NMAC)  
**Instructions:** Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two facilities are required.

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_  
 Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Will any of the proposed closed-loop system operations and associated activities occur on or in areas that *will not* be used for future service and operations?  
 Yes (If yes, please provide the information below)  No

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

Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

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

Ground water is less than 50 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
Ground water is between 50 and 100 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" 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 checked="" type="checkbox"/> No
Within 500 horizontal feet of a private, domestic fresh water well or spring that less than five households use for domestic or stock watering purposes, or within 1000 horizontal feet of any other fresh water well or spring, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	<input type="checkbox"/> Yes <input checked="" 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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 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 checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within a 100-year floodplain. - FEMA map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

18. **On-Site Closure Plan Checklist:** (19.15.17.13 NMAC) **Instructions:** Each of the following items must be attached to the closure plan. Please indicate, by a check mark in the box, that the documents are attached.

Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC  
 Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
 Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC  
 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC  
 Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC  
 Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
 Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC  
 Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)  
 Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC  
 Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC  
 Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19.15.17.13 NMAC

19.

**Operator Application Certification:**

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

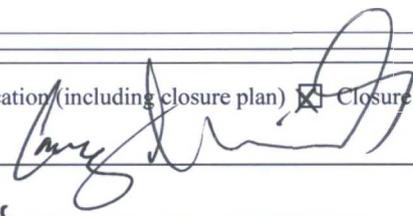
Name (Print): \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

e-mail address: \_\_\_\_\_ Telephone: \_\_\_\_\_

20.

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

OCD Representative Signature:  Approval Date: 2/9/18

Title: Environmental Spec OCD Permit Number: \_\_\_\_\_

21.

**Closure Report (required within 60 days of closure completion):** Subsection K of 19.15.17.13 NMAC

*Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed.*

Closure Completion Date: \_\_\_\_\_

22.

**Closure Method:**

- Waste Excavation and Removal  On-Site Closure Method  Alternative Closure Method  Waste Removal (Closed-loop systems only)
- If different from approved plan, please explain.

23.

**Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only:**

*Instructions: Please identify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.*

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Disposal Facility Name: \_\_\_\_\_ Disposal Facility Permit Number: \_\_\_\_\_

Were the closed-loop system operations and associated activities performed on or in areas that *will not* be used for future service and operations?

- Yes (If yes, please demonstrate compliance to the items below)  No

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

- Site Reclamation (Photo Documentation)
- Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique

24.

**Closure Report Attachment Checklist:** *Instructions: Each of the following items must be attached to the closure report. Please indicate, by a check mark in the box, that the documents are attached.*

- Proof of Closure Notice (surface owner and division)
- Proof of Deed Notice (required for on-site closure)
- 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 N36.30136 Longitude W-107.94813 NAD:  1927  1983

25.

**Operator Closure Certification:**

I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.

Name (Print): Michael T. Hanson Title: Operations Engineer

Signature:  Date: 1/30/2018

e-mail address: mhanon@cog-fmn.com Telephone: (505) 327-0356

**Lease Name:** Juniper West 24 #42  
**API No.:** API # 30-045-33591  
**Description:** H, Section 24, T24N, R11W

In accordance with Pit Rule NMAC the following information describes the closure of the temporary pit referenced above. All proper documentation regarding closure activities is being included with the C-144.

- Proof of Closure Notice
- Proof of Deed Notice
- Plot Plan
- C-105
- Sampling Results
- Details on Soil Backfilling and Cover Installation
- Re-vegetation Application Rates and Seeding Technique
- Site Reclamation Photos (Including Steel Marker)

1. All free standing liquids will be removed at the start of the pit closure process from the pit and disposed of in a division-approved facility or recycled, reused, or reclaimed in a manner that the Aztec Division office approves.

**Fluids were pulled from reserve pit and sent to an approved disposal.**

2. The referred method of closure for all temporary pits will be on-site, in-place burial, assuming that all criteria listed in Subsection (B) of 19.15.17.13 are met.

**On-site in-place burial was approved by the Aztec office on April 06, 2009.**

3. The surface owner shall be notified of Coleman Oil and Gas proposed closure plan using a means that provided proof of notice, i.e., Certified Mail, return receipt requested.

**Surface Owner Navajo Nation and BLM Farmington office was notified of Coleman's proposed closer plan in the Surface Use Plan of APD process and again by sundry notice dated December 22, 2011.**

4. Within 6 months of Rig Off status occurring Coleman Oil and Gas will ensure that temporary pits are closed, re-contoured, and reseeded.

**Released Rotary Tools on July 10, 2011; Reserve pit was reclaimed and re-contoured February 28, 2012.**

5. Notice of Closure will be given to the Aztec Division office between 72 hours and one week of closure via email, or verbally. The notification of closure will include the following:
  - i. Operator's Name
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, Range

**Aztec OCD was given notice of temporary pit closer via email on January 10, 2012.**

6. Pit contents shall be mixed with non-waste containing, earthen material in order to achieve appropriate solidification. The solidification process will be accomplished using a combination of natural drying and mechanically mixing. Pit contents will be mixed with non-waste, earthen material to a consistency that is deemed as safe and stable. The mixing ratio shall not exceed 3 parts clean soil to 1 part contents.

**Pit contents were mixed with non-waste containing earthen material in order to achieve appropriate solidification. The solidification process was accomplished using a combination of natural drying and mechanically mixing using a dozer and track-hoe. Pit contents were mixed with non-waste material to a consistency that was deemed safe and stable. The mixing ration did not exceed three parts clean soil to one part pit contents.**

7. Liner of temporary pit shall be removed above "mud level" after stabilization. Removal of liner will consist of manually or mechanically cutting liner at mud level and removing all remaining liner. Care will be taken to remove "ALL" of the liner i.e., edges of liner entrenched or buried. All excessive liner will be disposed of at a licensed disposal facility.

**Liner of temporary pit was removed within six inches of mud line. After removal of pit liner it was hauled to and disposed of at the San Juan County Land Farm.**

8. A five point composite sample will be taken using sampling tools and all samples tested per Subsection B of 19.15.17.13(B)(1)(b). In the event that the criteria are not met, all contents will be handled per Subparagraph (a) of Paragraph (1) of Subsection B of 19.15.17.13 i.e. dig and haul. Disposal facilities to be utilized should this method be required will be Envirotech Permit No. NM01-0011 or IEI, Permit No. NM01-0010B.

**A five point composite sample was taken and submitted to Envirotech, see attached analysis.**

9. Upon completion of solidification and testing, the pit area will be backfilled and compacted, non-waste containing earthen material. 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.

**Upon completion of solidification and testing, the pit area was backfilled with compacted, non-waste containing, earthen material. A minimum of four feet of cover was achieved and the cover included just one foot of background topsoil suitable for establishing vegetation at the site.**

10. Re-contouring of the location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, ponding prevention, and erosion prevention. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with a smooth surface, fitting the natural landscape.

**Re-contouring of location matches fit, shape, line form and texture of the surrounding area. Re-shaping of the location included drainage control, ponding prevention and erosion prevention. Natural drainages were unimpeded and water bars and/or silt traps were placed in areas where needed to prevent erosion on a large scale.**

11. Notification will be sent to OCD when the reclaimed area is seeded.

**Notification via copy of BLM sundry after seeding will be sent to Aztec OCD office.**

12. Coleman Oil and Gas shall seed the disturbed areas the first growing season after the pit is closed. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM of Forest Service stipulated seed mixes will be 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.

**Notification via copy of BLM sundry after reclaimed area successfully achieves re-vegetation for two successive growing seasons will be sent to Aztec OCD office.**

13. The temporary pit will be located with a steel marker, no less than four inches in diameter, cemented in a hole three feet deep in the center of the on-site burial upon the abandonment of all the wells on the pad. The marker will be

flush with the ground to allow access of the active well pad and for safety concerns. The marker will include a threaded collar to be used for future abandonment. The top of the marker will contain a welded steel 12" square plate that indicates the onsite burial of the temporary pit. The plate will be easily removable and a four foot riser will be threaded into the top of the collar marker and welded around the base with the operator's information at the time of the wells on the pad are abandoned. The operator's information will include the following: Operator's Name, Lease Name, Well Name and Number, Unit Number, Section, Township, Range and an indicator that the marker is an on-site burial location.

**The temporary pit was located with a steel marker four inches in diameter, cemented in a hole three feet deep in the center of the onsite burial with a threaded collar on top. The following information was welded on a twelve inch by twelve inch plate and screwed into a four inch collar (Coleman Oil & Gas, Inc., Juniper West 24 #42, Unit H, Section 24, T24N, R11W).**

14. Coleman Oil and Gas shall file a deed notice identifying the exact location of the on-site burial with the county clerk in the county where the on-site burial occurs.

**Temporary pit closer notification was sent to surface owner via certified mail and a deed notice was filed with the San Juan County Clerks Office.**

# Proof of Closure Notice

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RCVD JAN 5 '12

FORM APPROVED  
OMB No. 1013-0137  
Expires March 31, 2007  
OIL CONS. DIV.

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**RECEIVED**  
DEC 23 2011

Lease Serial No  
NMNM 104609  
DIST. 3

6 If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE- Other instructions on reverse side of form**

1 Type of Well  
 Oil Well  Gas Well  Other

2 Name of Operator  
Coleman Oil & Gas, Inc.

3a Address  
P.O. Drawer 3337

3b Phone No (include area code)  
505-327-0356

4 Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1700' FNL, 700' FEL H, Section 24, T24N, R11W Latitude 36.301361°. Longitude 107.948111°

7 If Unit or CA/Agreement, Name and/or No

8 Well Name and No  
Juniper West 24 #42

9 API Well No.  
30-045-33591

10 Field and Pool, or Exploratory Area  
Basin Fruitland Coal

11 County or Parish, State  
San Juan, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COLEMAN OIL & GAS, INC. PLANS ON RECLAIMING RESERVE PIT IN THE NEXT SEVERAL WEEKS, SEE ATTACHED INFORMATION.

COLEMAN OIL & GAS, INC. WOULD LIKE TO REQUEST A SIX MONTH EXTENSION TO COMPLETE THIS WELL, WE ARE CURRENTLY WORKING ON TRYING TO INCREASE DISPOSAL CAPACITY.

SPUD WELL JUNE 16, 2011

14 I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

MICHAEL T. HANSON

Title OPERATIONS ENGINEER

Signature

*Michael T. Hanson*

Date

12/22/2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

*Mark Kelly*

Title

ENVIRONMENTAL COMPLIANCE TEAM LEAD

Date

1-4-12

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD *AV*

Reserve Pit Closer Plan

Coleman Oil & Gas, Inc. plans to close reserve pit as follows.

1. Sample soil, five point composite sample for Benzene, BTEX, TPH- (GRO & DRO), TPH and Chloride.
2. Notify Aztec Office OCD, Brandon Powell, (505) 334 6178 EX 15 and BLM Environmental Protection Staff (505) 599-8900 seventy two hours prior to reserve pit reclamation.
3. Remove all free liquid from reserve pit.
4. Remove temporary fence.
5. Remove pit liner within six inches of mud line and haul to San Juan County Land Farm.
6. Mix contents of reserve pit at a ratio less than three to one.
7. Cover reserve pit with four feet of compacted soil. Install top soil on top of compacted soil.
8. Install four inch marker at center of on site burial thirty six inches deep with a threaded collar on top. The following information to be stamped on twelve inch by twelve inch plate and screwed into four inch collar (operator name, lease name, well number, and location description). Location description to include unit letter, section, township and range.

Coleman Oil & Gas, Inc, plans on seeding reclamation shortly after completion phase.

Tribal Trust Wells:

Bonito 25 #1	API# 30-045-35000	Section 25, T24N, R11W
Juniper West 24 #42	API# 30-045-33591	Section 24, T24N, R11W
Juniper West 24 #44	API# 30-045-33595	Section 24, T24N, R11W

**From:** brian wood <brian@permitswest.com>  
**Subject:** Coleman Juniper West 24 #42  
**Date:** February 22, 2009 12:48:03 PM MST  
**To:** howarddraper@frontiernet.net



As required by NMOCD pit rule Subsection F of 19.15.17.13 NMAC, I am notifying the Navajo Nation as surface owner that Coleman plans to close its temporary (reserve) pit (after it is built and used) using on site closure (burial) in the same pit.

The well is staked at 1700 FNL & 700 FEL 24-24n-11w, San Juan County, NM.

The well is on lease NMNM-104609.

API # 30-045-33591

This was authorized by the Navajo Nation under SAS DNR-12139 in December, 2008.

Please call me if you have any questions.

Brian Wood  
Permits West, Inc.  
37 Verano Loop, Santa Fe, NM 87508  
Phone: 505 466-8120  
FAX: 505 466-9682

EXHIBIT J

**Mike Hanson**

---

**From:** "Mike Hanson" <mhanson@cog-fmn.com>  
**To:** "Brandon Powell" <Brandon.Powell@state.nm.us>; "Mark Kelly" <mkelly@blm.gov>  
**Cc:** "Jonathan Kelly" <Jonathan.Kelly@state.nm.us>  
**Sent:** Tuesday, January 10, 2012 11:46 AM  
**Attach:** Bonito 25 #1 Reserve Pit Closer Plan.pdf; Juniper West 24 #42 Reserve Pit Closer Plan.pdf; Juniper West 24 #44 Reserve Pit Closer Plan.pdf  
**Subject:** Fw: Reserve Pit Closer

Gentlemen,

Dirt contractor is planning on moving in reclamation equipment to start reserve pit reclamation this Thursday. They are planning on starting as early as Friday Morning.

Juniper West 24 #42  
 API# 30-045-33591  
 1700' FNL & 700' FEL  
 H, Section 24, T24N, R11W  
 Latitude 36.301361, Longitude 107.948111  
 Lease No. NMNM 104609

Juniper West 24 #44  
 API# 30-045-33595  
 1100' FSL & 700' FEL  
 P, Section 24, T24N, R11W  
 Latitude 36.294583, Longitude 107.948139  
 Lease No. NMNM 104609

Bonito 25 #1  
 API# 30-045-35000  
 1350' FNL & 1130' FEL  
 H, Section 25, T24N, R11W  
 Latitude 36.28785, Longitude 107.94960  
 Lease No. NO-G-0411-1712

Let me know if you have any questions or concerns.

Thanks,

----- Original Message -----

**From:** Mike Hanson  
**To:** Brandon Powell  
**Cc:** Jonathan Kelly  
**Sent:** Thursday, December 22, 2011 1:31 PM  
**Subject:** Reserve Pit Closer

Brandon,

Coleman Oil & Gas, Inc., plans to reclaim the reserve pits on the locations listed below within the next several weeks. Please see attached Reserve Pit Closer Plans.

Juniper West 24 #42  
 API# 30-045-33591  
 1700' FNL & 700' FEL  
 H, Section 24, T24N, R11W  
 Latitude 36.301361, Longitude 107.948111  
 Lease No. NMNM 104609

Juniper West 24 #44  
API# 30-045-33595  
1100' FSL & 700' FEL  
P, Section 24, T24N, R11W  
Latitude 36.294583, Longitude 107.948139  
Lease No. NMNM 104609

Bonito 25 #1  
API# 30-045-35000  
1350' FNL & 1130' FEL  
H, Section 25, T24N, R11W  
Latitude 36.28785, Longitude 107.94960  
Lease No. NO-G-0411-1712

Let me know if you have any questions or concerns.

Michael T. Hanson  
Operations Engineer  
Coleman Oil & Gas, Inc.  
Office (505) 566-1996  
Mobile (505) 330 -2903  
Fax (505) 327-9425

# Proof of Deed Notice



**COLEMAN OIL & GAS, INC.**

**Michael Hanson**  
e-mail: [mhanson@cog-fmn.com](mailto:mhanson@cog-fmn.com)  
Direct Line: 505.564.5996

**CERTIFIED RETURN RECEIPT REQUESTED**  
**70171450000153001876**

Tuesday, January 30, 2018

The Navajo Nation  
Post Office Box 9000  
Window Rock, AZ 86515-9000

Attention: Mr. Howard Draper

**RE: PIT CLOSURE NOTIFICATION**  
**Township 24 North, Range 11 West**  
**Section 24: SE/4, NE/4**  
**Section 25: SE/4**

Please be advised that, in accordance with Section 19.15.17.13.F (1) (b) of the NMAC, Coleman Oil & Gas, Inc. as operator is hereby providing notice to the current surface owner of an on-site burial of a temporary pit at the following location(s):

<b>Well Name:</b>	Juniper West 24 #42
<b>API Number:</b>	30-045-33595
<b>Lease Number:</b>	NM NM 104609 (USA Minerals)
<b>Latitude (HDDD.DDDDD<sup>o</sup>):</b>	N 36.30136 <sup>o</sup>
<b>Longitude (HDDD.DDDDD<sup>o</sup>):</b>	W 107.98481 <sup>o</sup>
<b>Unit Letter ( ¼ ¼ )::</b>	P (SESE)
<b>Section:</b>	24
<b>Township:</b>	24 North
<b>Range:</b>	11 West
<b>County:</b>	San Juan
<b>State:</b>	New Mexico

<b>Well Name:</b>	Juniper West 24 #44
<b>API Number:</b>	30-045-33591
<b>Lease Number:</b>	NM NM 104609 (USA Minerals)
<b>Latitude (HDDD.DDDDD<sup>o</sup>):</b>	N 36.29463 <sup>o</sup>
<b>Longitude (HDDD.DDDDD<sup>o</sup>):</b>	W 107.94820 <sup>o</sup>

The Navajo Nation  
Attention: Mr. Howard Draper  
Tuesday, June 02, 2009  
Page 2

<b>Unit Letter ( ¼ ¼ ):</b>	H (SENE)
<b>Section:</b>	24
<b>Township:</b>	24 North
<b>Range:</b>	11 West
<b>County:</b>	San Juan
<b>State:</b>	New Mexico

<b>Well Name:</b>	Juniper West 25 #42
<b>API Number:</b>	30-045-35000
<b>Lease Number:</b>	NOG 04111712
<b>Latitude (HDDD.DDDDD<sup>0</sup>):</b>	N 36.28787°
<b>Longitude (HDDD.DDDDD<sup>0</sup>):</b>	W 107.94968°
<b>Unit Letter ( ¼ ¼ ):</b>	H (SENE)
<b>Section:</b>	25
<b>Township:</b>	24 North
<b>Range:</b>	11 West
<b>County:</b>	San Juan
<b>State:</b>	New Mexico

Sincerely,



Michael T Hanson  
Operations Engineer

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY														
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p>														
<p>1. Article Addressed to:</p> <p>The Navajo Nation Post Office Box 9000 Window Rock, AZ 86515-9000</p>	<p>B. Received by (Printed Name) <span style="float: right;">C. Date of Delivery</span></p>														
 <p>9590 9402 2920 7094 7237 82</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes if YES, enter delivery address below: <input type="checkbox"/> No</p>														
<p>2. Article Number (transfer from service label)</p> <p>7017 1450 0001 5300 1876</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> All Restricted Delivery</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> All Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery														
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
<input type="checkbox"/> All Restricted Delivery															

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

CERTIFIED MAIL®



7017 1450 0001 5300 1876

7017 1450 0001 5300 1876

U.S. Postal Service™  
CERTIFIED MAIL® RECEIPT  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®

OFFICIAL USE

<p>Certified Mail Fee \$ _____</p> <p>Extra Services &amp; Fees (check box, add fee as appropriate)</p> <p><input type="checkbox"/> Return Receipt (hardcopy) \$ _____</p> <p><input type="checkbox"/> Return Receipt (electronic) \$ _____</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery \$ _____</p> <p><input type="checkbox"/> Adult Signature Required \$ _____</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery \$ _____</p>	<p>Postmark Here</p>
<p>Postage \$ _____</p> <p>Total Postage and Fees \$ _____</p>	

Sent To The Navajo Nation

Street and Apt. No., or PO Box No. Post Office Box 9000

City, State, ZIP+4® Window Rock, AZ 86515 9000

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

STATE OF NEW MEXICO }  
 }  
COUNTY OF SAN JUAN }

**RECORDATION NOTICE OF PIT BURIAL**

In accordance with Section 19.15.17.13.F.1.f of the NMAC, operator hereby provides notice in the public record of an on-site burial of a temporary pit at the following location:

<b>Well Name:</b>	Juniper West 24 #42
<b>API Number:</b>	30-045-33595
<b>Latitude (HDDD.DDDDD<sup>o</sup>):</b>	N 36.30136 <sup>o</sup>
<b>Longitude (HDDD.DDDDD<sup>o</sup>):</b>	W 107.98481 <sup>o</sup>
<b>Unit Letter ( ¼ ¼ ):</b>	P (SESE)
<b>Section:</b>	24
<b>Township:</b>	24 North
<b>Range:</b>	11 West
<b>County:</b>	San Juan
<b>State:</b>	New Mexico

IN WITNESS WHEREOF, this Recordation Notice of Pit Burial has been executed on the date indicated below by the undersigned.

COLEMAN OIL & GAS, INC.

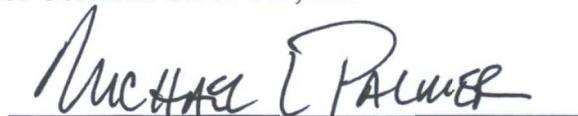
  
Michael T. Hanson – Operations Engineer



STATE OF NEW MEXICO }  
 }  
COUNTY OF SAN JUAN }

This instrument was acknowledged before me this 30<sup>th</sup> day of January, 2018, by Michael T. Hanson as Operations Engineer for Coleman Oil & Gas, Inc.

My Commission Expires:  
November 28, 2019

  
Michael Palmer – Notary Public

# Plot Plan

A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19.15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS.

RECEIVED

RCVD FEB 4 '09  
OIL CONS. DIV.

Form 3160-3  
(August 1999)

DEC 17 2007

FORM APPROVED  
OMB NO 1004-0136  
Expires November 30, 2000

UNITED STATES Bureau of Land Management  
DEPARTMENT OF THE INTERIOR Farmington Field Office  
BUREAU OF LAND MANAGEMENT  
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a TYPE OF WORK <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5 Lease Serial No. NM NM 104609
b TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE		6 If Indian, Allottee or Tribe Name
2 Name of Operator Coleman Oil & Gas, Inc.		7 If Unit or CA Agreement, Name and No
3a Address P.O. Drawer 3337, Farmington N.M. 87499		8 Lease Name and Well No Juniper West 24 #42
3b. Phone No. (include area code) (505) 327-0356		9 API Well No 30-045-33591
4 Location of well (Report location clearly and in accordance with any State requirements. *) At surface 1700' FNL, 700' FEL Latitude 36° 18' 04.9", Longitude 107° 56' 53.2" At proposed prod. zone		10 Field and Pool, or Exploratory Basin Fruitland Coal
14 DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* South East of Farmington New Mexico on County RD. 7610 approximately 50 miles.		11 Sec., T., R., M., or Blk. And Survey or Area H Section 24, T24N, R11W
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) 700	16 No. of Acres in lease 1120	17 Spacing Unit dedicated to this well 320 ACRES E/2.
18 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft NA	19 Proposed Depth 1245'	20 BLM/BIA Bond No. on file BLM Blacket Bond #08510612
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6502	22. Approximate date work will start* May-06	23. Estimated Duration 2 Weeks

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

- |   |   |
|---|---|
| 1 Well plat certified by a registered surveyor  | 4 Bond to cover the operations unless covered by existing bond on file(see item 20 above)             |
| 2 A Drilling Plan.  | 5 Operator certification.   |
| 3 A Surface Use Plan ( if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/ or plans as may be required by the a authorized officer. |

25 Signature <i>Michael T. Hanson</i>	Name (Printed/Typed) Michael T. Hanson	DATE 12-Feb-06
Title Operations Engineer		
Approved By (Signature) <i>[Signature]</i>	Name (Printed/Typed) FFO	DATE 2/3/09
Title FFO		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

\*See Instructions On Reverse Side

FEB 12 2009

NOTIFY AZTEC OCD 24 HRS.  
PRIOR TO CASING & CEMENT  
NMOCD

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATION ON FEDERAL AND INDIAN LANDS

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980  
DISTRICT II  
211 South First, Artesia, N.M. 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

RECEIVED

DEC 17 2007

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30 046 33591	<sup>2</sup> Pool Code 71629	<sup>3</sup> Farmington Pool Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 36668	<sup>5</sup> Property Name JUNIPER WEST 24	
<sup>7</sup> OGRID No. 4838	<sup>6</sup> Operator Name COLEMAN OIL & GAS, INC.	<sup>8</sup> Well Number 42
		<sup>9</sup> Elevation 6502

<sup>10</sup> Surface Location

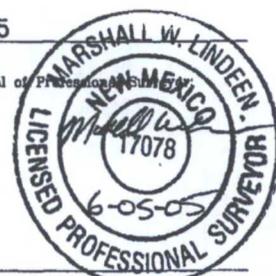
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	24 N	11 W		1700	NORTH	700	EAST	SAN JUAN

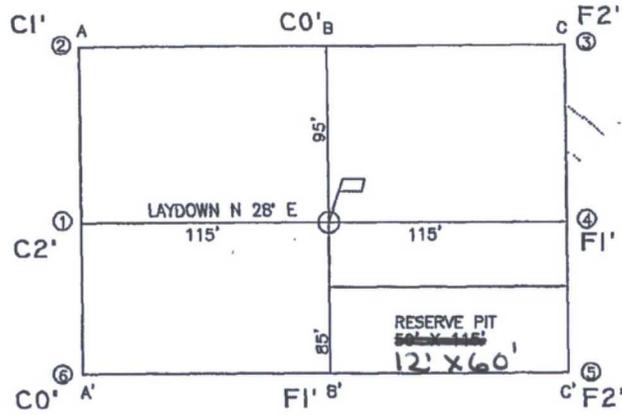
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320 Ac-E <sup>1</sup> / <sub>2</sub>	<sup>13</sup> Joint or Infill I	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
---	------------------------------------	----------------------------------	-------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup> N 89°37'23" W 2625.30' N 0°19'44" E 2635.01' N 0°15'26" E N 89°32'40" W 2614.84'	SECTION 24		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  <i>Michael F. Hanson</i> Signature Michael F. HANSON Printed Name Operations Engineer Title 2/12/06 Date  <sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.  5/24/05 Date of Survey Signature and Seal of Professional Surveyor   17078 Certificate Number
	5232.32'	5269.06'	
	1700'	700'	
	N 89°30'36" W 2617.78'	N 0°17'24" E	



RESERVE PIT REDUCED 12' X 60'

ELEVATION A-A'

6520				
6510				
6500				
6490				
6480				

B-B'

6520				
6510				
6500				
6490				
6480				

C-C'

6520				
6510				
6500				
6490				
6480				

EXHIBIT G

LEASE: JUNIPER WEST 24 #42

FOOTAGE: 1700' FNL, 700' FEL

SEC. 24 TWN. 24-N RNG. II-W N.M.P.M.

LATITUDE: 36°18'04.9" LONGITUDE: 107°56'53.2"

ELEVATION: 6502

COLEMAN OIL & GAS, INC.  
FARMINGTON, NEW MEXICO

SURVEYED: 5/24/05

REV. DATE:

APP. BY M.L.

DRAWN BY: A.D.

DATE DRAWN: 6/1/05

FILE NAME: 5799C01

UNITED  
FIELD SERVICES INC.

P.O. BOX 3651  
FARMINGTON, NM 87499  
OFFICE: (505) 334-0408

DISTRICT I  
P.O. Box 1860, Hobbs, N.M. 88241-1860  
DISTRICT II  
E.1 South First, Artesia, N.M. 88210  
DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410  
DISTRICT IV  
2040 South Pacheco, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, NM 87504-2088

Form C-102  
Revised February 21, 1994  
Instructions on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

RECEIVED

DEC 17 2007

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30 046 33591	<sup>2</sup> Pool Code 71629	<sup>3</sup> Property Name BASIN FRUITLAND COAL
<sup>4</sup> Property Code 36668	<sup>5</sup> Property Name JUNIPER WEST 24	<sup>6</sup> Well Number 42
<sup>7</sup> GRID No. 4838	<sup>8</sup> Operator Name COLEMAN OIL & GAS, INC.	<sup>9</sup> Elevation 6502

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	24	24 N	11 W		1700	NORTH	700	EAST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

<sup>12</sup> Dedicated Acres 320 Ac-E <sup>1</sup> / <sub>2</sub>	<sup>13</sup> Joint or Infill I	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup> N 89°37'23" W 2625.30' N 0°19'44" E 2635.01' N 0°15'26" E N 89°32'40" W 2614.84'	SECTION 24 pit center 36.30133°N 107.94812°W	5232.32' 1700' 700' 5269.06' N 0°17'24" E 2617.78'	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Michael T. Hanson</i> Printed Name: Michael T. HANSON Title: Operations Engineer Date: 2/12/06
			<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: 5/24/05 Signature and Seal of Professional Surveyor: <i>Marshall W. Linden</i> Certificate Number: 17078

EXHIBIT I

**C-105**

Submit To Appropriate District Office Two Copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	<b>State of New Mexico</b> <b>Energy, Minerals and Natural Resources</b>  <b>Oil Conservation Division</b> <b>1220 South St. Francis Dr.</b> <b>Santa Fe, NM 87505</b>	<b>Form C-105</b> July 17, 2008  1. WELL API NO. 30-045-33591 2. Type of Lease <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> FED/INDIAN 3. State Oil & Gas Lease No.
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**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

4. Reason for filing:  <input type="checkbox"/> <b>COMPLETION REPORT</b> (Fill in boxes #1 through #31 for State and Fee wells only)  <input checked="" type="checkbox"/> <b>C-144 CLOSURE ATTACHMENT</b> (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)	5. Lease Name or Unit Agreement Name Juniper West 24  6. Well Number:  42
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7. Type of Completion:  
 NEW WELL     WORKOVER     DEEPENING     PLUGBACK     DIFFERENT RESERVOIR     OTHER

8. Name of Operator Coleman Oil & Gas, Inc.	9. OGRID 4838
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10. Address of Operator P.O. Drawer 3337, Farmington, NM 87499	11. Pool name or Wildcat Basin Fruitland Coal
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12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	24	24N	11W		1700	N	700	E	San Juan
BH:										

13. Date Spudded June 16, 2011	14. Date T.D. Reached July 08, 2011	15. Date Rig Released July 10, 2011	16. Date Completed (Ready to Produce) Producing	17. Elevations (DF and RKB, RT, GR, etc.)
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18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
----------------------------------	------------------------------	----------------------------------	--------------------------------------

22. Producing Interval(s), of this completion - Top, Bottom, Name

**23. CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET

26. Perforation record (interval, size, and number)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED						
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED								

**28. PRODUCTION**

Date First Production	Production Method ( <i>Flowing, gas lift, pumping - Size and type pump</i> )	Well Status ( <i>Prod. or Shut-in</i> )					
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - ( <i>Corr.</i> )	

29. Disposition of Gas ( <i>Sold, used for fuel, vented, etc.</i> )	30. Test Witnessed By
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31. List Attachments

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. If an on-site burial was used at the well, report the exact location of the on-site burial:  
 Latitude N 36.301361    Longitude W 107.948111    NAD 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature    Printed Name Michael T. Hanson    Title Operations Engineer    Date: 1/30/2018

E-mail Address mhanson@cog-fmn.com

# Sampling Results

**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Coleman Oil & Gas, Inc	Project #:	05206-0001
Sample ID:	Reserve Pit	Date Reported:	12-07-11
Laboratory Number:	60482	Date Sampled:	11-30-11
Chain of Custody No:	14033	Date Received:	11-30-11
Sample Matrix:	Soil	Date Extracted:	11-30-11
Preservative:	Cool	Date Analyzed:	12-02-11
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
<b>Gasoline Range (C5 - C10)</b>	<b>ND</b>	<b>0.2</b>
<b>Diesel Range (C10 - C28)</b>	<b>ND</b>	<b>0.1</b>
<b>Total Petroleum Hydrocarbons</b>	<b>ND</b>	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Juniper West 24 #42**




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Analyst




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Review

**EPA Method 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

**Quality Assurance Report**

Client:	QA/QC	Project #:	N/A
Sample ID:	12-02-11 QA/QC	Date Reported:	12-07-11
Laboratory Number:	60481	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-02-11
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
<b>Gasoline Range C5 - C10</b>	40879	9.996E+02	1.000E+03	0.04%	0 - 15%
<b>Diesel Range C10 - C28</b>	40879	9.996E+02	1.000E+03	0.04%	0 - 15%

<b>Blank Conc. (mg/L - mg/Kg)</b>	Concentration	Detection Limit
<b>Gasoline Range C5 - C10</b>	0.6	0.2
<b>Diesel Range C10 - C28</b>	1.5	0.1

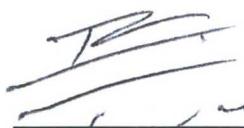
<b>Duplicate Conc. (mg/Kg)</b>	Sample	Duplicate	% Difference	Range
<b>Gasoline Range C5 - C10</b>	ND	ND	0.00%	0 - 30%
<b>Diesel Range C10 - C28</b>	ND	ND	0.00%	0 - 30%

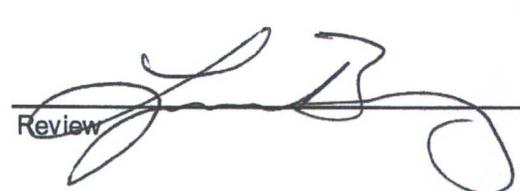
<b>Spike Conc. (mg/Kg)</b>	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
<b>Gasoline Range C5 - C10</b>	ND	250	239	95.7%	75 - 125%
<b>Diesel Range C10 - C28</b>	ND	250	209	83.4%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste,  
SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 60299, 60481-60483, 60487-60492 and 60497

  
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Analyst

  
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Review

Client:	Coleman Oil & Gas, Inc	Project #:	05206-0001
Sample ID:	Reserve Pit	Date Reported:	12-07-11
Laboratory Number:	60482	Date Sampled:	11-30-11
Chain of Custody:	14033	Date Received:	11-30-11
Sample Matrix:	Soil	Date Analyzed:	12-06-11
Preservative:	Cool	Date Extracted:	11-30-11
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	10

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	1.9	0.9
Toluene	2.4	1.0
Ethylbenzene	1.5	1.0
p,m-Xylene	2.7	1.2
o-Xylene	2.8	0.9
<b>Total BTEX</b>	<b>11.3</b>	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	81.4 %
	1,4-difluorobenzene	81.9 %
	Bromochlorobenzene	82.7 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

**Comments: Juniper West 24 #42**



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Analyst



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Review

Client:	N/A	Project #:	N/A
Sample ID:	1206BBL2 QA/QC	Date Reported:	12-07-11
Laboratory Number:	60430	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	12-06-11
Condition:	N/A	Analysis:	BTEX
		Dilution:	10

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF: Accept. Range 0 - 15%	%Diff.	Blank Conc	Detect. Limit
Benzene	2.3109E+007	2.3155E+007	0.2%	ND	0.1
Toluene	2.3403E+007	2.3450E+007	0.2%	ND	0.1
Ethylbenzene	2.0579E+007	2.0620E+007	0.2%	ND	0.1
p,m-Xylene	5.1334E+007	5.1437E+007	0.2%	ND	0.1
o-Xylene	1.9028E+007	1.9066E+007	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	ND	ND	0.0%	0 - 30%	0.9
Toluene	ND	ND	0.0%	0 - 30%	1.0
Ethylbenzene	ND	ND	0.0%	0 - 30%	1.0
p,m-Xylene	ND	ND	0.0%	0 - 30%	1.2
o-Xylene	1.9	1.8	5.3%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	ND	500	459	91.9%	39 - 150
Toluene	ND	500	456	91.3%	46 - 148
Ethylbenzene	ND	500	462	92.4%	32 - 160
p,m-Xylene	ND	1000	929	92.9%	46 - 148
o-Xylene	1.9	500	465	92.6%	46 - 148

ND - Parameter not detected at the stated detection limit.

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

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.  
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 60299, 60430-60433, 60450, 60481-60483 and 60496

Analyst

Review

Client:	Coleman Oil & Gas	Project #:	05206-0001
Sample ID:	Reserve Pit	Date Reported:	12-05-11
Lab ID#:	60482	Date Sampled:	11-30-11
Sample Matrix:	Soil	Date Received:	11-30-11
Preservative:	Cool	Date Analyzed:	12-01-11
Condition:	Intact	Chain of Custody:	14033

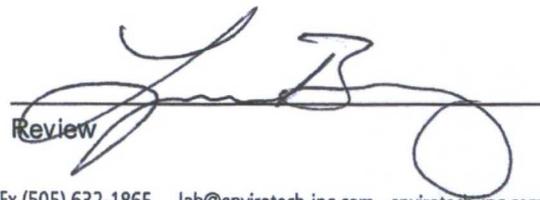
Parameter	Concentration (mg/Kg)
-----------	-----------------------

<b>Total Chloride</b>	<b>2,310</b>
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Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Juniper West 24 #42**

  
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Analyst

  
\_\_\_\_\_  
Review

# CHAIN OF CUSTODY RECORD

14033

Client: <i>Coleman Oil + Gas, Inc</i>			Project Name / Location: <i>JUNIPER WEST 24 #42</i>			ANALYSIS / PARAMETERS															
Email results to: <i>mhanson@coq-fmn.com</i>			Sampler Name: <i>Mike Hanson</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	FCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact		
Client Phone No.: <i>505-566-1996</i>			Client No.: <i>05206-0001</i>																		
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative																
					HgCl <sub>2</sub>	HCl															
<i>RESERVE Pit</i>	<i>11/30</i>	<i>2:30 Pm</i>	<i>60482</i>	<i>1</i>			<i>X</i>	<i>X</i>											<i>X</i>	<i>Y</i>	<i>Y</i>
Relinquished by: (Signature) <i>Mike Hanson</i>				Date	Time	Received by: (Signature) <i>[Signature]</i>				Date	Time										
				<i>11/30/2011</i>	<i>4:00 PM</i>					<i>11/30/11</i>	<i>4:00 PM</i>										
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.																					
5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com																					



Client:	Coleman Oil & Gas, Inc.	Project #:	05206-0001
Sample ID:	Reserve Pit	Date Reported:	12-22-11
Laboratory Number:	60482	Date Sampled:	11-30-11
Chain of Custody No:	14033	Date Received:	12-15-11
Sample Matrix:	Soil	Date Extracted:	12-19-11
Preservative:	Cool	Date Analyzed:	12-19-11
Condition:	Intact	Analysis Needed:	TPH-418.1

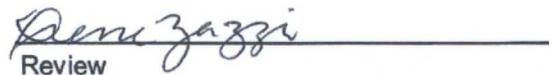
Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
<b>Total Petroleum Hydrocarbons</b>	<b>266</b>	<b>18.2</b>

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: **Juniper West 24 #42**

  
Analyst

  
Review



**EPA METHOD 418.1  
TOTAL PETROLEUM HYDROCARBONS  
QUALITY ASSURANCE REPORT**

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	12-22-11
Laboratory Number:	12-19-TPH.QA/QC 60481	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	12-19-11
Preservative:	N/A	Date Extracted:	12-19-11
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	10-18-11	12-19-11	1,800	1,670	7.2%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	21.6

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	238	202	15.2%	+/- 30%

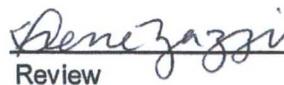
Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	238	2,000	1,940	86.7%	80 - 120%

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: QA/QC for Samples 60481-60483, 60605, 60655-60656, 60659, 60661-60662

  
Analyst

  
Review

# CHAIN OF CUSTODY RECORD

14033

Client: <i>Coleman Oil &amp; Gas, Inc</i>			Project Name / Location: <i>JUNIPER WEST Z4 #42</i>			ANALYSIS / PARAMETERS													
Email results to: <i>mhanson@coq-fmn.com</i>			Sampler Name: <i>Mike Hanson</i>			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	FCl	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.: <i>505-566-1996</i>			Client No.: <i>05206-0001</i>																
Sample No. / Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl <sub>2</sub>	HCl													
<i>RESERVE Pit</i>	<i>11/30</i>	<i>2:30 PM</i>	<i>60482</i>	<i>1</i>			<i>X</i>	<i>X</i>						<i>X</i>	<i>X</i>			<i>Y</i>	<i>Y</i>
														<i>added</i>					
														<i>12/15/11</i>					
Relinquished by: (Signature) <i>Mike Hanson</i>				Date <i>11/30/2011</i>	Time <i>4:00 PM</i>	Received by: (Signature) <i>[Signature]</i>				Date <i>11/30/11</i>	Time <i>4:00 PM</i>								
Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time								
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.																			
																			
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# Temporary Pit Inspection Form

The Following Drilling Reserve Pit Was Inspected By Me Or Under My Direct Supervision On A Daily Basis While The Drilling Rig Was On Location. The Following Visuals Inspections Were Made As Required By The Current Pit Rule; Free Board, Integrity Of Pit Liner And Fluids.

Lease Name: Juniper West 24 #42  
 Legal: H Section 24 Township 24N Range 11W  
 API# 30-045-33591  
 Lease# NMNM 104609

	MTH	DC	BT	Comments
6/19/2011	<del>MTH</del>	DC		
6/20/2011		DC		
6/21/2011		DC		
6/22/2011		DC		
6/23/2011		DC		
6/24/2011		DC		
6/25/2011		DC		
6/26/2011		DC		
6/27/2011		DC		
6/28/2011		DC		
6/29/2011		DC		
6/30/2011		DC		
7/1/2011		DC		
7/2/2011		DC		
7/3/2011		DC		
7/4/2011		DC		
7/5/2011		DC		
7/6/2011		DC		
7/7/2011		DC		
7/8/2011		DC		
7/9/2011		DC		
7/10/2011				
7/11/2011				
7/12/2011				

MTH Michael T. Hanson; Operations Engineer  
 DC Donald Coleman; Drilling Supervisor  
 BT Bruce Taylor; Production Foreman

The Following Drilling Reserve Pit Was Inspected By Me Or Under My Direct Supervision On A Weekly Basis After The Drilling Rig Was Released. The Following Visuals Inspections Were Made As Required By The Current Pit Rule; Free Board, Integrity Of Pit Liner And Fluids.

Lease Name: Juniper West 24 #42  
 Legal: H Section 24 Township 24N Range 11W  
 API# 30-045-33591  
 Lease# NMNM 104609

	MTH	DC	BT	Comments
7/18/2011	<del>MTH</del>		B.T.	
7/25/2011			B.T.	
8/1/2011			B.T.	
8/8/2011			B.T.	
8/15/2011			B.T.	
8/22/2011			B.T.	
8/29/2011			B.T.	
9/5/2011			B.T.	
9/19/2011			B.T.	
9/26/2011			B.T.	
10/3/2011			B.T.	
10/10/2011			B.T.	
10/17/2011			B.T.	
10/24/2011			B.T.	
10/31/2011			B.T.	
11/7/2011			B.T.	
11/14/2011			B.T.	
11/21/2011			B.T.	
11/28/2011			B.T.	
12/5/2011			B.T.	
12/12/2011			B.T.	
12/19/2011			B.T.	
12/27/2011			B.T.	
1/4/2012			B.T.	
1/9/2012			B.T.	
1/16/2012			B.T.	
1/23/2012			B.T.	
1/30/2012			B.T.	
2/6/2012			B.T.	
2/13/2012			B.T.	
2/20/2012			B.T.	
2/27/2012	<del>MTH</del>		B.T.	

MTH Michael T. Hanson; Operations Engineer  
 DC Donald Coleman; Drilling Supervisor  
 BT Bruce Taylor; Production Foreman

# Site Reclamation Photos



