

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

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

Form C-144  
July 21, 2008

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

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

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  
BGT 1 ☐ Closure plan only submitted for an existing permitted or non-permitted pit, closed-loop system, below-grade tank, or proposed alternative method

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

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

1.  
Operator: Chevron Midcontinent, LP OGRID #: 241333  
Address: P.O. Box 36366 Houston, TX 77236  
Facility or well name: Rincon Unit No. 91  
API Number: 30-039-06627 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr Qtr/Qtr D Section 11 Township 26N Range 7W County: Rio Arriba  
Center of Proposed Design: Latitude 36 505165° Longitude 107 550175° 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 \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

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

4.  
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 45 bbl Type of fluid: Recycled Oil  
Tank Construction material: Galvanized  
☐ 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 None

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 Four foot, pipe frame with square wire mesh.

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. - Please reference hydrogeologic report and printout from iWATERS database.	<input type="checkbox"/> Yes <input checked="" 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). - Please reference the attached topographic map with distance rings. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no watercourses within the distance specified above.	<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. (Applies to temporary, emergency, or cavitation pits and below-grade tanks) - Please reference the attached aerial photo. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no referenced buildings within the distance specified above.	<input type="checkbox"/> Yes <input checked="" 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. (Applies to permanent pits) - Please reference the attached aerial photo. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no referenced buildings within the distance specified above.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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. - Please reference the attached iWATERS printout. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no wells or springs within the distances specified above.	<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. The site is not within any known incorporated municipal boundaries, please reference the attached topographic map.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within 500 feet of a wetland. - Please reference the attached topographic map with distance rings. In addition, a field visit was conducted by Envirotech in July 2008 certifying that, at the time, there were no wetlands within the distance specified above	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within the area overlying a subsurface mine. - Please reference the attached topographic map	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Within an unstable area. - Please reference the attached topographic map which includes FEMA flood map data. The map indicates the well site is outside of any known 100 year floodplains.	<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

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

☐ Yes ☐ No  
☐ NA

Ground water is between 50 and 100 feet below the bottom of the buried waste

- NM Office of the State Engineer - iWATERS database search; USGS; Data 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 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

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

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

☐ Yes ☐ No

Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

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

☐ Yes ☐ No

Within 500 feet of a wetland.

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

☐ Yes ☐ No

Within the area overlying a subsurface mine.

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

☐ Yes ☐ No

Within an unstable area.

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

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

18.

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

☐ Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC

☐ Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.11 NMAC

☐ Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC

☐ Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Waste Material Sampling Plan - based upon the appropriate requirements of Subsection F of 19.15.17.13 NMAC

☐ Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards cannot be achieved)

☐ Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC

☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC

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




19.

**Operator Application Certification:**

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

Name (Print): Rodney Bailey Title: Waste & Water Group Lead

Signature:  Date: March 1, 2010

e-mail address: Bailerg@chevron.com Telephone: (432) 687 7123

20.

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

**OCD Representative Signature:** CR Whitehead **Approval Date:** October 6, 2021

**Title:** Environmental Specialist **OCD Permit Number:** BGT 1

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

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

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

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

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

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

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

24.

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

- ☐ Proof of Closure Notice (surface owner and division)  
☐ 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 \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: ☐ 1927 ☐ 1983

25.

**Operator Closure Certification:**

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

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

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

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



# Site Inventory Sheet

- Well Name & Number: RINCON UNIT # 91
- API #: 3003906627
- Lease #: SF 079160
- Quarter/Quarter: D Section: 11 Township: 26N Range: 7W
- Lat: N 36.505145 Long: W 107.550175

- Pit Tank #1: Manufacturer: HLW BRAND
- Serial #: NA DOM: NA Size \_\_\_\_\_ bbl
  - If N/A – Dimensions: Diameter 6ft Height 2ft
- Material: Steel \_\_\_\_\_ Galvanized X Fiberglass \_\_\_\_\_
- Tank Configuration: Double Wall \_\_\_\_\_ Single Wall X (Buried \_\_\_\_\_ or Exposed X Walls)
- Contents: Produced Water \_\_\_\_\_ Condensate \_\_\_\_\_ Recycled Oil X NOT LABEL X
- Tank Top Covering: Solid/Cone-top \_\_\_\_\_ Netting X (Solid \_\_\_\_\_ Fiber X)
- Secondary Containment: Yes X No \_\_\_\_\_
- Fencing around berm: Yes X No \_\_\_\_\_
  - Fence Type: Cattle Panel \_\_\_\_\_ Field Fence X Barbwire \_\_\_\_\_

- Pit Tank #2: Manufacturer: \_\_\_\_\_
- Serial #: \_\_\_\_\_ DOM: \_\_\_\_\_ Size \_\_\_\_\_ bbl
  - If N/A – Dimensions: Diameter \_\_\_\_\_ Height \_\_\_\_\_
- Material: Steel \_\_\_\_\_ Galvanized \_\_\_\_\_ Fiberglass \_\_\_\_\_
- Tank Configuration: Double Wall \_\_\_\_\_ Single Wall \_\_\_\_\_ (Buried \_\_\_\_\_ or Exposed \_\_\_\_\_ Walls)
- Contents: Produced Water \_\_\_\_\_ Condensate \_\_\_\_\_ Recycled Oil \_\_\_\_\_
- Tank Top Covering: Solid/Cone-top \_\_\_\_\_ Netting \_\_\_\_\_ (Solid \_\_\_\_\_ Fiber \_\_\_\_\_)
- Secondary Containment: Yes \_\_\_\_\_ No \_\_\_\_\_
- Fencing around berm: Yes \_\_\_\_\_ No \_\_\_\_\_
  - Fence Type: Cattle Panel \_\_\_\_\_ Field Fence \_\_\_\_\_ Barbwire \_\_\_\_\_

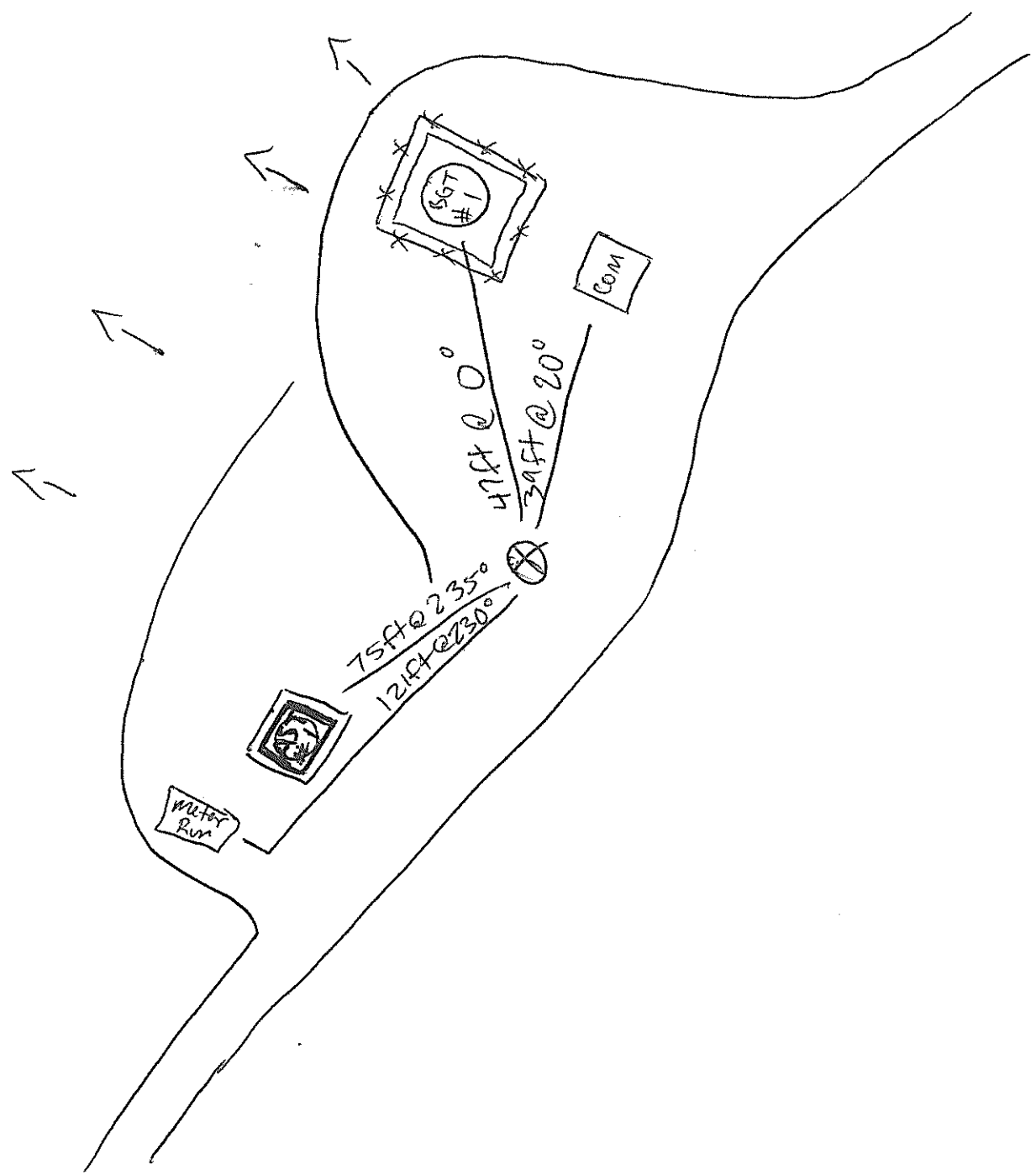
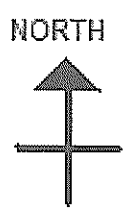
- Above-Ground Tank #1: Manufacturer: NA
- Serial #: NA DOM: NA Size \_\_\_\_\_ bbl
  - If N/A – Dimensions: Diameter 6' x 4' Height 2ft
- Material: Steel X Galvanized \_\_\_\_\_ Fiberglass \_\_\_\_\_
- Contents: Produced Water \_\_\_\_\_ Condensate \_\_\_\_\_ (State # \_\_\_\_\_) Recycled Oil \_\_\_\_\_
- Secondary Containment: Yes X No \_\_\_\_\_ NOT LABEL X

- Above-Ground Tank #2: Manufacturer: \_\_\_\_\_
- Serial #: \_\_\_\_\_ DOM: \_\_\_\_\_ Size \_\_\_\_\_ bbl
  - If N/A – Dimensions: Diameter \_\_\_\_\_ Height \_\_\_\_\_
- Material: Steel \_\_\_\_\_ Galvanized \_\_\_\_\_ Fiberglass \_\_\_\_\_
- Contents: Produced Water \_\_\_\_\_ Condensate \_\_\_\_\_ (State # \_\_\_\_\_) Recycled Oil \_\_\_\_\_
- Secondary Containment: Yes \_\_\_\_\_ No \_\_\_\_\_

- Above-Ground Tank #3: Manufacturer: \_\_\_\_\_
- Serial #: \_\_\_\_\_ DOM: \_\_\_\_\_ Size \_\_\_\_\_ bbl
  - If N/A – Dimensions: Diameter \_\_\_\_\_ Height \_\_\_\_\_
- Material: Steel \_\_\_\_\_ Galvanized \_\_\_\_\_ Fiberglass \_\_\_\_\_
- Contents: Produced Water \_\_\_\_\_ Condensate \_\_\_\_\_ (State # \_\_\_\_\_) Recycled Oil \_\_\_\_\_
- Secondary Containment: Yes \_\_\_\_\_ No \_\_\_\_\_

7/17/08

Well Schematic



Schematic Key:

Separator

SEP

Artificial Lift

AL

Condensate Tank

COND

Compressor

COM

Meter Run

METER RUN

Dehydrator

DEH

Well Head



Water Tank

WATER

Measure any distance 1000ft or less of the following:

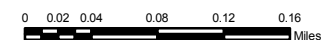
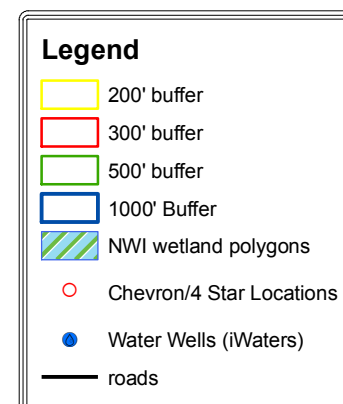
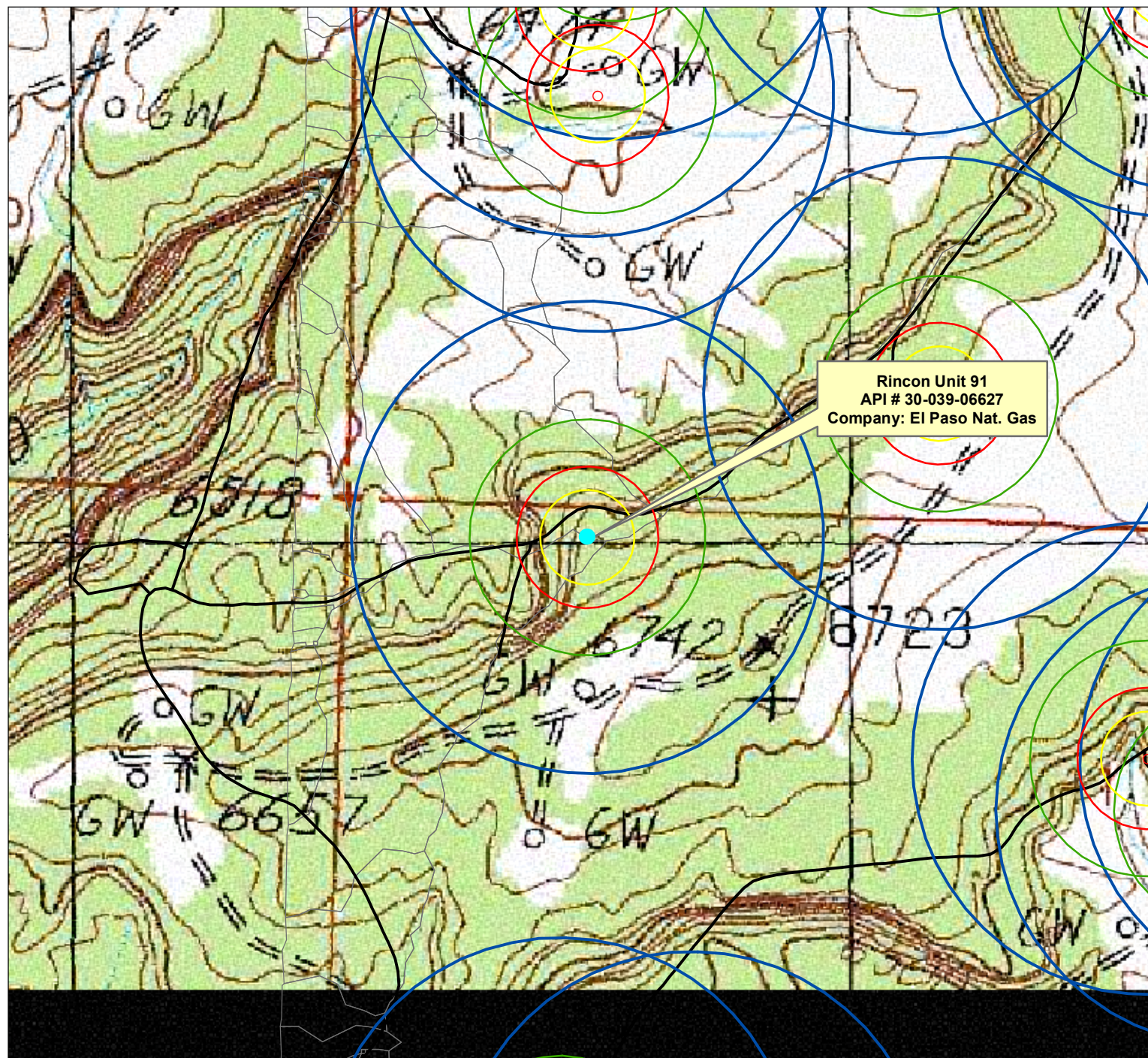
• From wellhead to any continuous flowing or significant water course. NA

• From below-grade tanks to any permanent residence, school, church, hospital, etc. NA



# Rincon Unit 91

## API # 30-039-06627



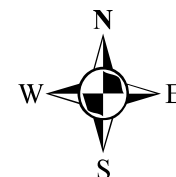
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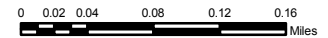
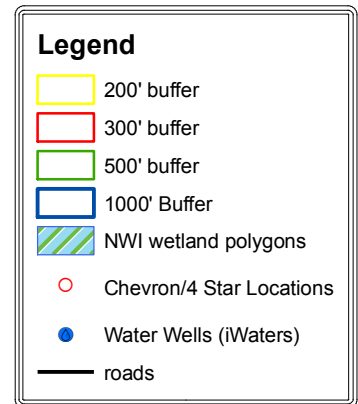
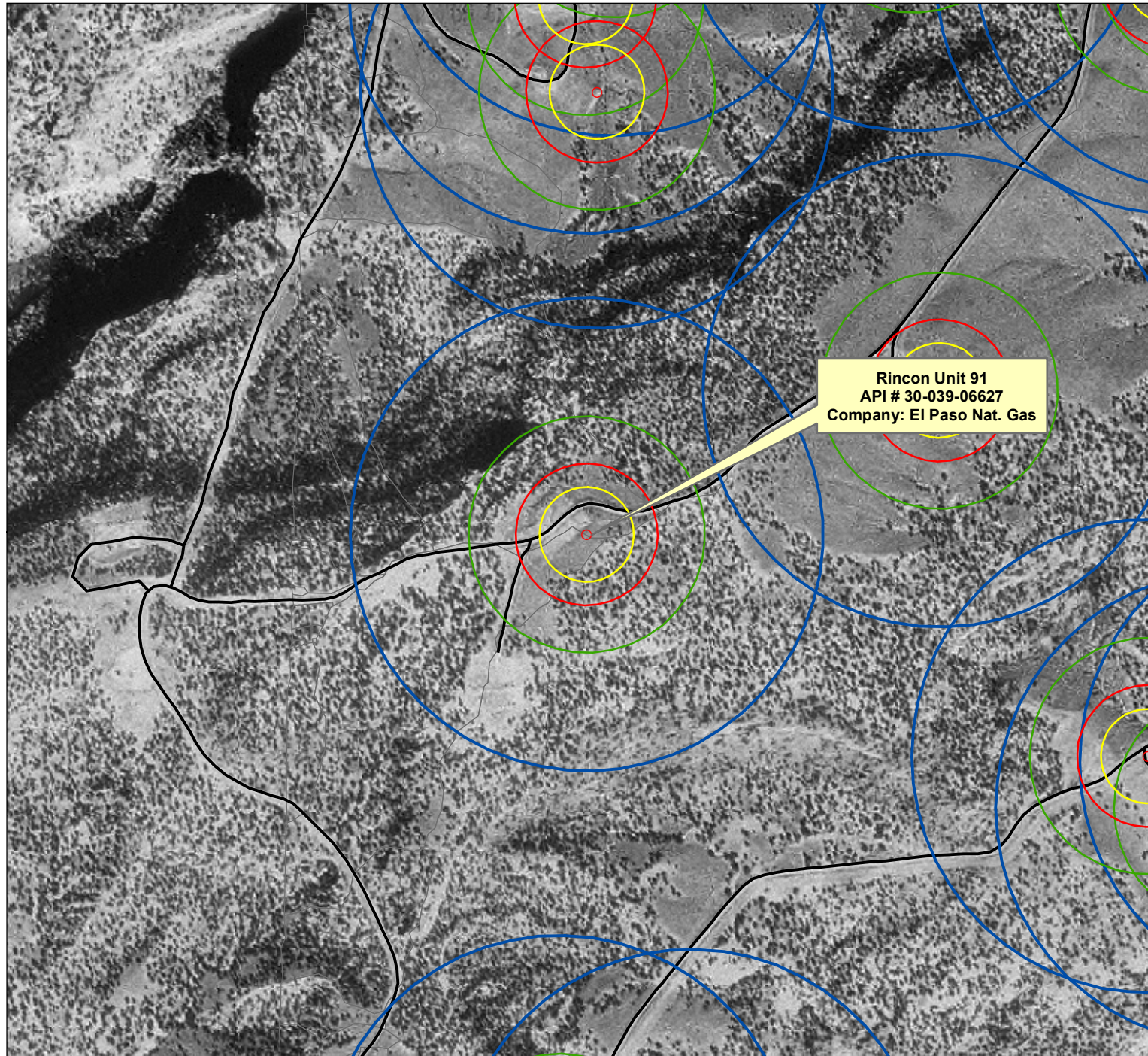
Human Energy





# Rincon Unit 91

## API # 30-039-06627



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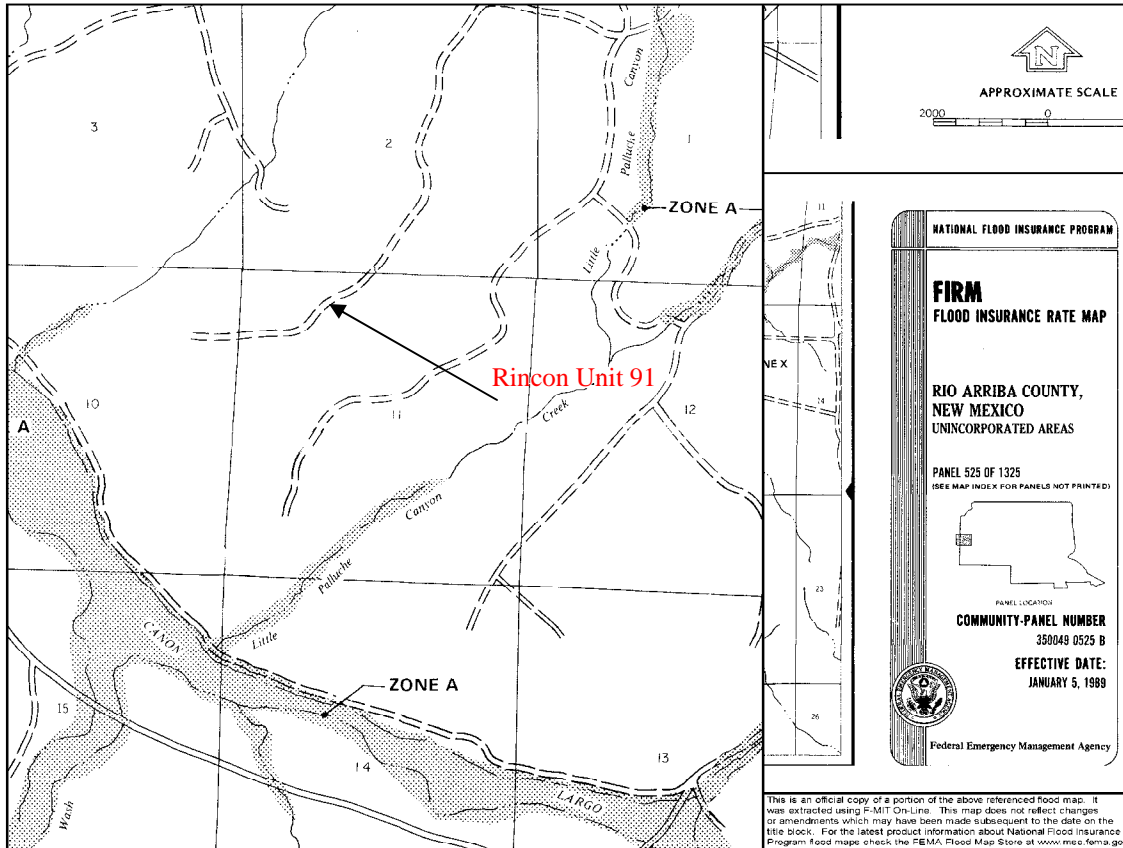
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Human Energy™



Rincon Unit 91  
API # 30-039-06627  
NE ¼ NW ¼ Sec. 11 T26N R7W







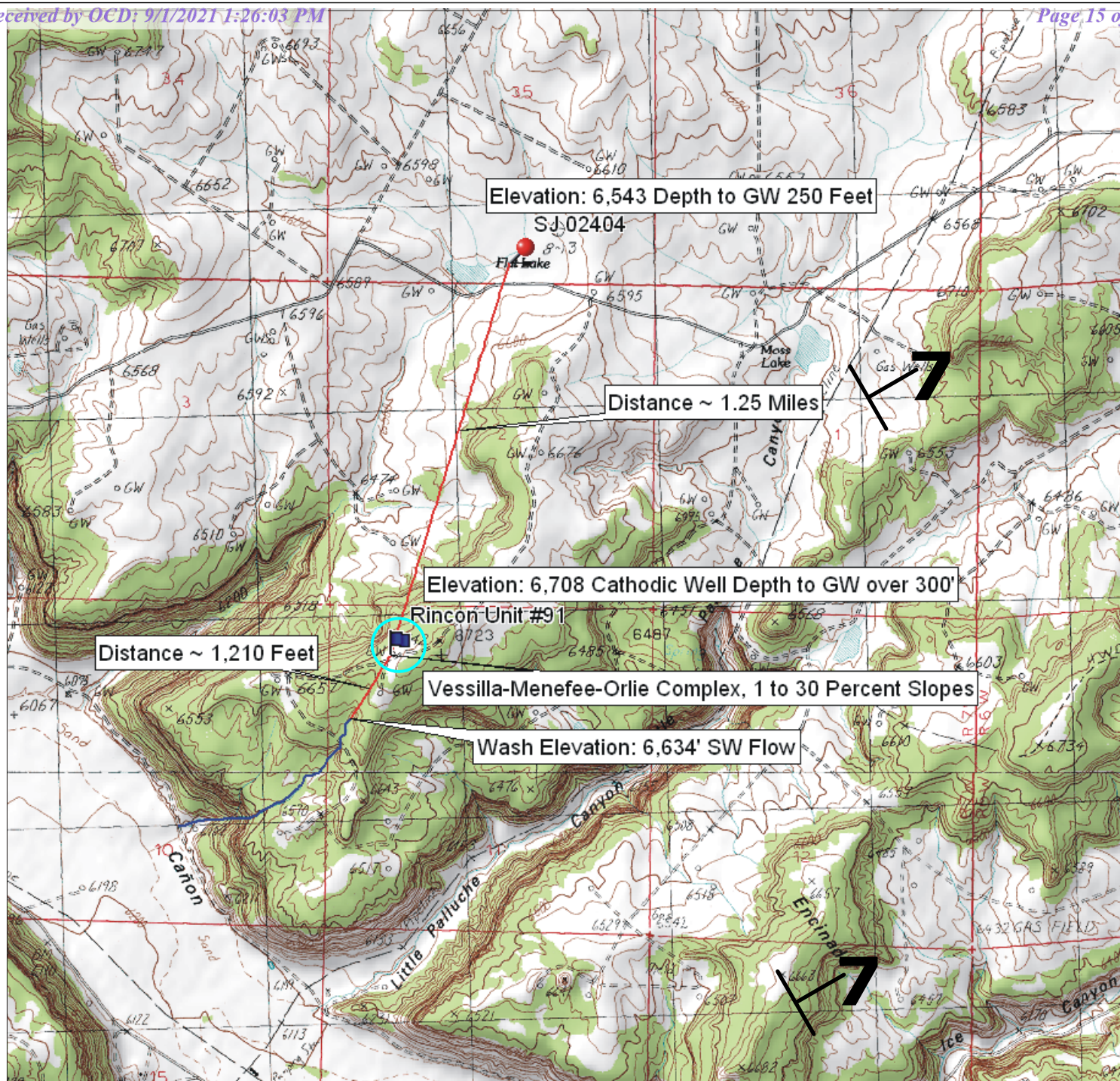
### Rincon Unit #91 Groundwater Statement

The attached iWATERS database search and topographic map shows a water well approximately 1.25 miles to the north-east with a depth to groundwater of 250 feet. This water well is labeled on the topographic map with a red point. As evidenced on the attached topographic map, the water well is at an elevation approximately 165 feet lower than the Rincon Unit #91 well site, which is represented by a blue flag on the topographic map. The attached cathodic well data sheet for a cathodic well drilled in 1991 for the Rincon Unit #91 well site shows that groundwater was not encountered in a 300 foot boring. This cathodic well data sheet is stamped as being accepted by the OCD in October of 1991. The soil type at the Rincon Unit #91 well site is a Vessilla-Menefee-Orlie Complex, 1 to 30 percent slope. This is a well drained soil, characterized by moderate organic material and a very low available water capacity. The nearest wash is approximately 1,210 feet to the south-west of the Rincon Unit #91 well site at an elevation of 6,634 feet. This is a south-west flowing ephemeral wash that only exists during periods of heavy precipitation. This wash is a first order tributary of Largo Wash. The Rincon Unit #91 well site lies in the San Jose Formation Aquifer which dips at 7 degrees to the north-east (Frenzel, 1983); see Topographic Map for aquifer dip direction. The San Jose Formation ranges from less than 200 feet in the west and south to nearly 2,700 feet in the basin center between Cuba and Gobernador (Frenzel, 1983). These findings give definitive proof that the depth to groundwater is greater than 50 feet from the bottom of the BGT at the Rincon Unit #91 well site. All above information, excluding the aquifer dip, was confirmed by a visual inspection performed by Envirotech, Inc.

The **San Jose Formation (Tsj)** is the youngest Tertiary unit in the San Juan Basin and was named by Simpson (1948, p. 277-283). It is of early Eocene age and as early as 1875 was correlated with the Wasatch Formation in Wyoming. The San Jose is the surface formation in the eastern two-thirds of the San Juan Basin. Although largely exposed in New Mexico, the San Jose also straddles the New Mexico/Colorado State boundaries. It outcrops in its west, south and northeast boundaries in a broad, and in some places irregular, southeasterly trending band in the Blanco Canyon to Largo Canyon area. On the east side, it rises structurally and outcrops in a narrow band along the west face of the Nacimiento Uplift forming the eastern boundary of the San Juan Basin. There are several smaller, isolated remnants of the San Jose Formation west of the central exposure. The San Jose has eroded deeply in some areas and because of differential resistance to erosion of its various sandstone and shale units, produces a large thickness variance and in some places formation of very rugged topographic expression (Baltz, 1967, p. 45). In some places it erodes to horseshoe-shaped badlands and massive cliffs. The San Jose overlays the nonresistant slope-forming Nacimiento Formation (Tn). Thickness of the San Jose ranges from less than 200' at the outcrop on the west and south sides to almost 2700 feet in the the Basin center (Stone, etal, p. 25). The thickness is 1300' or less on the southern part of the Tapicitos Plateau where the San Jose structurally rises and its upper beds are eroded. In the Largo Plains area (Largo Canyon) which marks the western exposure of the preserved San Jose, more than half of the Formation was removed by erosion (Baltz, p. 46). The San Jose Formation contact is that of an angular unconformity surface with the underlying Paleocene-age Nacimiento Formation near the Nacimiento Uplift, but is slightly disconformable to conformable in the Basin center (Stone, etal, p. 25).

The San Jose Formation is comprised of four identifiable rock facies (in ascending order) called the Cuba Mesa, the Regina, the Llaves and the Tapicitos Members. These four members are only present in the far eastern part of the basin (Brimhall, 1973, p. 198). Within the preserved area, only the Cuba Mesa and Regina are widespread throughout the basin. The oldest Member of the San Jose is the Cuba Mesa (150-800 feet thick), which is largely a massive cliff-forming buff and yellow, rusty-weathering cross-bedded arkosic coarse-grained sandstone with lenticular reddish, green and gray shale beds (Baltz, p. 46). The Cuba Mesa is overlain in the southern two-thirds of the area by drab-colored variegated shale and interbedded soft to hard sandstones known as the Regina Member (100 to 1700 feet thick) and overlain in the northern one-third by a thick sequence of sandstone called the Llaves (50 to 1300 feet thick) which in turn intertongues and grades southward into the Regina. In the northeastern part of the area, the upper Llaves Member grades southward and westward into the red silty mudstones, siltstones and interbedded poorly consolidated sandstones of the Tapicitos Member (120-500 feet thick) (Stone, etal, p. 25).





# LEGEND

**Y7** Aquifer Strike & Dip

**~** Emphereal Wash

**O** Well Area Soil Type

**—** Distance

Topographic Map  
Rincon Unit #91  
Sec 11, Twp 26N, Rge 7W  
Rio Arriba County, New Mexico

SCALE: NTS

PROJECT NO92270-0342

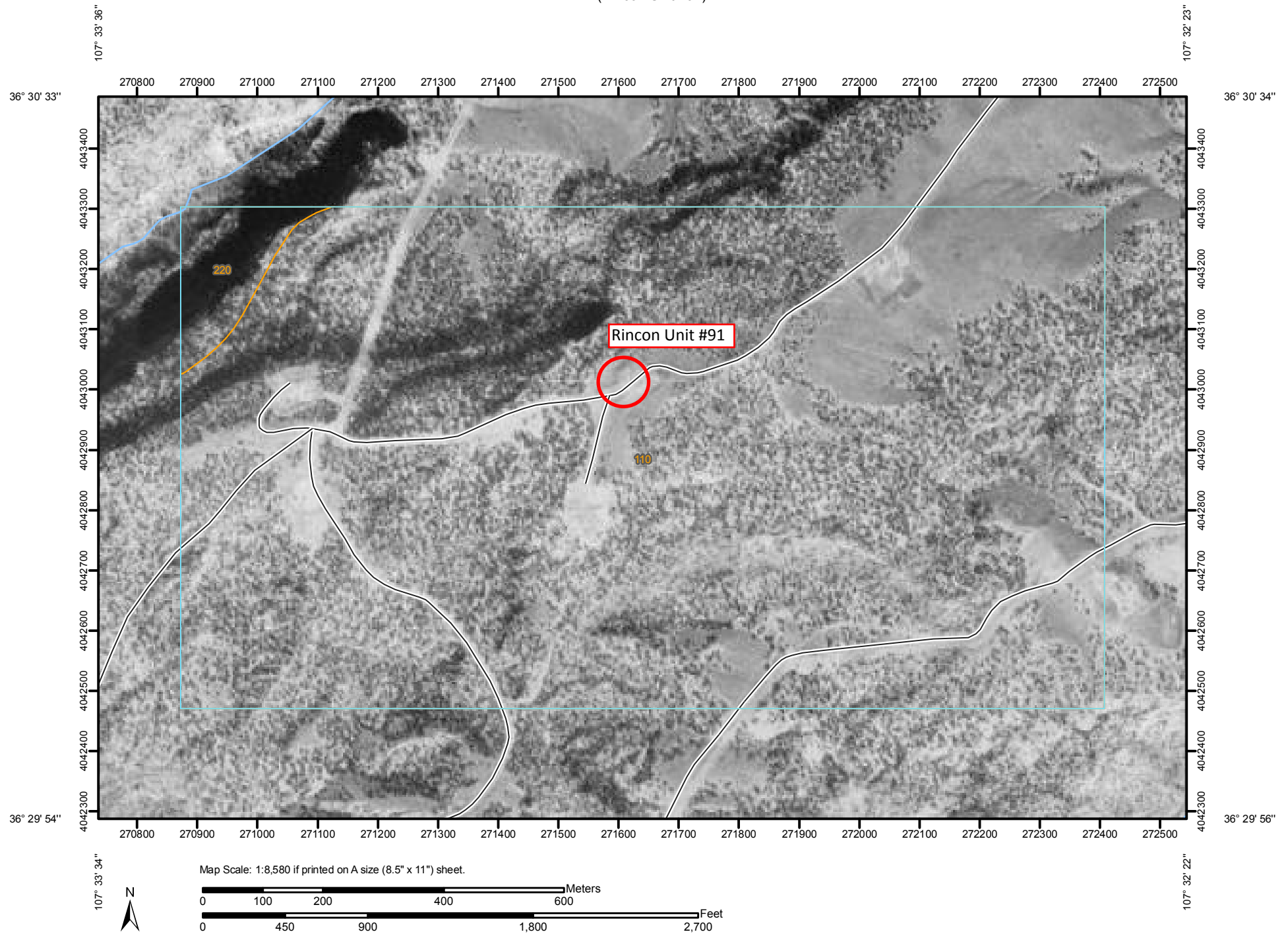
FIGURE NO. 1

REV

## REVISIONS

NO.	DATE	BY	DESCRIPTION
MAP	DRWN	JPM	DATE 3/24/09

**envirotech**






Soil Map—Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties  
(Rincon Unit #91)

## MAP LEGEND






















### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Units

### Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot
-  Spoil Area
-  Stony Spot



Very Stony Spot



Wet Spot



Other

### Special Line Features



Gully



Short Steep Slope



Other

### Political Features



Cities

### Water Features



Oceans



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

## MAP INFORMATION

Map Scale: 1:8,580 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>

Coordinate System: UTM Zone 13N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

Survey Area Data: Version 10, Dec 19, 2008

Date(s) aerial images were photographed: 10/13/1997

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Natural Resources  
Conservation Service

Web Soil Survey 2.1  
National Cooperative Soil Survey

3/24/2009  
Page 2 of 3

Soil Map—Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

Rincon Unit #91

## Map Unit Legend

Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties (NM650)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
110	Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes	307.3	97.3%
220	Rock outcrop-Vessilla-Menefee complex, 15 to 45 percent slopes	8.4	2.7%
Totals for Area of Interest		315.7	100.0%



Map Unit Description: Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes—  
Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

Rincon Unit #91

## Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

### 110—Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes

#### Map Unit Setting

*Elevation:* 6,100 to 7,200 feet  
*Mean annual precipitation:* 13 to 16 inches  
*Mean annual air temperature:* 45 to 49 degrees F  
*Frost-free period:* 100 to 130 days

#### Map Unit Composition

*Vessilla and similar soils:* 45 percent  
*Menefee and similar soils:* 25 percent  
*Orlie and similar soils:* 20 percent

#### Description of Vessilla

##### Setting

*Landform:* Breaks  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Nose slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Linear  
*Parent material:* Slope alluvium over residuum weathered from sandstone

##### Properties and qualities

*Slope:* 1 to 30 percent  
*Depth to restrictive feature:* 10 to 20 inches to lithic bedrock  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 5.0  
*Available water capacity:* Very low (about 2.1 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 7s  
*Ecological site:* Pinus edulis-Juniperus monosperma/Quercus gambelii/Bouteloua gracilis (F035XG134NM)

##### Typical profile

*0 to 1 inches:* Sandy loam  
*1 to 15 inches:* Sandy loam  
*15 to 60 inches:* Bedrock



Map Unit Description: Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes--  
Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

Rincon Unit #91

## Description of Menefee

### Setting

*Landform:* Breaks

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Colluvium over residuum weathered from shale

### Properties and qualities

*Slope:* 2 to 30 percent

*Depth to restrictive feature:* 10 to 20 inches to paralithic bedrock

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Very low  
to moderately high (0.00 to 0.20 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 10 percent

*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 2.0

*Available water capacity:* Very low (about 2.0 inches)

### Interpretive groups

*Land capability (nonirrigated):* 7e

*Ecological site:* Pinus edulis-Juniperus monosperma/Quercus  
gambelii/Bouteloua gracilis (F035XG134NM)

### Typical profile

*0 to 3 inches:* Clay loam

*3 to 10 inches:* Clay loam

*10 to 60 inches:* Bedrock

## Description of Orlie

### Setting

*Landform:* Mesas

*Landform position (two-dimensional):* Footslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Slope alluvium derived from sandstone and shale

### Properties and qualities

*Slope:* 1 to 8 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water  
(Ksat):* Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 10 percent



Map Unit Description: Vessilla-Menefee-Orlie complex, 1 to 30 percent slopes--  
Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval Counties

Rincon Unit #91

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 4.0 mmhos/  
cm)

*Available water capacity:* High (about 11.1 inches)

**Interpretive groups**

*Land capability (nonirrigated):* 6c

*Ecological site:* Gravelly Loamy (R036XB006NM)

**Typical profile**

*0 to 4 inches:* Silt loam

*4 to 14 inches:* Clay loam

*14 to 60 inches:* Clay loam

## Data Source Information

Soil Survey Area: Rio Arriba Area, New Mexico, Parts of Rio Arriba and Sandoval  
Counties

Survey Area Data: Version 10, Dec 19, 2008



DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS  
NORTHWESTERN NEW MEXICO  
(Submit 2 copies to OCD Aztec Office)

Operator UNOCAL Oil & Gas Division Location: Unit D Sec. 11 Twp 26N Rng 7W

Name of Well/Wells or Pipeline Served Rincon Unit #91 PC & 191 CH

Elevation 6731' Completion Date 10/01/91 Total Depth 300' Land Type\* F

Casing, Sizes, Types & Depths NONE

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used N/A

Depths & thickness of water zones with description of water when possible: Fresh, Clear,  
Salty, Sulphur, Etc. No Water

Depths gas encountered: NONE

Type & amount of coke breeze used: Metallurgical Coke = 2000 lbs.

Depths anodes placed: 176, 182, 188, 194, 200, 206, 212, 218, 224, & 230'

Depths vent pipes placed: 0 to 300'

Vent pipe perforations: 1/8" 0 from 220' to 300'

Remarks: First ground bed installed on location

RECEIVED  
OCT 25 1991  
OIL CON. DIV.  
DIST. 3

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

\*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.  
If Federal or Indian, add Lease Number.

**New Mexico Office of the State Engineer  
Point of Diversion Summary**

---

Back

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are biggest to smallest)

POD Number	Tws	Rng	Sec	q	q	q	Zone	X	Y
SJ 02404	27N	07W	35	4	3	3			

**Driller Licence:**

**Driller Name:** KAIME, JOE

**Drill Start Date:**

**Log File Date:**

**Pump Type:**

**Casing Size:**

**Depth Well:** 550

**Source:**

**Drill Finish Date:** 12/31/1946

**PCW Received Date:**

**Pipe Discharge Size:**

**Estimated Yield:**

**Depth Water:** 250

# BELOW GRADE TANK (BGT) DESIGN AND CONSTRUCTION PLAN

SUBMITTED TO:

ENVIRONMENTAL BUREAU,

NEW MEXICO OIL CONSERVATION DIVISION

ON BEHALF OF:

CHEVRON USA INC., CHEVRON MIDCONTINENT, L.P., AND FOUR STAR OIL & GAS  
COMPANY

P.O. Box 730

AZTEC, NEW MEXICO 87410

(505) 333-1901



**Chevron**  
**San Juan Basin**  
**Below Grade Tank Design and Construction Plan**

**INTRODUCTION**

In accordance with NMAC §§ 19.15.17.9(B)(4) and 19.15.17.11 Chevron (representing Chevron USA Inc, Chevron Midcontinent, L.P., and Four Star Oil & Gas Company) submits this Design and Construction Plan for below grade tanks (BGTs) in New Mexico. This Plan contains standard conditions that attach to multiple BGTs.

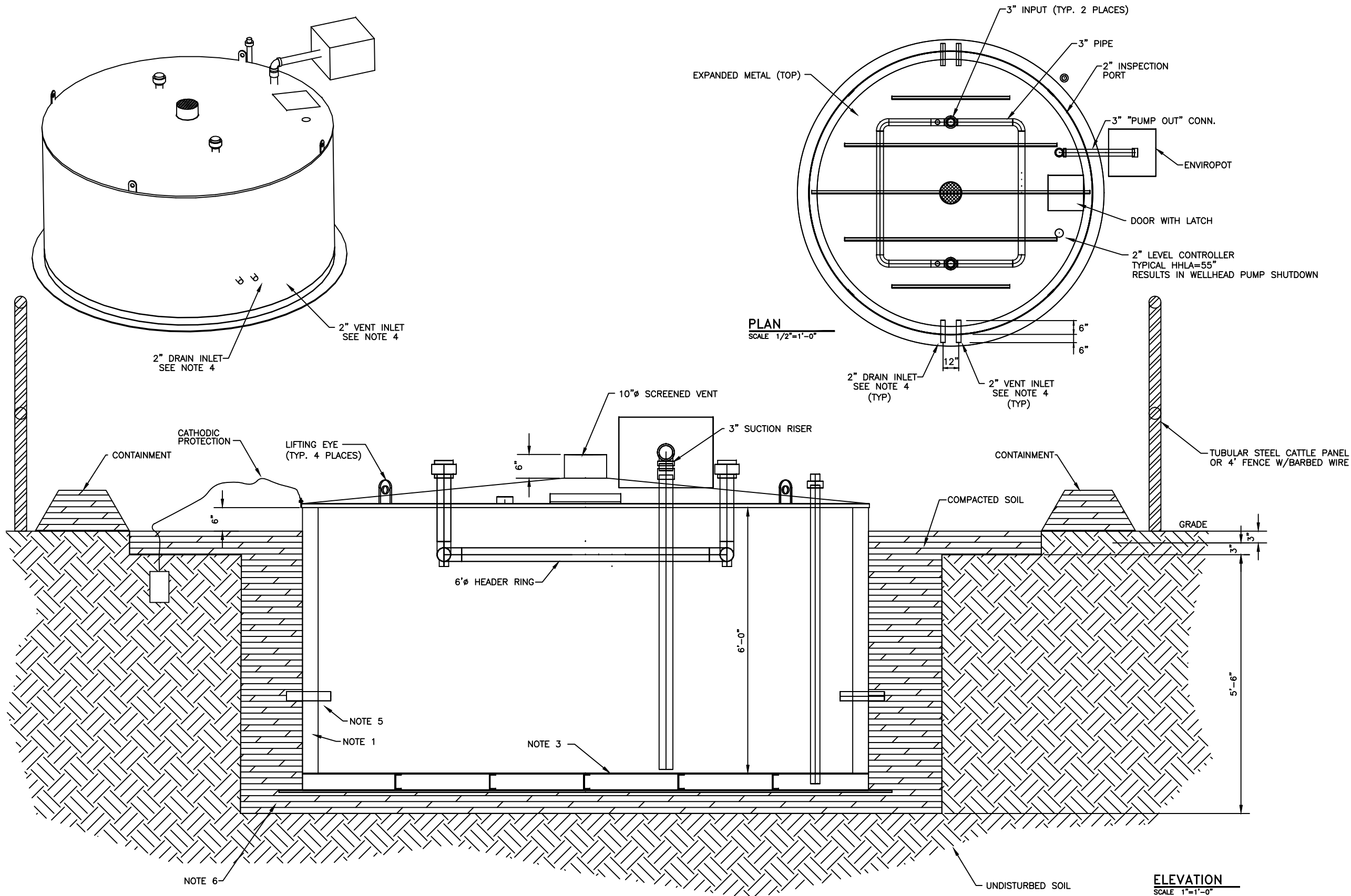
1. Chevron will design and construct a BGT to contain liquids and solids, prevent contamination of fresh water, and protect public health and the environment. NMAC § 19.15.17.11(A).
2. Chevron will post an upright sign not less than 12 inches by 24 inches with lettering not less than two inches in height in a conspicuous place on the fence surrounding the BGT, unless the BGT is located on a site where there is an existing well, signed in compliance with NMAC § 19.15.16.8, that is operated by Chevron. Chevron will post the sign in a manner and location such that a person can easily read the legend. The sign will provide the following information: Chevron's name; the location of the site by quarter-quarter or unit letter, section, township and range; and emergency telephone numbers. NMAC § 19.15.17.11(C).
3. Chevron will fence or enclose a BGT in a manner that prevents unauthorized access and will maintain the fences in good repair. Fences are not required if there is an adequate surrounding perimeter fence that prevents unauthorized access to the well site or facility, including the BGT. NMAC § 19.15.17.11(D)(1).
4. Chevron will fence or enclose a BGT located within 1000 feet of a permanent residence, school, hospital, institution or church with a chain link security fence, at least six feet in height with at least two strands of barbed wire at the top. Chevron will close and lock all gates associated with the fence when responsible personnel are not on-site. NMAC § 19.15.17.11(D)(2).
5. Chevron will fence BGTs to exclude livestock with a four foot fence that has at least four strands of barbed wire evenly spaced in the interval between one foot and four feet above ground level. NMAC § 19.15.17.11(D)(3). Chevron may install tubular steel cattle panels, as it determines appropriate (photo of cattle

panel fence submitted to NMOCD, 24 June 2009). As illustrated on the attach photo.

6. Chevron will screen the permanent opening on the tank top with expanding steel mesh in order to render it non-hazardous to wildlife, including migratory birds. NMAC § 19.15.17.11(E).
7. Chevron's BGTs will be constructed with the design features illustrated on the attached drawing.
8. Only double-walled, double-bottomed BGTs will be installed.
9. Chevron will use 3/16" carbon steel which is resistant to the anticipated contents and resistant to damage from sunlight. NMAC § 19.15.17.11(I)(1).
10. Chevron will construct a BGT foundation on a level base free of rocks, debris, sharp edges or irregularities to help prevent punctures, cracks or indentations of the liner or tank bottom. NMAC § 19.15.17.11(I)(2).
11. Chevron will construct a BGT to prevent overflow and the collection of surface water run-on. NMAC § 19.15.17.11(I)(3). Chevron, or a contractor representing Chevron, will install a level control device to help prevent overflow from the BGT and will use berms and/or a diversion ditch to prevent surface run on from entering the BGT. NMAC §§ 19.15.17.11(I)(3), 19.15.17.12(A)(7), and 19.15.17.12(D)(1).
12. All BGTs, in which the side walls are not open for visible inspection for leaks, will be double walled with leak detection capability. NMAC § 19.15.17.11(I)(4)(b).
13. Chevron, as the operator of a below-grade tank constructed and installed prior to June 16, 2008 that does not meet all the requirements in Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC and is not included in Paragraph (6) of Subsection I of 19.15.17.11 NMAC, is not required to equip or retrofit the below-grade tank to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC so long as it demonstrates integrity. If the existing below-grade tank does not demonstrate integrity, the operator shall promptly remove that below-grade tank and install a below-grade tank that complies with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, as illustrated in the approved drawing. Chevron shall comply with the operational requirements of 19.15.17.12 NMAC.

14. Chevron, as the operator of a below-grade tank constructed and installed prior to June 16, 2008 that is single walled and where any portion of the tank sidewall is below the ground surface and not visible, shall equip or retrofit the below-grade tank to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, or close it, within five years after June 16, 2008. If the existing below-grade tank does not demonstrate integrity, Chevron shall promptly remove that below-grade tank and install a below-grade tank that complies with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC, as illustrated in the approved drawing. Chevron shall comply with the operational requirements of 19.15.17.12 NMAC.





NOTES:

1. FABRICATOR TO PRESSURE TEST THE AREA BETWEEN THE TANK WALLS TO ENSURE LEAK-FREE DOUBLE CONTAINMENT.
2. TANK TO BE CONSTRUCTED OF 3/16" THK. ASTM A36 STEEL. ALL PIPING TO BE SCH. 40 CARBON STEEL.
3. DOUBLE WALL DOUBLE BOTTOM.
4. DEPENDING ON THE ORIENTATION OF THE EQUIPMENT ON LOCATION, ONE OF THE STUBS MAY BE CONNECTED TO THE DIFFUSER. ANY OF THE FOUR 2" STUBS THAT ARE NOT CONNECTED TO THE DIFFUSER WILL BE CAPPED BOTH INTERNALLY AND EXTERNALLY.
5. UNDERGROUND TANK CONNECTIONS AND TRANSFER LINES ARE WELDED. ALL UNDERGROUND TRANSFER LINES HAVE A FUSION BONDED EPOXY (FBE) COATING OR SIMILAR
6. CHEVRON WILL CONSTRUCT A BGT FOUNDATION ON A LEVEL BASE FREE OF ROCKS, DEBRIS, SHARP EDGES OR IRREGULARITIES TO HELP PREVENT PUNCTURES, CRACKS OR INDENTATIONS OF THE LINER OR TANK BOTTOM. NMAC 19.15.17.11(I)(2).

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**FORERUNNER**  
CORPORATION  
10000, Houston, Texas 77036  
Tel: 281-465-0000  
Fax: 281-465-0000

REV	BY	DATE	REVISION	ERC CHECKED	ERC APPROVED	DATE	CHEV CHECKED	CHEV APPROVED	DATE
D	RJP	8/26	ADDED NOTE 6.						
C	MDB	3/08	ADDED NOTES						
B	MDB	11/06	REVISED DIFFUSER, ADDED NOTES						
A	JF	8/06	ISSUED FOR APPROVAL						

<b>CHEVRON NORTH AMERICA EXPLORATION AND PRODUCTION</b>				
95 BBL STANDARD BELOW GRADE TANK				
DATE DRAWN: 05/15/06	SCALE: AS NOTED	PROJ. NO: 12088	DWG. NO: 110	REV: D
DRAWN BY: J. FUNK	ENGINEER:	FILE: BLOWDOWN TANK	ECN NO:	



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

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

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  
BGT 1 ☒ 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: Enduring Resources, LLC OGRID #: 372286  
Address: 200 Energy Court Farmington, NM 87401  
Facility or well name: Rincon Unit #91  
API Number: 30-039-06627 OCD Permit Number: \_\_\_\_\_  
U/L or Qtr/Qtr D Section 11 Township 26N Range 7W County: Rio Arriba  
Center of Proposed Design: Latitude 36.505165 Longitude -107.550175 NAD83  
Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.  
☐ **Pit:** Subsection F, G or J of 19.15.17.11 NMAC  
Temporary: ☐ Drilling ☐ Workover  
☐ Permanent ☐ Emergency ☐ Cavitation ☐ P&A ☐ Multi-Well Fluid Management Low Chloride Drilling Fluid ☐ yes ☐ no  
☐ Lined ☐ Unlined Liner type: Thickness \_\_\_\_\_ mil ☐ LLDPE ☐ HDPE ☐ PVC ☐ Other \_\_\_\_\_  
☐ String-Reinforced  
Liner Seams: ☐ Welded ☐ Factory ☐ Other \_\_\_\_\_ Volume: \_\_\_\_\_ bbl Dimensions: L \_\_\_\_\_ x W \_\_\_\_\_ x D \_\_\_\_\_

3.  
☒ **Below-grade tank:** Subsection I of 19.15.17.11 NMAC  
Volume: 45 bbl Type of fluid: Recycled Oil  
Tank Construction material: Galvanized  
☐ 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 Four foot, pipe frame with square wire mesh

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  
☐ NAWithin 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 ☐ NoWithin 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 ☐ NoWithin 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 ☐ NoWithin 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 300 feet 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 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

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



adopted pursuant to NMSA 1978, Section 3-27-3, as amended.

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

☐ Yes ☐ No

Within the area overlying a subsurface mine.

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

☐ Yes ☐ No

Within an unstable area.

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

☐ Yes ☐ No

Within a 100-year floodplain.

- FEMA map

☐ Yes ☐ No

16.

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

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

17.

**Operator Application Certification:**

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

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

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

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

18.

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

**OCD Representative Signature:** CR Whitehead **Approval Date:** October 6, 2021

**Title:** Environmental Specialist **OCD Permit Number:** BGT 1

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:** 11/5/2020

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



22.

**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): Chad Snell Title: HSE Tech

Signature:  Date: 12-9-2020

e-mail address: csnell@enduringresources.com Telephone: 505-444-0586

## Enduring Resources, LLC Below Grade Tank Closure Report

**Lease Name: Rincon Unit #91**

**API No.: 30-039-06627**

**Description: Unit D, Section 11, Township 26N, Range 7W, Rio Arriba County**

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on Enduring Resources, LLC. (Enduring) locations. This is Enduring's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

### **General Plan**

1. Enduring will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.  
**Closure Date is November 5, 2020**
2. Enduring will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.  
**Closure Date is November 5, 2020**
3. Enduring will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.  
**Required C-144 Form is attached to this document.**
4. Enduring will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:
  - Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B
    - Soil contaminated by exempt petroleum hydrocarbons
    - Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes
  - Basin Disposal Permit No. NM01-005
    - Produced water**All liquids and sludge were removed from the tank prior to closure activities.**
5. Enduring will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves.  
**Enduring has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.**

6. Enduring will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.  
**This location is still in production. All other on-site equipment will be utilized in the continued production of oil and gas.**
7. Enduring will test the soils beneath the below-grade tank to determine whether a release has occurred. At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 8015M or other EPA method that the division approves, does not exceed 100mg/kg; and the chloride concentration, as determined by EPA method 9056A or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. Enduring will notify the division of its results on form C-141.

**A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).**

Components	Test Method	Limit (mg/Kg)	Results
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0250 mg/kg
BTEX	EPA SW-846 8021B or 8260B	50	< 0.1 mg/kg
TPH	EPA SW-846 8015M	100	2791 mg/kg
Chlorides	EPA 9056A	250 or background	<20 mg/kg

8. If Enduring or the division determines that a release has occurred, Enduring will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.  
**A release was confirmed for this location due to TPH levels of 2,791 ppm. A separate closure report will be submitted detailing spill closure activities.**
9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, Enduring will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.  
**The site has been backfilled, and will be recontoured and revegetated upon P&A of the wellsite.**
10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally.  
The notification will include the following:
  - i. Operator's name
  - ii. Well Name and API Number
  - iii. Location by Unit Letter, Section, Township, and Range**Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on October 6, 2020; see attached email printout.**

The surface owner shall be notified of Enduring's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

**The BLM was notified on October 6, 2020 via email; see attached email printout.**

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.  
**This site will be recontoured and revegetated once plugging and abandoning activities have been completed. The site will be recontoured to match the above mentioned specifications.**
12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.  
**The area has been backfilled to match these specifications.**
13. Enduring will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will 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.  
**The site will be re-seeded per the BLM MOU once plugging and abandoning activities have been completed.**
14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
  - Proof of closure notice to division and surface owner; **attached**
  - Details on capping and covering, where applicable; **per OCD Specifications**
  - Confirmation sampling analytical results; **attached**
  - Disposal facility name(s) and permit number(s); **attached**
  - Soil backfilling and cover installation; **per OCD Specifications**
  - Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **pursuant to BLM MOU**
  - Photo documentation of the site reclamation. **attached**

Mr. Cory Smith  
Oil Conservation Division  
1000 Rio Brazos Rd.  
Aztec, New Mexico 87410  
Email: cory.smith@state.nm.us  
Phone (505) 334-6178 Ext 115

Re: Variance Request for 19.15.17 NMAC Table I and Table II

Mr. Smith,

Please accept this letter as a variance request as outlined in 19.15.17.15(A) NMAC. Enduring Resources, LLC (Enduring) would like to request the replacement of USEPA Method 418.1 for the analysis of Total Petroleum Hydrocarbons (TPH) for USEPA Method 8015M, measuring carbon ranges C6-C36, for all sampling associated with closures and confirmations samples in relation to 19.15.17 NMAC, both in Table I and Table II (2103) and the 'pit rule' passed in 2008. Enduring is requesting this variance on the grounds that USEPA Method 418.1 is an outdated analytical method that reports a full range of hydrocarbons from C5 through C40 (*Reference: American Petroleum Institute*).

The attached table demonstrates the carbon ranges, and the typical hydrocarbon products that can be found in those ranges. As you can see, lube oil ranges from C28-C35. Analytical Method USEPA 418.1 extends past lube oils from C35 through C40. This range of hydrocarbons is above the range that can reasonably be expected to be found in our field in both drilling pits and beneath below grade tanks. USEPA Method 8015M (GRO/DRO + extended analysis) will report hydrocarbons ranging from C6-C10 for GRO, C10- C28 for DRO, and C28-C36 for extended analysis. This information was provided by Environmental Science Corporation Laboratories. As the information demonstrates, the 8015M analytical method reports as low as C6, reporting lower than USEPA Method 418.1. Utilizing analytical method 8015M, lighter range hydrocarbons will be reported instead of higher range, heavy hydrocarbons that may not be reasonably expected to be found in our field. Utilization of USEPA Method 8015M will better protect groundwater resources by identifying lighter, more mobile hydrocarbons that USEPA Method 418.1 cannot identify. The heavier range hydrocarbons, C36-C40, that are not identified by USEPA Method 8015M are not a mobile form of hydrocarbon, and are not a threat to human health and the environment. With your acceptance of this variance request, Enduring Resources will begin utilizing USEPA Method 8015M in place of USEPA Method 418.1 for all sampling activities associated with 19.15.17 NMAC, both from the rules passed in 2008 and 2013.

Respectfully Submitted,  
Chad Snell  
HSE Tech  
Enduring Resources, LLC

#### **Carbon Ranges of Typical Hydrocarbons**

##### **Hydrocarbon Carbon Range**

**Condensate C2-C12**

**Aromatics C5-C7**

**Gasoline C7-C11**

**Kerosene C6-C16**

**Diesel Fuel C8-C21**

**Fuel Oil #1 C9-C16**

**Fuel Oil #2 C11-C20**

**Heating Oil C14-C20**

**Lube Oil C28-C35**





Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627



Photo: Under BGT



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627



Photo: Under BGT



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627

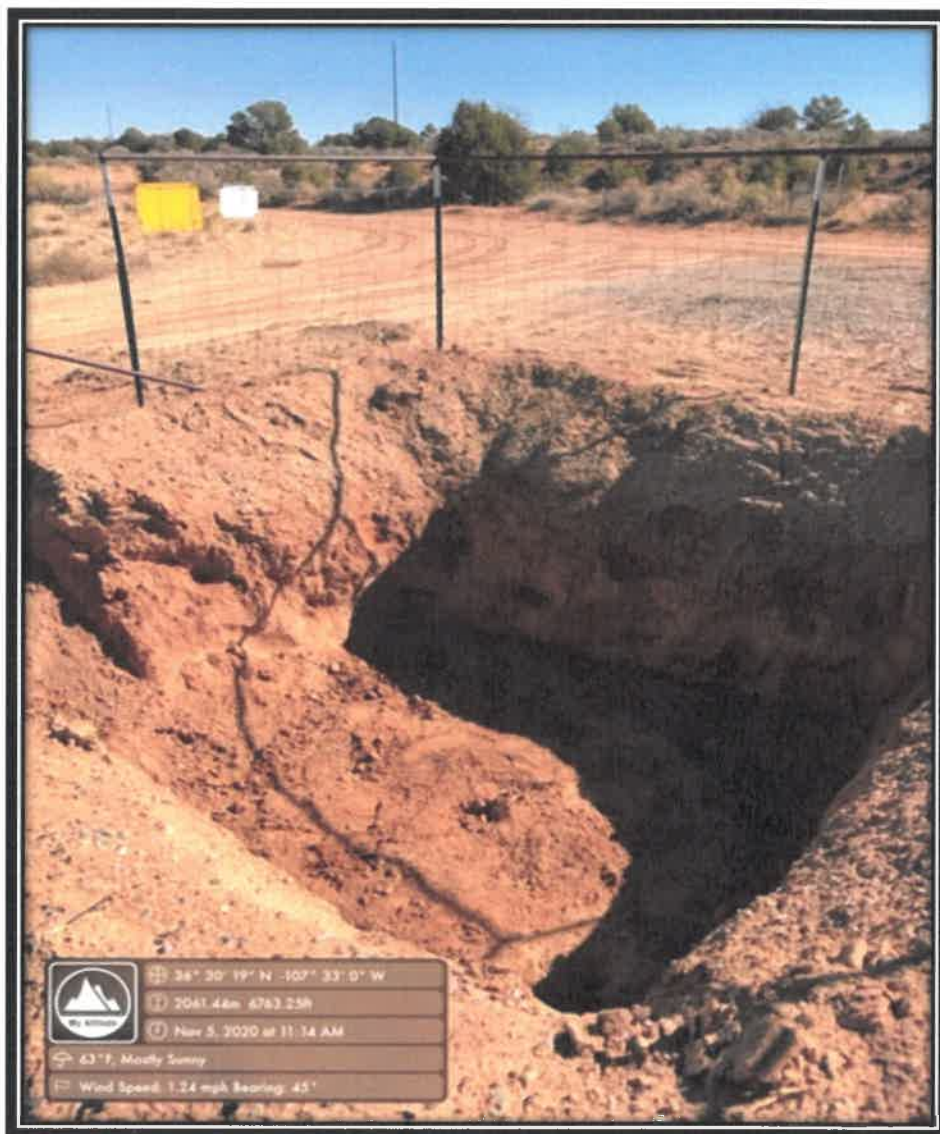


Photo: After excavation





Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627

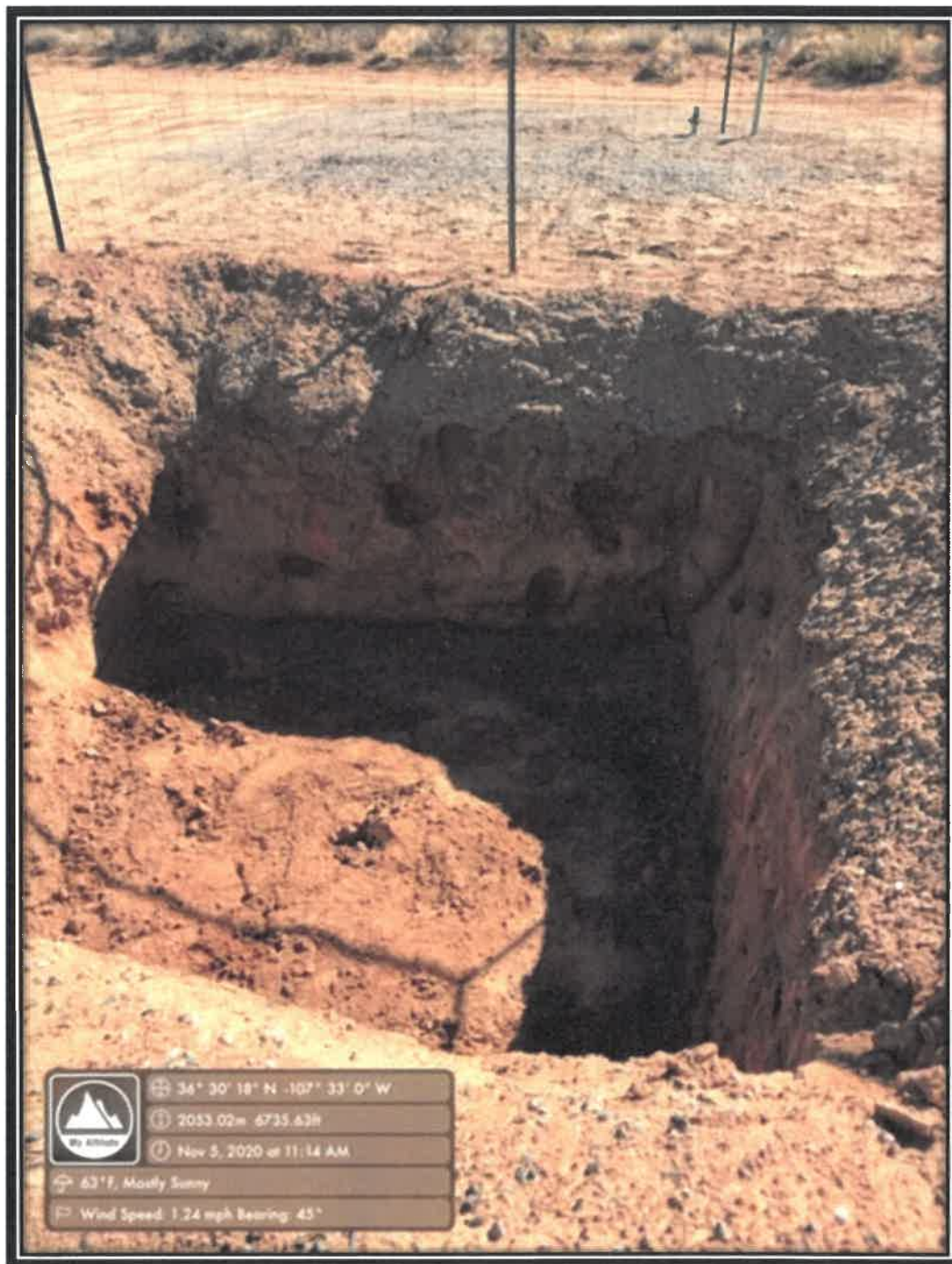


Photo: After Excavation



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627



Photo: Area Backfilled

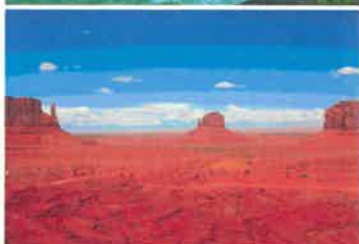


Report to:

Chad Snell

511 16th Street, Suite 700

Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: Rincon 91

Work Order: E010039

Job Number: 17065-0017

Received: 10/9/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/15/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/15/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: Rincon 91  
Workorder: E010039  
Date Received: 10/9/2020 2:05:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/9/2020 2:05:00PM, under the Project Name: Rincon 91.

The analytical test results summarized in this report with the Project Name: Rincon 91 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
[rlopez@envirotech-inc.com](mailto:rlopez@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/20 11:07
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Composite	E010039-01A	Soil	10/09/20	10/09/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2020 11:07:40AM
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## BGT Composite

E010039-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2042003
Benzene	ND	0.0250	1	10/12/20	10/12/20	
Toluene	ND	0.0250	1	10/12/20	10/12/20	
Ethylbenzene	ND	0.0250	1	10/12/20	10/12/20	
p,m-Xylene	ND	0.0500	1	10/12/20	10/12/20	
o-Xylene	ND	0.0250	1	10/12/20	10/12/20	
Total Xylenes	ND	0.0250	1	10/12/20	10/12/20	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/12/20	10/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2042003
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/12/20	10/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID		82.2 %	70-130	10/12/20	10/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AY		Batch: 2042007
Diesel Range Organics (C10-C28)	461	25.0	1	10/13/20	10/13/20	
Oil Range Organics (C28-C35)	2330	50.0	1	10/13/20	10/13/20	
Surrogate: n-Nonane		103 %	50-200	10/13/20	10/13/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2042004
Chloride	ND	20.0	1	10/12/20	10/12/20	





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2020 11:07:40AM
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## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042003-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.8	70-130			

## LCS (2042003-BS1)

Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.67	0.0250	5.00		93.4	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	10.0		102	70-130			
o-Xylene	5.10	0.0250	5.00		102	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

## Matrix Spike (2042003-MS1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.69	0.0250	5.00	ND	93.9	54-133			
Toluene	5.15	0.0250	5.00	ND	103	61-130			
Ethylbenzene	5.24	0.0250	5.00	ND	105	61-133			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
o-Xylene	5.23	0.0250	5.00	ND	105	63-131			
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			

## Matrix Spike Dup (2042003-MSD1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Benzene	4.55	0.0250	5.00	ND	91.1	54-133	2.98	20	
Toluene	4.97	0.0250	5.00	ND	99.4	61-130	3.63	20	
Ethylbenzene	5.06	0.0250	5.00	ND	101	61-133	3.47	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	3.56	20	
o-Xylene	5.01	0.0250	5.00	ND	100	63-131	4.40	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	3.84	20	
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			



## QC Summary Data

Enduring Resources, LLC	Project Name:	Rincon 91	Reported:
511 16th Street, Suite 700	Project Number:	17065-0017	
Denver CO, 80202	Project Manager:	Chad Snell	10/15/2020 11:07:40AM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042003-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.71		8.00		83.9	70-130			

## LCS (2042003-BS2)

Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	51.1	20.0	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.1	70-130			

## Matrix Spike (2042003-MS2)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0	ND	102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.84		8.00		85.5	70-130			

## Matrix Spike Dup (2042003-MSD2)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Gasoline Range Organics (C6-C10)	47.9	20.0	50.0	ND	95.7	70-130	5.90	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.75		8.00		84.3	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2020 11:07:40AM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042007-BLK1)

Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			

## LCS (2042007-BS1)

Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	309	25.0	500		61.9	38-132			
Surrogate: n-Nonane	48.7		50.0		97.4	50-200			

## Matrix Spike (2042007-MS1)

Source: E010035-01 Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	359	25.0	500	ND	71.8	38-132			
Surrogate: n-Nonane	51.4		50.0		103	50-200			

## Matrix Spike Dup (2042007-MSD1)

Source: E010035-01 Prepared: 10/13/20 Analyzed: 10/13/20

Diesel Range Organics (C10-C28)	458	25.0	500	ND	91.6	38-132	24.2	20	R2
Surrogate: n-Nonane	48.6		50.0		97.1	50-200			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/15/2020 11:07:40AM
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## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042004-BLK1)

Prepared: 10/12/20 Analyzed: 10/12/20

Chloride ND 20.0

## LCS (2042004-BS1)

Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 247 20.0 250 98.9 90-110

## Matrix Spike (2042004-MS1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 249 20.0 250 ND 99.7 80-120

## Matrix Spike Dup (2042004-MSD1)

Source: E010035-01 Prepared: 10/12/20 Analyzed: 10/12/20

Chloride 250 20.0 250 ND 99.9 80-120 0.200 20

## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



**Definitions and Notes**

Enduring Resources, LLC	Project Name:	Rincon 91	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	10/15/20 11:07

R2 The RPD exceeded the acceptance limit.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Chain of Custody

## Project Information

[illegible]

**envirotech**

## Envirotech Analytical Laboratory

Printed: 10/9/2020 3:34:41PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Enduring Resources, LLC  
 Phone: (505) 636-9729  
 Email: csnell@EnduringResources.com

Date Received: 10/09/20 14:05  
 Date Logged In: 10/09/20 15:32  
 Due Date: 10/16/20 17:00 (5 day TAT)

Work Order ID: E010039  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Chad Snell

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6±2°C  
 Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:  
 Sample ID? Yes  
 Date/Time Collected? Yes  
 Collector's name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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-141  
 Revised August 24, 2018  
 Submit to appropriate OCD District office

Incident ID	nAPP2035738261
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party: <b>Enduring Resources</b>	OGRID: <b>372286</b>
Contact Name: <b>Chad Snell</b>	Contact Telephone: <b>(505) 444-0586</b>
Contact email: <b>csnell@enduringresources.com</b>	Incident # (assigned by OCD) <b>nAPP2035738261</b>
Contact mailing address: <b>200 Energy Court</b>	<b>Farmington, New Mexico 87401</b>

### Location of Release Source

Latitude 36.505165 Longitude -107.550175  
 (NAD 83 in decimal degrees to 5 decimal places)

Site Name: <b>Rincon 91</b>	Site Type: <b>Wellsite</b>
Date Release Discovered: <b>10/15/2020</b>	API# (if applicable) <b>30-039-06627</b>

Unit Letter	Section	Township	Range	County
<b>D</b>	<b>11</b>	<b>26N</b>	<b>7W</b>	<b>Rio Arriba</b>

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): <b>UNK</b>	Volume Recovered (bbls): <b>NONE</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release:

On 10/09/2020, BGT closure activities were performed at this location. Samples were collected from beneath the location of the BGT after it was removed, and samples results were above Tale I Standards, confirming that a release had occurred. A Spill Closure Report will be submitted detailing spill closure activities.

State of New Mexico  
Oil Conservation Division

Incident ID	nAPP203573826158 of 88
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?

☐ Yes ☒ No

If YES, for what reason(s) does the responsible party consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chad Snell

Title: HSE Tech

Signature: 

Date: 12/9/2020

email: csnell@enduringresources.com

Telephone: (505) 444-0586

#### OCD Only

Received by: \_\_\_\_\_

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

Incident ID	nAPP2035782619 of 88
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

*This information must be provided to the appropriate district office no later than 90 days after the release discovery date.*

What is the shallowest depth to groundwater beneath the area affected by the release?	_____ (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release 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?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

### **Characterization Report Checklist:** *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.



Incident ID	nAPP2035738261
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

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

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	nAPP20357326161 of 88
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

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

Incident ID	nAPP2035738261
District RP	
Facility ID	
Application ID	

## Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

**Closure Report Attachment Checklist:** *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Chad SnellTitle: HSE TechSignature: Date: 12/9/2020email: csnell@enduringresources.comTelephone: (505) 444-0586

### OCD Only

Received by: \_\_\_\_\_

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

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

## Rincon 91 Narrative

**10/9/2020**

BGT Activities occurred at the Rincon 91 due to an unused BGT. The BGT was removed, and a closure sample was collected beneath the former location of the BGT. The BGT Closure Sample returned results above the Table I standards for this location, confirming that a release had occurred; see *Table I Analytical Results* and the *Sampling Map*.

**10/19/2020**

Excavation was performed, excavating the former BGT area to extents of 8' x 8' x 2' deep. Impacted soil sent to Envirotech for disposal.

**11/2/2020**

Notice of sampling activities was sent to Cory Smith with NMOCD and Abiodun Adeloye with BLM that sampling activities would take place on 11/5/2020, see attached *Email Notification*.

**11/5/2020**

Additional sampling performed on the excavated area. A composite sample was collected from the bottom of the excavation, and a composite sample on each of the walls of the excavation. These samples were submitted to Envirotech for analysis. Abiodun Adeloye with the Farmington Field Office of the BLM was on-site to witness sample collection.

**11/12/2020**

All samples returned results below the Table I Standards for this location. No further excavation is required; see attached *Analytical Results* and *Sampling Map*.

**11/17/2020**

Excavated area was backfilled and recontoured to meet NMOCD specifications; see attached *Photo Page*.





**Table I Analytical Results - Rincon 91**

Sample Name	Description	Date	DRO		GRO		ORO		Total	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
			NA	ppm	NA	ppm	NA	ppm	TPH							
<b>STANDARD</b>	<b>Top 4'</b>	<b>NA</b>							100	10	NA	NA	NA	50	600	200 sq. ft.
BGT Composite	BGT Composite	10/9/2020	461	< 20	2330	2791.0	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	NA
Bottom	8' x 8' x 2' deep	11/5/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	64
North Wall	8' x 8' x 2' deep	11/5/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	16
South Wall	8' x 8' x 2' deep	11/5/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	16
East Wall	8' x 8' x 2' deep	11/5/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	16
West Wall	8' x 8' x 2' deep	11/5/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	< 20	16

CLOSURE SAMPLES



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627



Photo: Under BGT





Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627

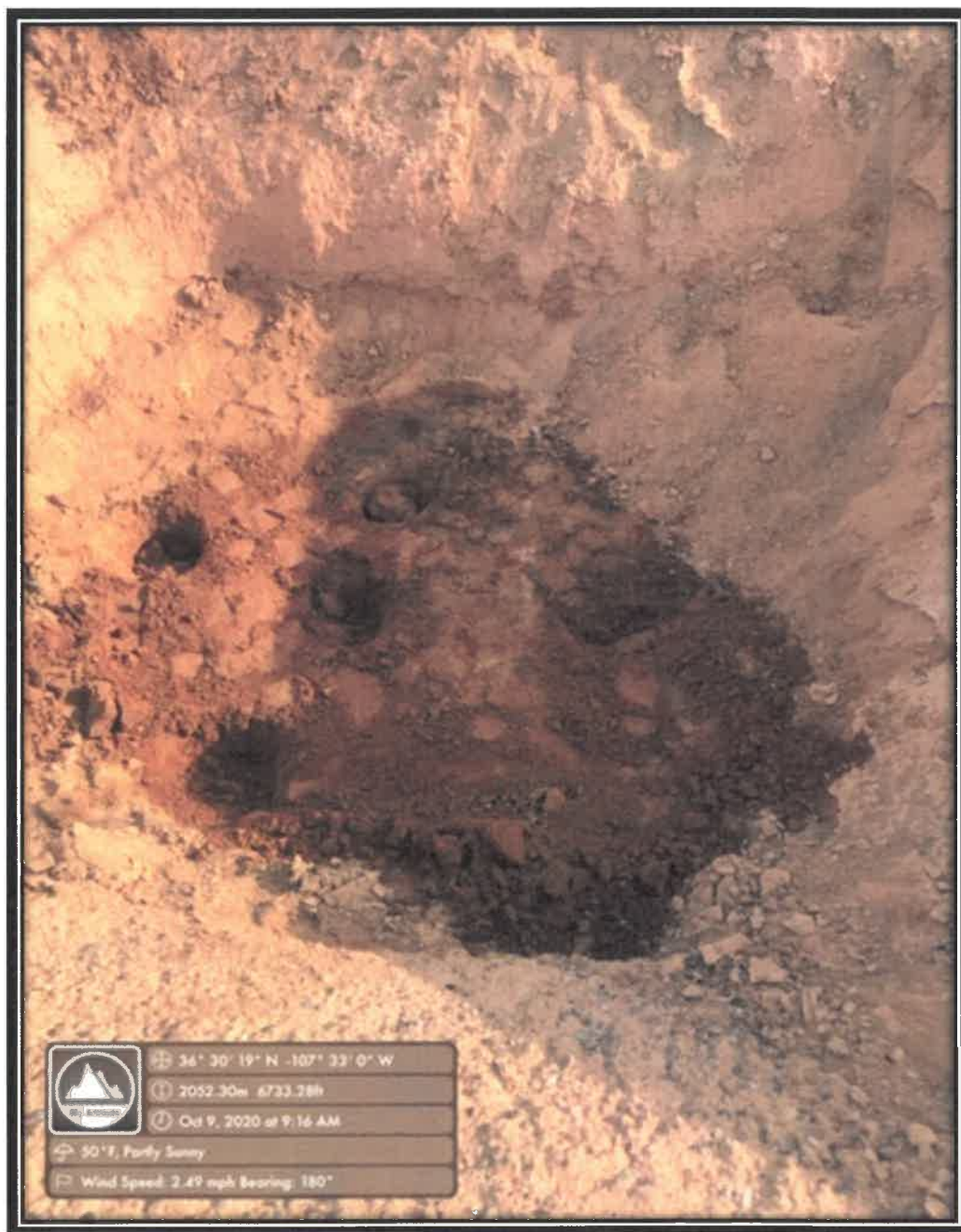


Photo: Under BGT



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627

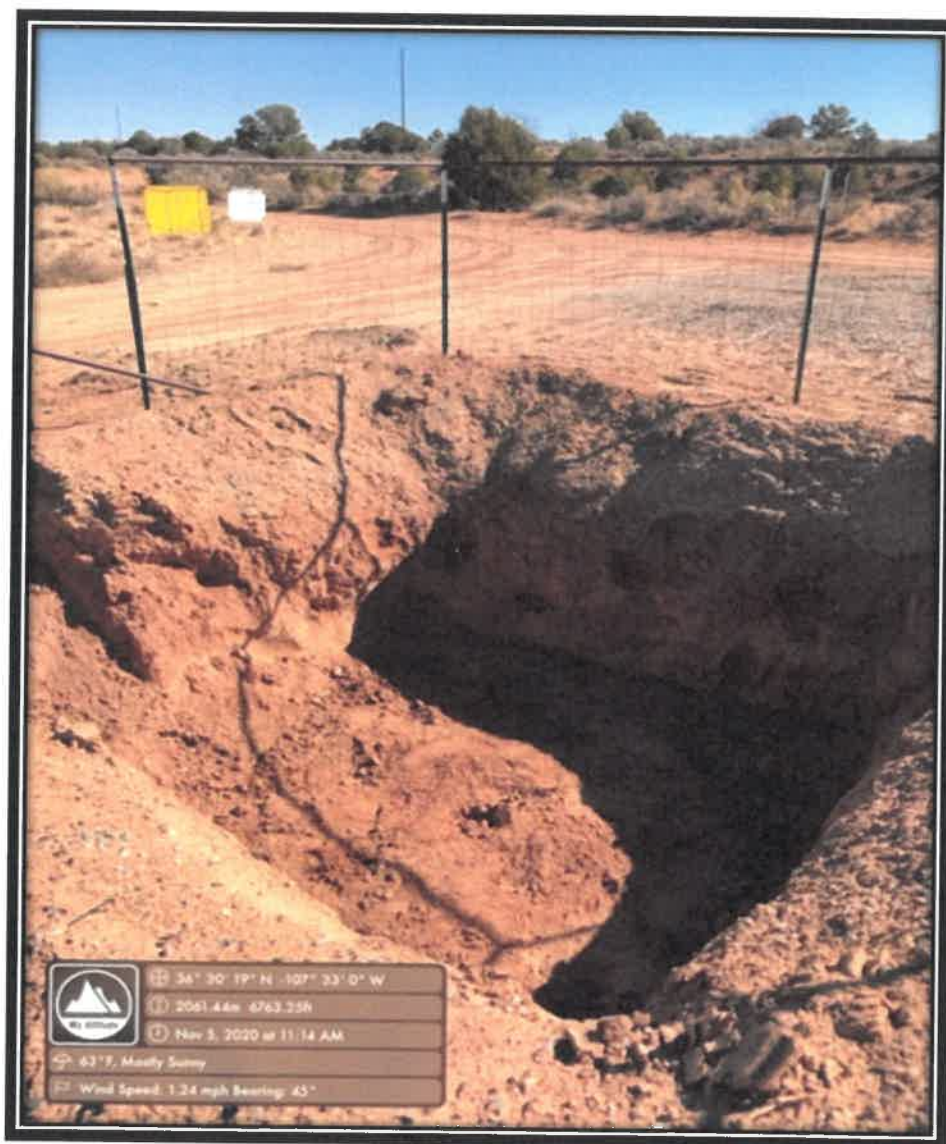


Photo: After excavation





Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627

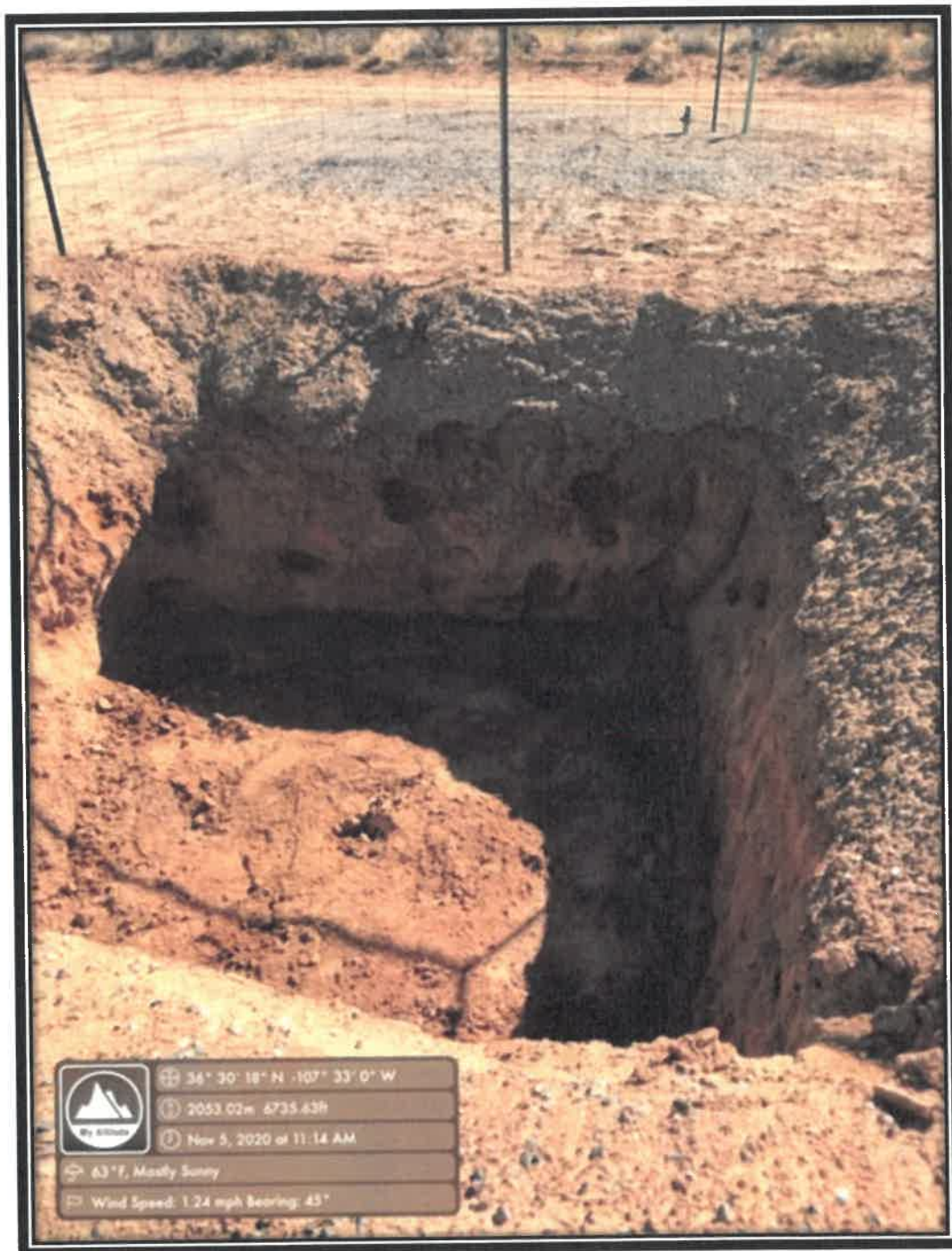


Photo: After Excavation



Enduring Resources, LLC  
BGT Closure Report  
Rincon Unit 91  
30-039-06627



Photo: Area Backfilled

## Chad Snell

---

**From:** Chad Snell  
**Sent:** Monday, November 02, 2020 10:16 AM  
**To:** 'Smith, Cory, EMNRD'; 'aadeloye@blm.gov'  
**Cc:** Kyle Walter  
**Subject:** RE: Rincon Unit 91 BGT Closures

The samples collected from below the BGT at the Rincon 91 were elevated for DRO/ORO, above the 100ppm TPH requirements in the top 4 feet of soil. Additional excavation has been completed and closure sampling will occur on Thursday November 5<sup>th</sup> 2020 at 10:30am. Please let me know if you have any questions.

Thanks.

**From:** Chad Snell  
**Sent:** Tuesday, October 06, 2020 10:40 AM  
**To:** 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>; 'aadeloye@blm.gov' <aadeloye@blm.gov>  
**Cc:** Kyle Walter <KWalter@enduringresources.com>  
**Subject:** Rincon Unit 91 / Rincon Unit 15 BGT Closure

Cory,

Please accept this email as the notification for BGT closure activities at the Rincon 91 (API 30-039-06627) and the Rincon 15 (API 30-039-06544), both located in Section 11 Township 26N Range 7W Rio Arriba County, New Mexico. Closure activities will begin at the Rincon 91 at 9:00am on Friday, October 9<sup>th</sup>. Once finished at the Rincon 91 we will move to the Rincon 15.

Cory,

Can we please request approval of the closure plan for the Rincon 91 and the Rincon 15. BGT Permits were submitted by Chevron on March 1, 2010.

Thanks.

Chad Snell  
HSE Tech  
Enduring Resources  
(505) 444-0586.

Report to:

Chad Snell

511 16th Street, Suite 700

Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: Rincon 91

Work Order: E011019

Job Number: 17065-0017

Received: 11/5/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/12/20

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.



Date Reported: 11/12/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: Rincon 91  
Workorder: E011019  
Date Received: 11/5/2020 1:22:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/5/2020 1:22:00PM, under the Project Name: Rincon 91.

The analytical test results summarized in this report with the Project Name: Rincon 91 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
[rlopez@envirotech-inc.com](mailto:rlopez@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	<b>Reported:</b> 11/12/20 13:36
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Bottom	E011019-01A	Soil	11/05/20	11/05/20	Glass Jar, 4 oz.
West Wall	E011019-02A	Soil	11/05/20	11/05/20	Glass Jar, 4 oz.
South Wall	E011019-03A	Soil	11/05/20	11/05/20	Glass Jar, 4 oz.
East Wall	E011019-04A	Soil	11/05/20	11/05/20	Glass Jar, 4 oz.
North Wall	E011019-05A	Soil	11/05/20	11/05/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/12/2020 1:36:30PM

## Bottom

## E011019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Benzene	ND	0.0250	1	11/09/20	11/10/20	
Toluene	ND	0.0250	1	11/09/20	11/10/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/10/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/10/20	
o-Xylene	ND	0.0250	1	11/09/20	11/10/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/10/20	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		11/09/20	11/10/20	
Surrogate: Toluene-d8	111 %	70-130		11/09/20	11/10/20	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/09/20	11/10/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/10/20	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		11/09/20	11/10/20	
Surrogate: Toluene-d8	111 %	70-130		11/09/20	11/10/20	
Surrogate: Bromofluorobenzene	97.8 %	70-130		11/09/20	11/10/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046002
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/20	11/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/09/20	11/09/20	
Surrogate: n-Nonane	85.5 %	50-200		11/09/20	11/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046014
Chloride	ND	20.0	1	11/10/20	11/11/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/12/2020 1:36:30PM

## West Wall

## E011019-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Benzene	ND	0.0250	1	11/09/20	11/10/20	
Toluene	ND	0.0250	1	11/09/20	11/10/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/10/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/10/20	
o-Xylene	ND	0.0250	1	11/09/20	11/10/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/10/20	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/09/20	11/10/20	
Surrogate: Toluene-d8		113 %	70-130	11/09/20	11/10/20	
Surrogate: Bromofluorobenzene		95.4 %	70-130	11/09/20	11/10/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/10/20	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/09/20	11/10/20	
Surrogate: Toluene-d8		113 %	70-130	11/09/20	11/10/20	
Surrogate: Bromofluorobenzene		95.4 %	70-130	11/09/20	11/10/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046002
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/20	11/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/09/20	11/09/20	
Surrogate: n-Nonane		89.0 %	50-200	11/09/20	11/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046014
Chloride	ND	20.0	1	11/10/20	11/11/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/12/2020 1:36:30PM

## South Wall

E011019-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046001	
Benzene	ND	0.0250	1	11/09/20	11/09/20	
Toluene	ND	0.0250	1	11/09/20	11/09/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/09/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/09/20	
o-Xylene	ND	0.0250	1	11/09/20	11/09/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		11/09/20	11/09/20	
Surrogate: Toluene-d8	109 %	70-130		11/09/20	11/09/20	
Surrogate: Bromofluorobenzene	95.8 %	70-130		11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		11/09/20	11/09/20	
Surrogate: Toluene-d8	109 %	70-130		11/09/20	11/09/20	
Surrogate: Bromofluorobenzene	95.8 %	70-130		11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046002	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/20	11/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/09/20	11/09/20	
Surrogate: n-Nonane	87.5 %	50-200		11/09/20	11/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046014	
Chloride	ND	20.0	1	11/10/20	11/11/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/12/2020 1:36:30PM

## East Wall

E011019-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Benzene	ND	0.0250	1	11/09/20	11/09/20	
Toluene	ND	0.0250	1	11/09/20	11/09/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/09/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/09/20	
o-Xylene	ND	0.0250	1	11/09/20	11/09/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/09/20	11/09/20	
Surrogate: Toluene-d8	112 %	70-130		11/09/20	11/09/20	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2046001
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		11/09/20	11/09/20	
Surrogate: Toluene-d8	112 %	70-130		11/09/20	11/09/20	
Surrogate: Bromofluorobenzene	97.7 %	70-130		11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2046002
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/20	11/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/09/20	11/09/20	
Surrogate: n-Nonane	88.7 %	50-200		11/09/20	11/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2046014
Chloride	ND	20.0	1	11/10/20	11/11/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/12/2020 1:36:30PM

## North Wall

E011019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046001	
Benzene	ND	0.0250	1	11/09/20	11/09/20	
Toluene	ND	0.0250	1	11/09/20	11/09/20	
Ethylbenzene	ND	0.0250	1	11/09/20	11/09/20	
p,m-Xylene	ND	0.0500	1	11/09/20	11/09/20	
o-Xylene	ND	0.0250	1	11/09/20	11/09/20	
Total Xylenes	ND	0.0250	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/09/20	11/09/20	
Surrogate: Toluene-d8		111 %	70-130	11/09/20	11/09/20	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2046001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/09/20	11/09/20	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	11/09/20	11/09/20	
Surrogate: Toluene-d8		111 %	70-130	11/09/20	11/09/20	
Surrogate: Bromofluorobenzene		97.5 %	70-130	11/09/20	11/09/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2046002	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/09/20	11/09/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/09/20	11/09/20	
Surrogate: n-Nonane		73.3 %	50-200	11/09/20	11/09/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2046014	
Chloride	ND	20.0	1	11/10/20	11/11/20	



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/12/2020 1:36:30PM
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## Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046001-BLK1)

Prepared: 11/09/20 Analyzed: 11/10/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			

## LCS (2046001-BS1)

Prepared: 11/09/20 Analyzed: 11/10/20

Benzene	2.37	0.0250	2.50		95.0	70-130			
Toluene	2.71	0.0250	2.50		109	70-130			
Ethylbenzene	2.68	0.0250	2.50		107	70-130			
p,m-Xylene	5.04	0.0500	5.00		101	70-130			
o-Xylene	2.49	0.0250	2.50		99.4	70-130			
Total Xylenes	7.53	0.0250	7.50		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			

## Matrix Spike (2046001-MS1)

Source: E011025-01 Prepared: 11/09/20 Analyzed: 11/10/20

Benzene	2.37	0.0250	2.50	ND	94.6	48-131			
Toluene	2.65	0.0250	2.50	ND	106	48-130			
Ethylbenzene	2.62	0.0250	2.50	ND	105	45-135			
p,m-Xylene	4.91	0.0500	5.00	ND	98.2	43-135			
o-Xylene	2.45	0.0250	2.50	ND	98.1	43-135			
Total Xylenes	7.36	0.0250	7.50	ND	98.2	43-135			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.555		0.500		111	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			

## Matrix Spike Dup (2046001-MSD1)

Source: E011025-01 Prepared: 11/09/20 Analyzed: 11/09/20

Benzene	2.53	0.0250	2.50	ND	101	48-131	6.70	23	
Toluene	2.83	0.0250	2.50	ND	113	48-130	6.66	24	
Ethylbenzene	2.79	0.0250	2.50	ND	112	45-135	6.30	27	
p,m-Xylene	5.27	0.0500	5.00	ND	105	43-135	7.04	27	
o-Xylene	2.60	0.0250	2.50	ND	104	43-135	5.99	27	
Total Xylenes	7.87	0.0250	7.50	ND	105	43-135	6.70	27	
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.553		0.500		111	70-130			
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			



## QC Summary Data

Enduring Resources, LLC	Project Name:	Rincon 91	Reported:
511 16th Street, Suite 700	Project Number:	17065-0017	
Denver CO, 80202	Project Manager:	Chad Snell	11/12/2020 1:36:30PM

## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046001-BLK1)

Prepared: 11/09/20 Analyzed: 11/10/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		94.0	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			

## LCS (2046001-BS2)

Prepared: 11/09/20 Analyzed: 11/10/20

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.567		0.500		113	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			

## Matrix Spike (2046001-MS2)

Source: E011025-01 Prepared: 11/09/20 Analyzed: 11/10/20

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.2	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.8	70-130			

## Matrix Spike Dup (2046001-MSD2)

Source: E011025-01 Prepared: 11/09/20 Analyzed: 11/09/20

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0	ND	104	70-130	0.696	20	
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.565		0.500		113	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/12/2020 1:36:30PM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046002-BLK1)

Prepared: 11/09/20 Analyzed: 11/09/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.8	50-200			

## LCS (2046002-BS1)

Prepared: 11/09/20 Analyzed: 11/09/20

Diesel Range Organics (C10-C28)	418	25.0	500		83.5	38-132			
Surrogate: n-Nonane	45.3		50.0		90.6	50-200			

## Matrix Spike (2046002-MS1)

Source: E011019-01 Prepared: 11/09/20 Analyzed: 11/09/20

Diesel Range Organics (C10-C28)	430	25.0	500	ND	86.0	38-132			
Surrogate: n-Nonane	41.5		50.0		82.9	50-200			

## Matrix Spike Dup (2046002-MSD1)

Source: E011019-01 Prepared: 11/09/20 Analyzed: 11/09/20

Diesel Range Organics (C10-C28)	428	25.0	500	ND	85.7	38-132	0.431	20	
Surrogate: n-Nonane	45.4		50.0		90.9	50-200			





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: Rincon 91 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/12/2020 1:36:30PM
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## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046014-BLK1)

Prepared: 11/10/20 Analyzed: 11/11/20

Chloride ND 20.0

## LCS (2046014-BS1)

Prepared: 11/10/20 Analyzed: 11/11/20

Chloride 251 20.0 250 100 90-110

## Matrix Spike (2046014-MS1)

Source: E011019-01 Prepared: 11/10/20 Analyzed: 11/11/20

Chloride 250 20.0 250 ND 99.9 80-120

## Matrix Spike Dup (2046014-MSD1)

Source: E011019-01 Prepared: 11/10/20 Analyzed: 11/11/20

Chloride 249 20.0 250 ND 99.7 80-120 0.204 20

## QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: Rincon 91  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
11/12/20 13:36

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.





## Envirotech Analytical Laboratory

Printed: 11/5/2020 1:31:33PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Enduring Resources, LLC	Date Received:	11/05/20 13:22	Work Order ID:	E011019
Phone:	(505) 636-9729	Date Logged In:	11/05/20 13:26	Logged In By:	Alexa Michaels
Email:	csnell@EnduringResources.com	Due Date:	11/12/20 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion.

Carrier: Chad SnellSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temps 4°C, i.e., 6±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pencil sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 45168

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 45168
	Action Type: [C-144] Below Grade Tank Plan (C-144B)

CONDITIONS

Created By	Condition	Condition Date
cwhitehead	C-144 Closure approved; however, due to release notice for a pre-08 tank, please resolve the final closure with the following incident number: NCZW2127960310	10/6/2021