ENSOLUM

ENDURING RESOURCES IV, LLC

RINCON UNIT 2706-29O PERMIT MODIFICATION TO WATER RECYCLING FACILITY 3RF-55

SEPTEMBER 2, 2025

Ensolum, LLC | Environmental & Hydrogeologic Consultants
848 East 2nd Avenue | Durango, Colorado 81301
www.ensolum.com

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

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

Form C-147
Revised April 3, 2017

Recycling Facility and/or Recycling Containment

Type of Facility: ☒ Recycling Facility ☒ Recycling Containment*

Type of action: ☐ Permit ☐ Registration
☒ Modification ☐ Extension
☐ Closure ☐ Other (explain) _____

*** At the time C-147 is submitted to the division for a Recycling Containment, a copy shall be provided to the surface owner.**

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 IV, LLC** (For multiple operators attach page with information) OGRID #: **372286**

Address: **200 Energy Court, Farmington, NM 87401**

Facility or well name (include API# if associated with a well): **Rincon Unit 2706-29O**

OCD Permit Number: **3RF-55** (For new facilities the permit number will be assigned by the district office)

U/L or Qtr/Qtr **O** Section **29** Township **27N** Range **6W** County: **Rio Arriba**

Surface Owner: ☒ Federal ☐ State ☐ Private ☐ Tribal Trust or Indian Allotment

2.

☒ **Recycling Facility:**

Location of recycling facility (if applicable): Latitude **36.539671** Longitude **-107.490588** NAD83

Proposed Use: ☒ Drilling* ☒ Completion* ☒ Production* ☐ Plugging *

The re-use of produced water may NOT be used until fresh water zones are cased and cemented

☐ Other, ***requires permit for other uses. Describe use, process, testing, volume of produced water and ensure there will be no adverse impact on groundwater or surface water.***

☒ Fluid Storage

☒ Above ground tanks ☐ Recycling containment ☐ Activity permitted under 19.15.17 NMAC explain type_____

☐ Activity permitted under 19.15.36 NMAC explain type:_____ ☐ Other explain _____

☐ For multiple or additional recycling containments, attach design and location information of each containment

☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date:_____

3.

☒ **Recycling Containment:**

☐ Annual Extension after initial 5 years (attach summary of monthly leak detection inspections for previous year)

Center of Recycling Containment (if applicable): Latitude **36.539671** Longitude **-107.490588** NAD83

☐ For multiple or additional recycling containments, attach design and location information of each containment

☒ Lined ☒ Liner type: Thickness **30** mil ☒ LLDPE ☐ HDPE ☐ PVC ☐ Other _____

☒ String-Reinforced

Liner Seams: ☒ Welded ☒ Factory ☐ Other _____ Volume: **2,400** bbl Dimensions: **x6 13' Diameter Tanks**

☐ Recycling Containment Closure Completion Date:_____

4.

Bonding:

☒ Covered under bonding pursuant to 19.15.8 NMAC per 19.15.34.15(A)(2) NMAC **(These containments are limited to only the wells owned or operated by the owners of the containment.)**

☐ Bonding in accordance with 19.15.34.15(A)(1). Amount of bond $_____ **(work on these facilities cannot commence until bonding amounts are approved)**_____

☐ Attach closure cost estimate and documentation on how the closure cost was calculated.

5.

Fencing:

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

☒ Alternate. Please specify___**Variance Requested**_____

6.

Signs:

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

☐ Signed in compliance with 19.15.16.8 NMAC

7.

Variances:

Justifications and/or demonstrations that the proposed variance will afford reasonable protection against contamination of fresh water, human health, and the environment.

Check the below box only if a variance is requested:

☒ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval. If a Variance is requested, include the variance information on a separate page and attach it to the C-147 as part of the application.

If a Variance is requested, it must be approved prior to implementation.

8.

Siting Criteria for Recycling Containment

Instructions: The applicant must provide attachments that demonstrate compliance for each siting criteria below as part of the application. Potential examples of the siting attachment source material are provided below under each criteria.

General siting

Ground water is less than 50 feet below the bottom of the Recycling Containment. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☒ No ☐ NA
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. - Written confirmation or verification from the municipality; written approval obtained from the municipality	☐ Yes ☒ No ☐ NA
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Minerals 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
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

9.
Recycling Facility and/or Containment Checklist:
Instructions: Each of the following items must be attached to the application. Indicate, by a check mark in the box, that the documents are attached.

- ☒ Design Plan - based upon the appropriate requirements.
- ☒ Operating and Maintenance Plan - based upon the appropriate requirements.
- ☒ Closure Plan - based upon the appropriate requirements.
- ☒ Site Specific Groundwater Data -
- ☒ Siting Criteria Compliance Demonstrations –
- ☒ **Certify that notice of the C-147 (only) has been sent to the surface owner(s)**

10.
Operator Application Certification:
I hereby certify that the information and attachments submitted with this application are true, accurate and complete to the best of my knowledge and belief.

Name (Print): **Heather Huntington** Title: **Regulatory Specialist**
Signature: Heather Huntington Date: **09/02/2025**
e-mail address: **hhuntington@enduringresources.com** Telephone: **505-636-9751**

11.
OCD Representative Signature: Victoria Venegas **Approval Date:** 10/27/2025
Title: Environmental Specialist **OCD Permit Number:** 3RF-55

- [X] OCD Conditions
- [X] Additional OCD Conditions on Attachment

Table of Contents

Appendices

1.0 INTRODUCTION

Operator	Enduring Resources IV, LLC
OGRID	372286
Facility Name	3RF-55, Rincon Unit 2706-29O
Facility Type	Recycling Facility and Recycling Containment
Facility ID	fCS1921338052
Location	Section 29, T27N, R6W, Rio Arriba County
Surface Owner	Federal – Bureau of Land Management (BLM)

In accordance with 19.15.34 of the New Mexico Administrative Code (NMAC), Enduring Resources IV, LLC (Enduring) requests a modification to Permit 3RF-55 to reflect changes in the type and volume of water storage at the Rincon Unit 2706-29O Recycling Facility (Facility). The Facility originally consisted of five, 60,000 barrel (bbl) aboveground tanks to be used to treat and recycle produced water for re-use during Enduring well completion activities. The existing tanks were removed and will be replaced with six, 400-barrel (bbl) steel tanks. The five 60,000 bbl above ground tanks were removed and closure sampling conducted. The tank closure was approved June 12, 2025 and can be found in the facility file on the NMOCD portal under action ID 473691. This Facility will not be used for the disposal of produced water.

The Facility and associated Recycling Containment (Containment) is located at 36.539671° N, 107.490588° W, within Section 29, Township 27N, Range 6W in Rio Arriba County. Enduring is the operator of the applicable oil and gas mineral rights at this location. The surface owner (Bureau of Land Management, BLM), as part of the Rincon Unit plan of development (POD), has been notified and approved of the placement of this Facility/Containment as designed in the POD.

This document provides the information regarding the modifications to Permit 3RF-55 that is required by the New Mexico Oil Conservation Division (NMOCD).

1.1 RECYCLING CONTAINMENT REGISTRATION EXPIRATION AND RENEWAL

The Containment will be operated for up to five years from the date on which the original registration was filed with the NMOCD on July 12, 2022. If needed, Enduring will request annual extensions after the five-year registration period to continue operations. This will require the submission of Form C-147 to the NMOCD at least 30 days prior to the expiration of the original registration. The extension request will include a summary of all monthly inspections of containments, including monitoring of the leak detection systems indicating that the containment integrity has not been compromised.

ENSOLUM

2.0 SITING CRITERIA

The location of the Facility/Containment has been evaluated based on the siting requirements presented in 19.15.34.11 NMAC. The siting requirements and justification for this location is further described below. Assessment of potential nearby receptors was conducted through desktop reviews of topographic maps, Federal Emergency Management Administration (FEMA) Geographic Information System (GIS) maps, United States Geological Survey (USGS) maps, New Mexico Office of the State Engineer database, and aerial photographs, as well as site-specific observations. Topographic maps, plats, and aerial photographs depicting these siting requirements are presented in Appendices A and B.

- ***Groundwater is greater than 50 feet below the bottom of the containment:*** A test well was drilled on April 24, 2019 by GeoMat, Inc. A map and boring logs are included in Appendix C. The deepest boring was advanced to 85 feet below ground surface (bgs) with no groundwater encountered to this depth. As such, groundwater at the Facility/Containment is greater than 85 feet bgs.

- ***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 Facility/Containment is not located within any incorporated municipal boundaries or within a defined municipal fresh water well field.

- ***Within the area overlying a subsurface mine:***
  According to New Mexico Energy, Minerals and Natural Resources Department (EMNRD) Mining and Minerals Divisions database, there are no subsurface mines in Section 29, Township 27 North, Range 6 West, Rio Arriba County. As such, the Facility/Containment is not located within an area overlying a subsurface mine

- ***Within an unstable area:***
  Per USGS and geological mapping of the area, the Facility/Containment is not located within an unstable area and is not on the side of a hill.

- ***Within a 100-year floodplain (FEMA map):***
  The Facility/Containment is not located within a 100-year floodplain as shown on the FEMA database and on the aerial and topographic maps provided.

- ***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):***
  The Facility/Containment is not located within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake as shown on the aerial or topographic maps provided and verified on August 15, 2024 by Enduring personnel. The nearest watercourse is an unnamed, dry wash located approximately 850 feet to the west.

ENSOLUM

- ***Within 1,000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of the initial application:***
  The Facility/Containment is not located within 1,000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of this application, as shown on the aerial or topo maps provided and verified on August 15, 2024 by Enduring personnel.

- ***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***:
  The Facility/Containment is not located within 500 horizontal feet of a spring or fresh water well used for domestic or stock watering purposes in existence at the time of this modification as shown on the aerial or topo maps provided. According to the NMOSE iWaters database, the nearest permitted groundwater well with depth to water information is SJ-00213, located approximately 0.54 miles south. Depth to water in this well is 485 feet bgs.

- ***Within 500 feet of a wetland:***
  The Facility/Containment is not located within 500 feet of a wetland as shown on the aerial or topo maps provided and verified on August 15, 2024 by Enduring personnel.

ENSOLUM

3.0 MODIFIED DESIGN AND CONSTRUCTION SPECIFICATIONS

Pursuant to 19.15.34.12 NMAC, the following modified Design Plan presents the minimum standards and specifications for the design and construction of the proposed Recycling Containment at the Rincon Unit 2706-29O site. The Facility and Containment have been designed to prevent releases and potential overtopping due to wave action (by wind) or rainfall.

3.1 FOUNDATION CONSTRUCTION

The Containment will be constructed on an existing well pad, which is level and vacant. The Facility will be constructed with a foundation consisting of a firm, unyielding base free of rocks, debris, and sharp edges. A geotextile fabric will be placed under the secondary liner of each Containment to reduce stress-strain on the liner. Because the containments are located above ground, they will not be subject to water run-on.

3.2 LINER AND LEAK DETECTION CONSTRUCTION

The modified Facility will consist of six, 400-bbl welded steel frac tanks located within a double lined containment. In order to prevent spills and/or releases, the tanks will be placed on top of a common 30-mil thickness LLDPE primary (upper) string-reinforced liner and a 30-mil LLDPE secondary (lower) string-reinforced liner. The primary liner is designed to be impervious, synthetic material that will resist deterioration by ultraviolet light, petroleum hydrocarbons, salt solutions, and acidic/alkaline solutions. Both liners will meet or exceed the compatibility requirements of the United States Environmental Protection Agency (EPA) SW-846 Method 9090A. The liners will extend approximately 4 vertical feet and be attached to exterior side of Muscle Walls® as shown in Appendix D. Specifications for the Muscle Walls® are also included in Appendix D.

Liner seams will be minimized and will be oriented vertically up and down the containment walls, and not horizontally across the containment. Factory welded seams will be incorporated, where possible. Field seams, welding, and testing on the geosynthetic liners will be performed by a manufacturer qualified person. For any field seams, the liners will overlap 4 to 6 inches and be thermally sealed. Field seams will be avoided or minimized in corners and irregularly shaped areas. Discharge into, or suction from, the Containment will be inside the steel frac tanks; therefore, liner protection from excessive hydrostatic force or mechanical damage is not required. Additionally, external discharge or suction lines will not penetrate the liners.

A leak detection system will be installed between the upper and lower liners of each containment and will consist of a 200-mil geonet drainage layer. The leak detection system will cover the bottom and sides of the containments. A 6-inch PVC pipe will be inserted in a sump at the bottom of the containment and between the liners. The sump piping will be checked weekly with a water-level meter to determine if leakage is occurring through the primary liners. If water is detected in the leak detection sump, water will be removed to assess if water returns indicating a leak in the primary liner. Controls for surface water run-on is not needed due to the containments being aboveground tanks.

ENSOLUM

3.3 SIGNAGE

The Facility will maintain a sign no less than 12 inches by 24 inches with lettering not less than 2 inches in height in a conspicuous place near the Facility entrance. The sign contains the operator's name, location of the facility by quarter-quarter or unit letter, Section, Township, Range, and emergency phone numbers.

3.4 FENCING

Please see variance request below in Section 4.

With the recycling containment being enclosed frac tanks, entrance to containment would have to be intentional. There is no risk of accidental entrance into the containment by wildlife or the public. The site will be maintained to prevent harm to wildlife and the public.

3.5 NETTING

If open-top tanks are utilized, Enduring will install bird netting over each tank. The netting will be inspected monthly for disrepair and/or dead migratory birds found in the containments. Enduring will report dead migratory birds and/or other wildlife to the appropriate wildlife agency and to the NMOCD within 30 days of discovery.

ENSOLUM

4.0 MAINTENANCE AND OPERATIONAL REQUIREMENTS

Pursuant to 19.15.34.13 NMAC, Enduring will follow the maintenance and operational requirements described below. At a minimum, Enduring will perform weekly inspections on the containment and leak detection system while the frac tanks hold fluids. Enduring will maintain inspection records and make them available for review by the NMOCD.

- Enduring will remove any visible oil from the surface of the containments upon discovery.
- Enduring will maintain a minimum of three feet of freeboard in the frac tanks (if open top) at all times.
- If a leak or tear is discovered in the containment's primary liner, Enduring will repair the primary liner within 48 hours or request an extension on repair within the 48-hour time limit.
- The Facility will be operated in such a way to prevent the collection of surface water.
- An oil absorbent boom or other device will be onsite to contain an unanticipated release.
- The Facility will not be used for the storage or discharge of hazardous waste.

4.1 REPORTING AND RECORD KEEPING

During the operation, Enduring will keep accurate records and provide monthly reports to the NMOCD. The monthly reports will include:

- The total volume of water received for recycling,
- A separate list tracking the volume of fresh water received, and
- The total volume of water leaving the Facility for disposition of use.

Water volumes will be reported on NMOCD Form C-148. Accurate records identifying the sources and disposition of recycled water will be maintained during the operation of the Facility and made available for review to the NMOCD upon request.

4.2 CESSATION OF OPERATIONS

Enduring will consider the Containment to have ceased operations if less than 20 percent of the total fluid volume is used in six (6) months following the first withdrawal of produced water. Enduring will report cessation of operations to the appropriate NMOCD district office. If additional time is needed for closure, Enduring will request an extension from the appropriate NMOCD district office prior to the expiration of the initial six month time period.

ENSOLUM

5.0 CLOSURE PLAN

Pursuant to 19.15.34.14 NMAC, the activities summarized below describe the closure and reclamation requirements for the Facility. Within 60 days of completion of closure, Enduring will submit a closure report on NMOCD Form C-147 and include required attachments to document all closure activities, sampling results, and details on backfilling, capping, or covering, where applicable.

5.1 CONTAINMENT CLOSURE

Enduring will remove all fluids from the Facility within 60 days from the date that operations cease and close the containments within six months from the date that Enduring ceases operations. Alternatively, Enduring can request an extension for the removal of fluids from the NMOCD not to exceed an additional two months. Enduring can also request an extension for the closure of the containments, not to exceed an additional six months. The operator shall close the recycling containments by first removing all fluids, contents, synthetic liners, and leak detection piping and transferring these materials to a NMOCD-approved facility for disposal.

5.2 CLOSURE SOIL SAMPLING

Once the containments are removed from the facility, Enduring will test the soils beneath each containment for contamination by collecting a five-point composite soil sample, which will include any stained or wet soils, and analyze the sample for the constituents listed in the following table:

Components	Test Method	Concentration Limit for Groundwater Depth of 50 – 100 Feet (mg/kg)	Concentration Limit for Groundwater Depth of >100 Feet Limit (mg/kg)
Chloride	EPA 300.0	10,000	20,000
TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500	2,500
GRO + DRO	EPA SW-846 Method 8015M	1,000	1,000
BTEX	EPA SW-846 Method 8021B or 8260B	50	50
Benzene	EPA SW-846 Method 8021B or 8260B	10	10

If any contaminant concentration is higher than the limits listed above, the NMOCD may require additional delineation upon review of the results and Enduring must receive approval before proceeding with closure. If all contaminant concentrations are less than or equal to the limits listed above, then Enduring can proceed to backfill with non-waste containing, uncontaminated, earthen material.

ENSOLUM

5.3 RECLAMATION

Enduring will reclaim the Containment to a safe and stable condition that blends with the surrounding undisturbed area. Topsoil and subsoil will be replaced to their original relative positions and contoured to achieve erosion control, long term stability, and preservation of surface water flow patterns. The disturbed area will then be reseeded in the first favorable growing season following closure. The impacted surface area will be restored to the condition that existed prior to construction.

Reclamation of all disturbed areas no longer in use shall be considered complete when all ground disturbing activities have been completed and a uniform vegetative cover has been established that reflects a life-form ratio of plus or minus fifty percent of pre-disturbance levels and total percent plant cover of at least seventy percent of pre-disturbance levels excluding noxious weeds. Soil cover and revegetation as required in 19.15.34.14 NMAC will be met in addition to the reclamation requirements by BLM (surface owner), which have provided for more stringent requirements for this facility location.

ENSOLUM

6.0 VARIANCE REQUEST

Enduring Resources is requesting variances to the below listed items as outlined in 19.15.34.16 NMAC. This Containment/Facility will consist of self-contained free-standing structures instead of a lined earthen pit. The variances requested below will provide equal or better protection of fresh water, public health, and the environment.

Inside/Outside Levee Slopes: Enduring requests a variance to NMAC 19.15.34.12 (A)(2) which applies to a lined earthen pit. The containment consists of aboveground welded steel frac tanks and not an in-ground pond. Therefore, the containment will not have inside/outside levee slopes. The tanks are self-contained free-standing structures that will provide equal or better protection than the requirements listed in 19.15.34.12 NMAC.

Liner Anchoring: Enduring requests a variance to NMAC 19.15.34.12 (A)(3) which applies to a lined earthen pit. This statute is not applicable to a welded steel frac tanks. Liners used for this application are for secondary containment purposes. This design will provide equal or better protection than the requirements listed in 19.15.34.12. NMAC.

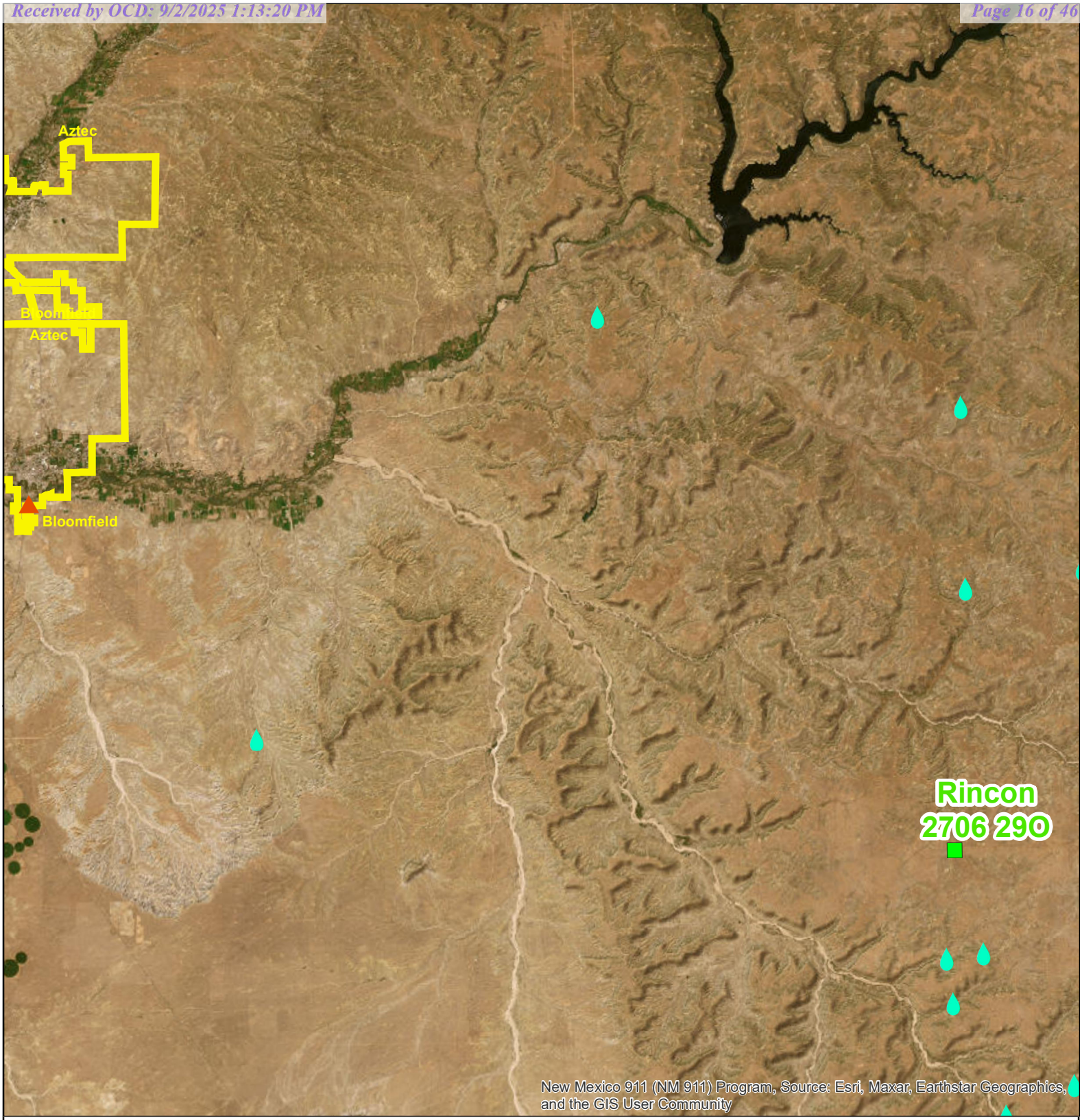
Primary Liner: Enduring requests a variance to NMAC 19.15.34.12 (A)(4) which applies to the thickness of the primary liner. Enduring Resources proposes the use of a 30-mil LLDPE primary liner. Because the liners are used as secondary containment for the frac tanks, the proposed variance will provide equal or better protection of fresh water, public health and the environment, as the proposed liner meets all other the requirements of NMAC 19.15.34.12 (A)(4).

Fencing: Enduring Resources requests a variance to NMAC 19.15.34.12 (D)(1) and (2) which applies to fencing or enclosing the containment. With the recycling containment being enclosed frac tanks, entrance to containment would have to be intentional. There is no risk of accidental entrance into containment by wildlife or the public. The site will be maintained to prevent harm to wildlife and the public. The freestanding vertical frac tanks will provide equal or better protection to public health and the environment, as the fencing requirements of NMAC 19.15.34.12 (D)(1) and (2).

ENSOLUM

APPENDIX A

Siting Criteria and Containment Configuration Maps



Rincon 2706 29O Containment Location Map 1
Siting Criteria

Mining Data Status

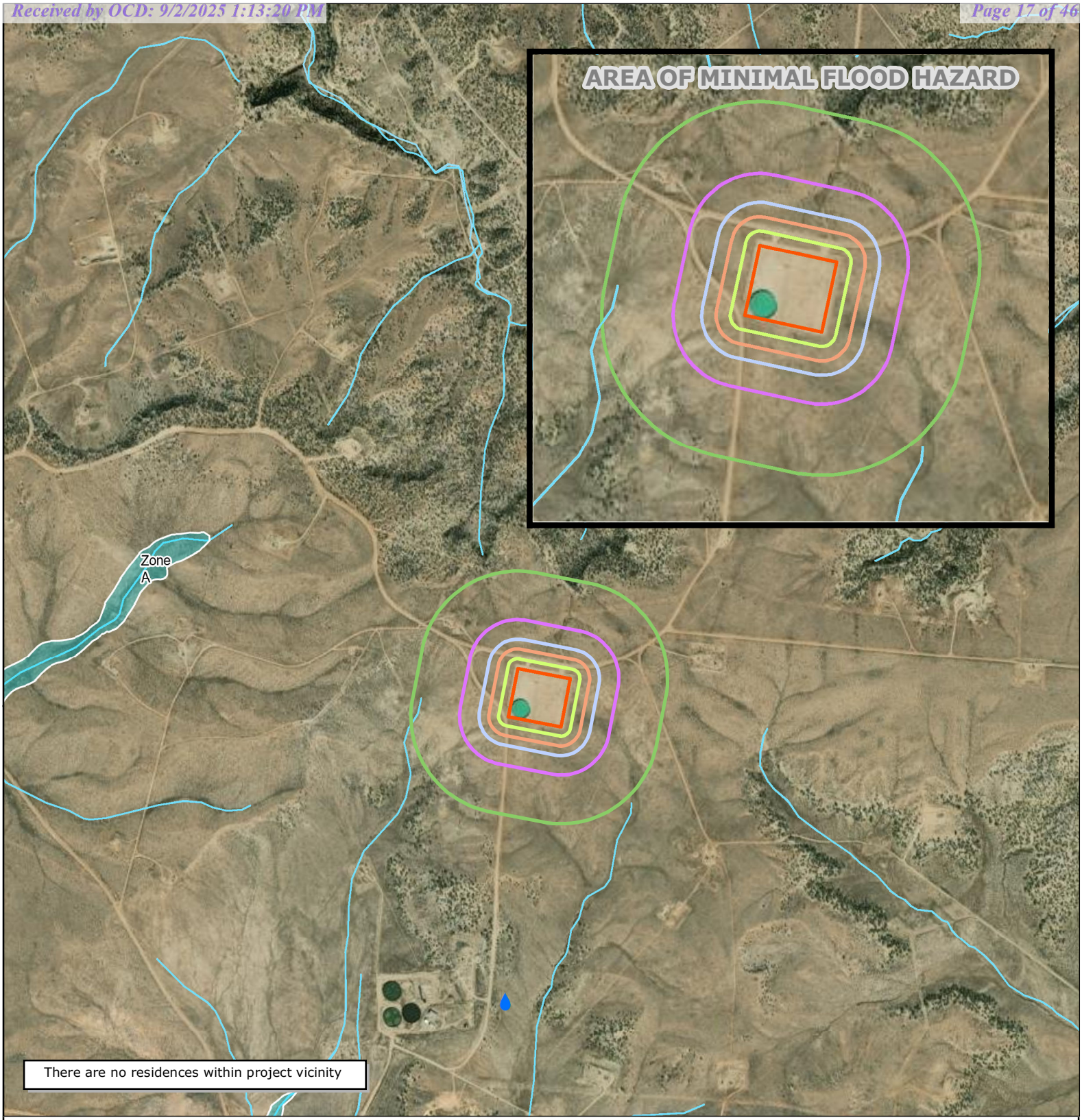
- Active Mining
- Active Mining, Active Reclamation
- Approved
- Enforcement
- No Permit
- No Response
- Pending
- Released
- Temporary Suspension
- Under Development
- Spring Seep
- New_Mexico_incorporated_places_April2023

0 2 4 6 8 10 Miles

ENDURING RESOURCES, LLC

Data Source Statement:
BLM-FFO, Enduring Resources GIS, ESRI Inc., NCE Surveys, USGS

NAD 1983 2011 StatePlane New Mexico West FIPS 3003 Ft US	Author: drogers	Date: 8/15/2024



Rincon 2706 29O Containment Location Map 2
Siting Criteria

100
200
300
500
1000

Limit Lines
NP
SFHA / Flood Zone Boundary
Flowage Easement Boundary

1% Annual Chance Flood Hazard
Regulatory Floodway
Special Floodway
Area of Undetermined Flood Hazard

0.2% Annual Chance Flood Hazard
Future Conditions 1% Annual Chance Flood Hazard
Area with Reduced Risk Due to Levee
Area with Risk Due to Levee

NM_Wetlands
Freshwater Emergent Wetland
Freshwater Forested/Shrub Wetland
Freshwater Pond
Lake
Other
Riverine

OSE Water Wells
USGS Water Courses

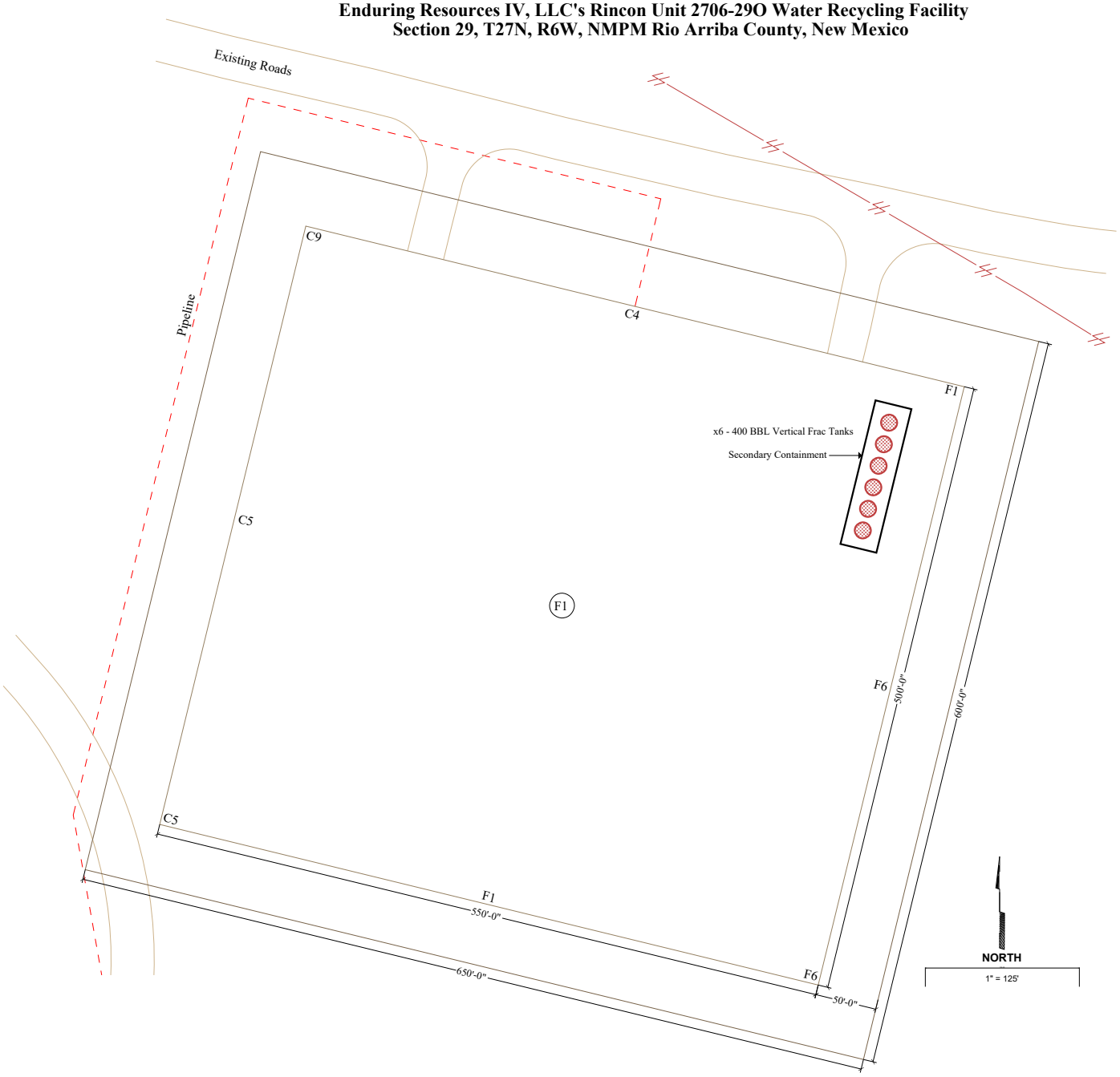
ENDURING RESOURCES, LLC

0 500 1,000 1,500 2,000 2,500 Feet

Data Source Statement:
BLM-FFO, Enduring Resources GIS, ESRI Inc., NCE Surveys, USGS

NAD 1983 2011 StatePlane New Mexico West FIPS 3003 Ft US	Author: drogers	Date: 8/15/2024

Enduring Resources IV, LLC's Rincon Unit 2706-29O Water Recycling Facility
Section 29, T27N, R6W, NMPM Rio Arriba County, New Mexico

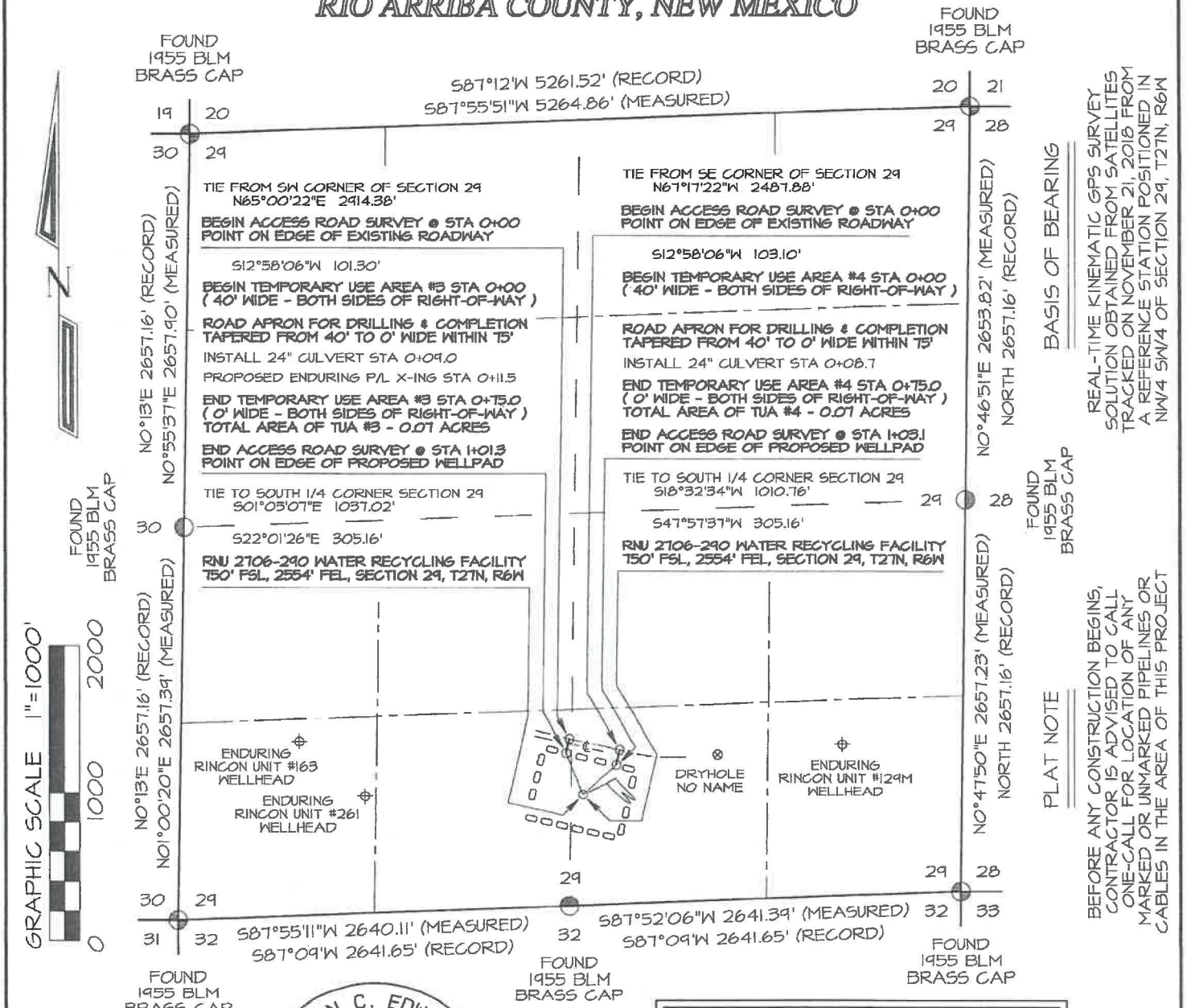


ENSOLUM

APPENDIX B

Topographic/Plat Maps and Driving Directions

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY
PROPOSED ACCESS ROAD SURVEY LOCATED IN THE SE/4 SW/4 & SW/4 SE/4 OF SECTION 29, T27N, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO



~ SURFACE OWNERSHIP ~ Bureau of Land Management	
0+00 TO 1+01.3	101.3 FT / 6.1 RODS
0+00 TO 1+03.1	103.1 FT / 6.2 RODS

JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR

I, Jason C. Edwards, a registered professional surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS Date: April 2, 2019

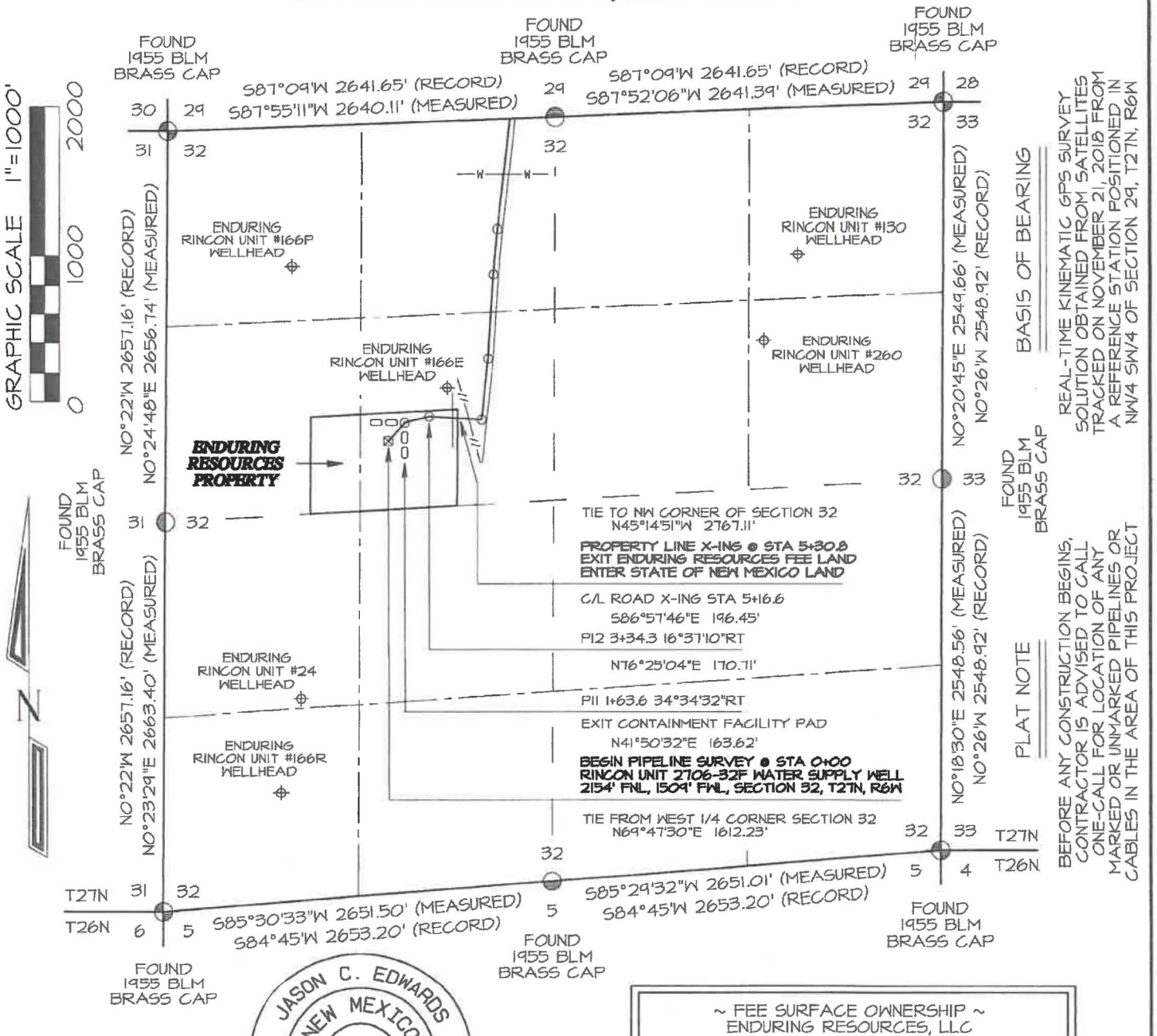
Jason C. Edwards
New Mexico LS #15269

Prepared for:
ENDURING RESOURCES, LLC
200 ENERGY COURT
FARMINGTON, NM 87401

Land Surveyor:
Jason C. Edwards
Mailing Address:
Post Office Box 6612
Farmington, NM 87499
Business Address:
111 East Pinon Street
Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net
NCE SURVEYS, INC.

CHECKED: JCE
DRAWN BY: RAP
SHEET 3 OF 13
FILENAME: 27624AP1

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY
PROPOSED PIPELINE SURVEY LOCATED IN THE SE/4 NW/4 OF SECTION 32, T27N, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO



~ FEE SURFACE OWNERSHIP ~ ENDURING RESOURCES, LLC	
0+00 TO 5+30.8	530.8 FT / 32.2 RODS

JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR

I, Jason C. Edwards, a registered professional surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS Date: April 2, 2019

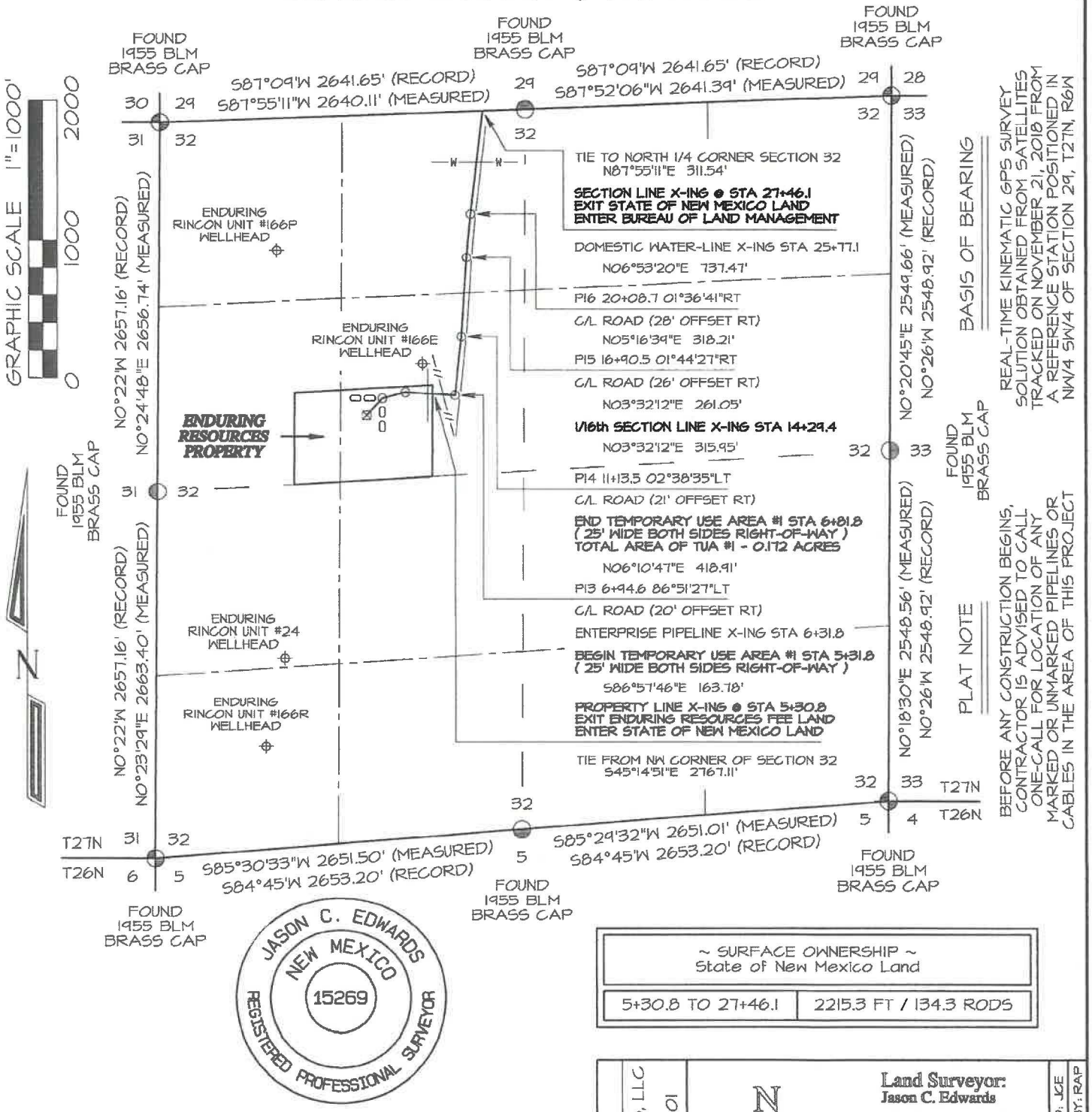
Jason C. Edwards
New Mexico LS #15269

Prepared for:
ENDURING RESOURCES, LLC
200 ENERGY COURT
FARMINGTON, NM 87401

Land Surveyor:
Jason C. Edwards
Mailing Address:
Post Office Box 6612
Farmington, NM 87499
Business Address:
111 East Pinon Street
Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net
NCE SURVEYS, INC.

CHECKED: JCE
DRAWN BY: RAP
SHEET 4 OF 13
FILENAME: 216326P1

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY
PROPOSED PIPELINE SURVEY LOCATED IN THE E/2 NW/4 OF SECTION 32, T27N, R6W, N.M.P.M. RIO ARRIBA COUNTY, NEW MEXICO



~ SURFACE OWNERSHIP ~ State of New Mexico Land	
5+30.8 TO 27+46.1	2215.3 FT / 134.3 RODS

JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR

I, Jason C. Edwards, a registered professional surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS Date: April 2, 2019

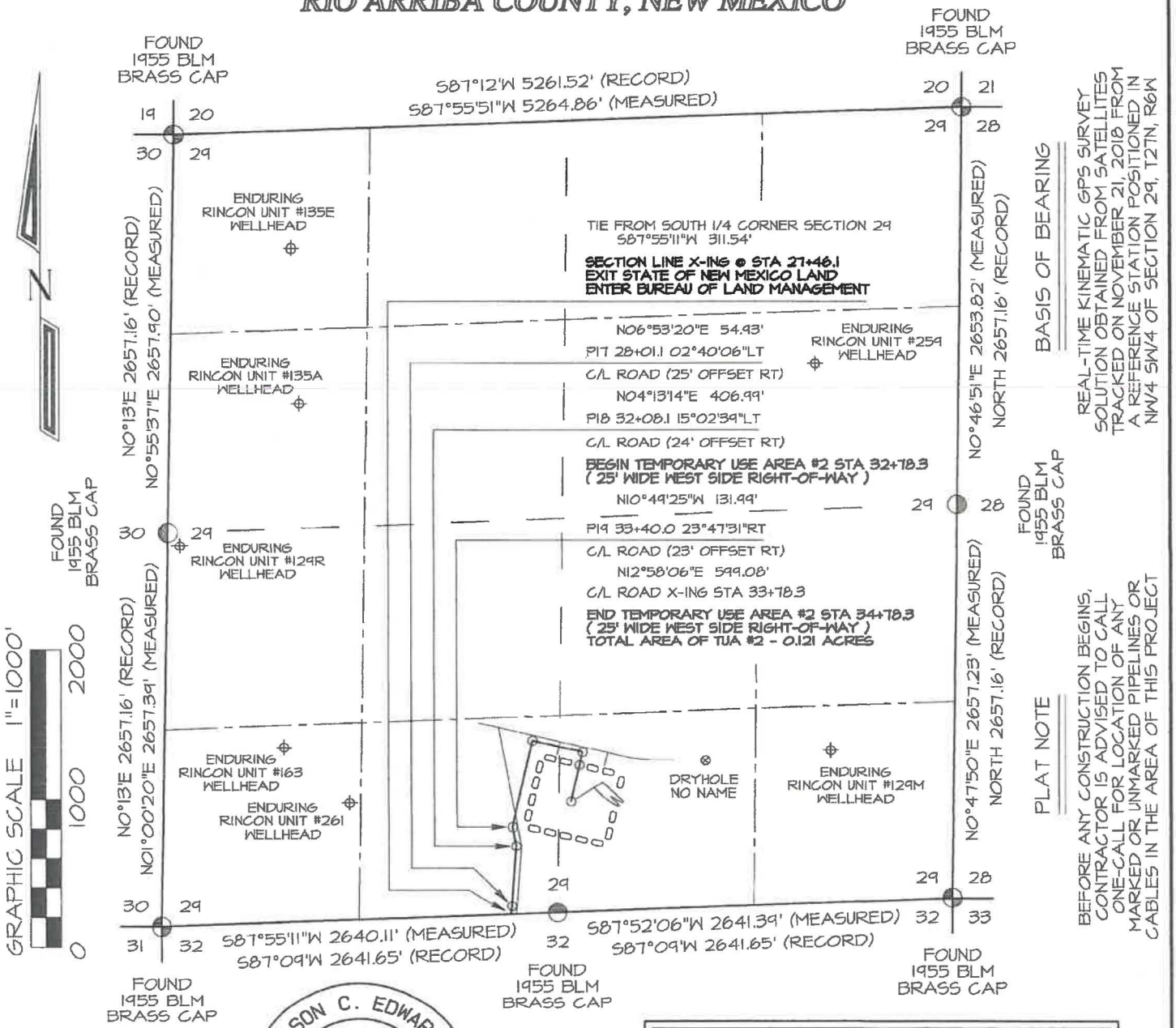
Jason C. Edwards
New Mexico LS #15269

Prepared for:
ENDURING RESOURCES, LLC
200 ENERGY COURT
FARMINGTON, NM 87401

Land Surveyor:
Jason C. Edwards
Mailing Address:
Post Office Box 6612
Farmington, NM 87499
Business Address:
111 East Pinon Street
Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net
NCE SURVEYS, INC.

SHEET 5 OF 13 | CHECKED: JCE | DRAWN BY: RAP
FILENAME: 2763269P2

ENDURING RESOURCES, LLC RNU 2706–29O WATER RECYCLE FACILITY
PROPOSED PIPELINE SURVEY LOCATED IN THE
SE/4 SW/4 & SW/4 SE/4 OF SECTION 29, T27N, R6W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



~ SURFACE OWNERSHIP ~ Bureau of Land Management	
27+46.1 TO 46+23.5	1877.4 FT / 113.8 RODS

JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR

I, Jason C. Edwards, a registered professional surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS Date: April 2, 2019

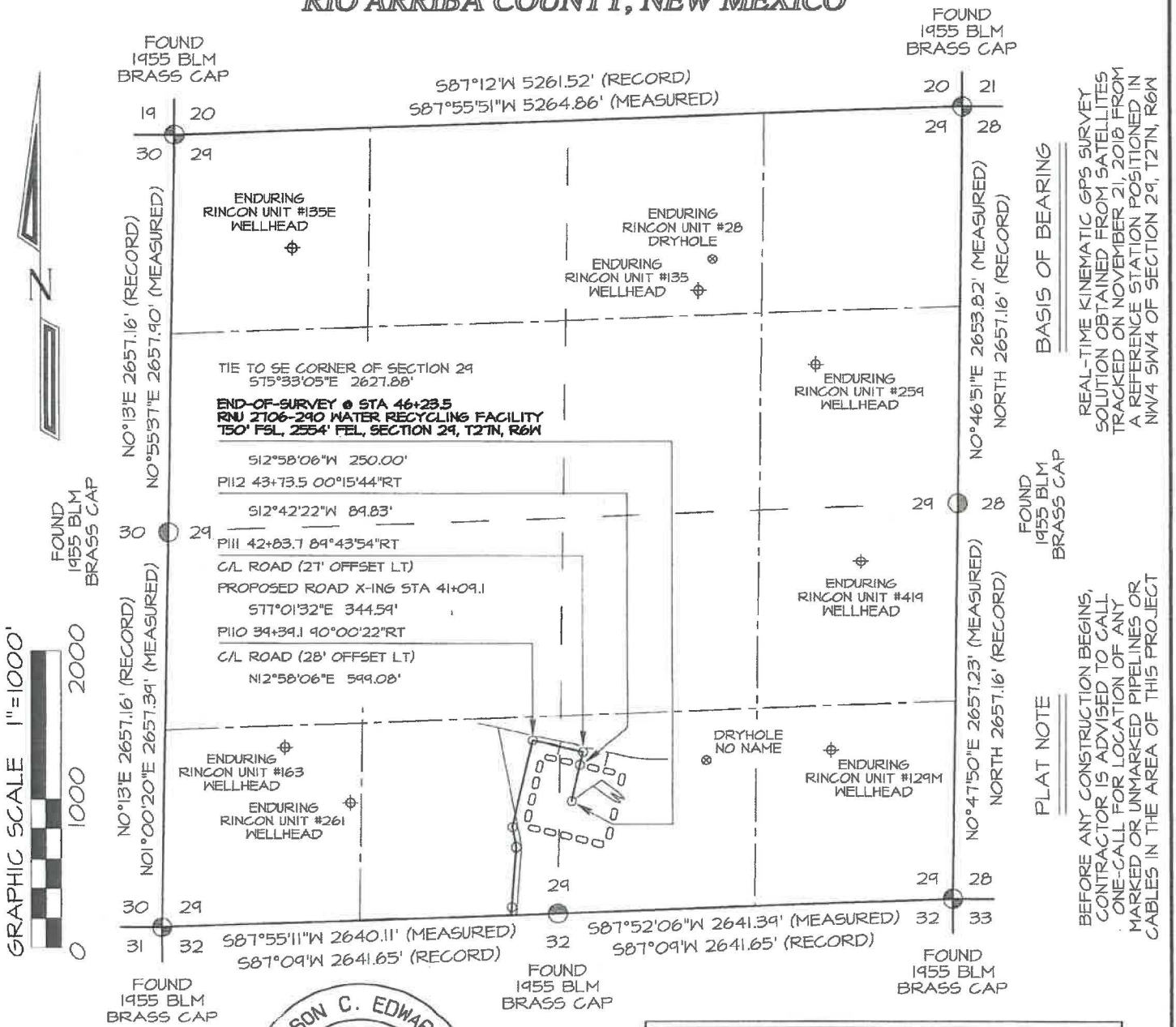
Jason C. Edwards
New Mexico LS #15269

Prepared for:
ENDURING RESOURCES, LLC
200 ENERGY COURT
FARMINGTON, NM 87401

N C E SURVEYS, INC.
Land Surveyor: Jason C. Edwards
Mailing Address: Post Office Box 6612 Farmington, NM 87499
Business Address: 111 East Pinon Street Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net

CHECKED: JCE
DRAWN BY: RAP
SHEET 6 OF 13
FILENAME: 216246P3

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY
PROPOSED PIPELINE SURVEY LOCATED IN THE
SE/4 SW/4 & SW/4 SE/4 OF SECTION 29, T27N, R6W, N.M.P.M.
RIO ARRIBA COUNTY, NEW MEXICO



BASIS OF BEARING

REAL-TIME KINEMATIC GPS SURVEY SOLUTION OBTAINED FROM SATELLITES TRACKED ON NOVEMBER 21, 2018 FROM A REFERENCE STATION POSITIONED IN NW/4 SW/4 OF SECTION 29, T27N, R6W

PLAT NOTE

BEFORE ANY CONSTRUCTION BEGINS, CONTRACTOR IS ADVISED TO CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED PIPELINES OR CABLES IN THE AREA OF THIS PROJECT

~ SURFACE OWNERSHIP ~ Bureau of Land Management	
27+46.1 TO 46+23.5	1877.4 FT / 113.8 RODS

JASON C. EDWARDS NEW MEXICO 15269 REGISTERED PROFESSIONAL SURVEYOR

I, Jason C. Edwards, a registered professional surveyor under the laws of the State of New Mexico, hereby certify that this plat was prepared from field notes of an actual survey meeting the minimum requirements of the standards for easement surveys and is true and correct to the best of my knowledge and belief.

JASON C. EDWARDS

Jason C. Edwards
New Mexico LS #15269

Date: April 2, 2019

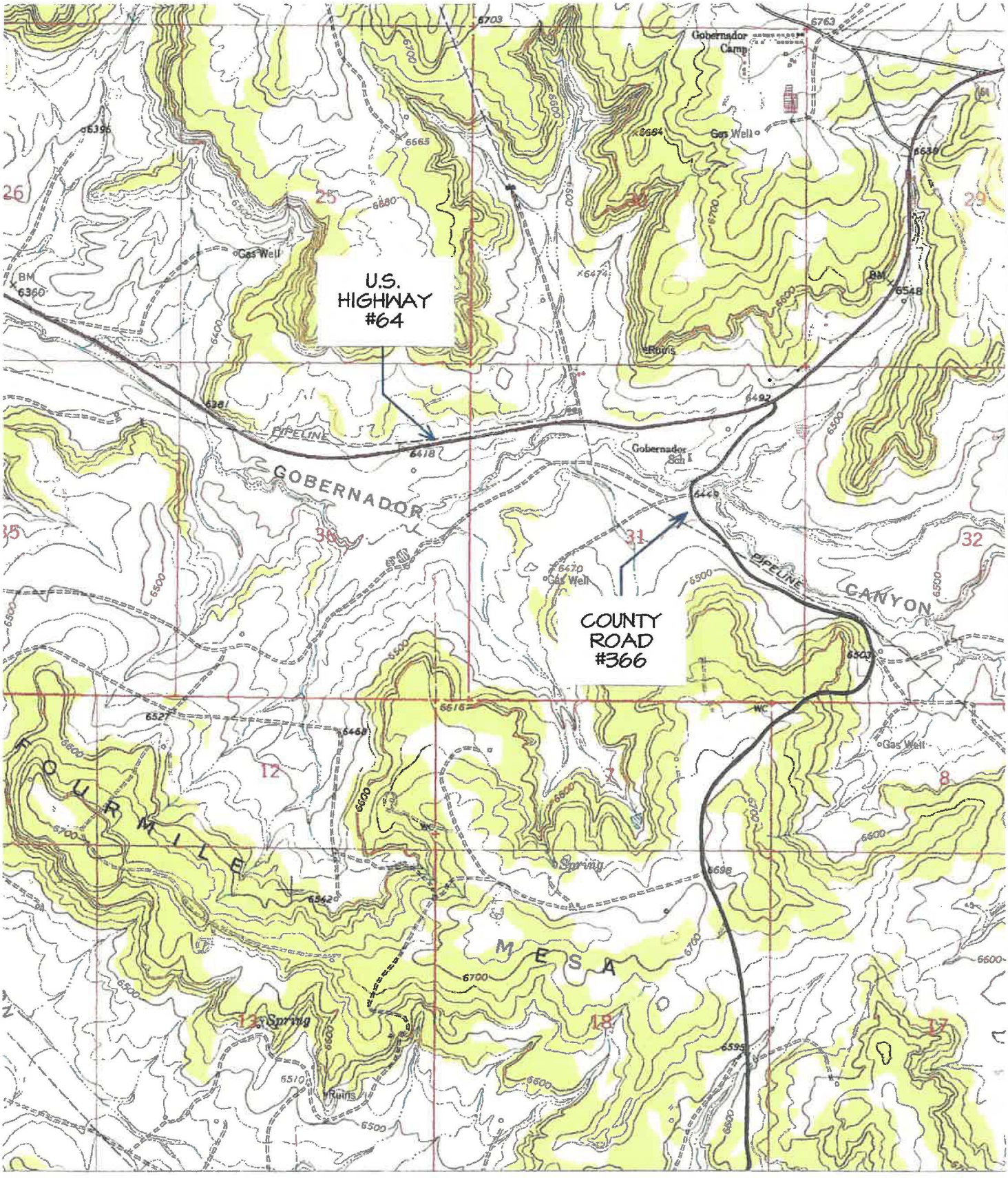
Prepared for:
ENDURING RESOURCES, LLC
200 ENERGY COURT
FARMINGTON, NM 87401

Land Surveyor: Jason C. Edwards
Mailing Address: Post Office Box 6612 Farmington, NM 87499
Business Address: 111 East Pinon Street Farmington, NM 87402
(505) 486-1695 (Office)
ncesurveys@comcast.net
NCE SURVEYS, INC.

SHEET 7 OF 13 | CHECKED: JCE
FILENAME: 216296P4 | DRAWN BY: RAP

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY

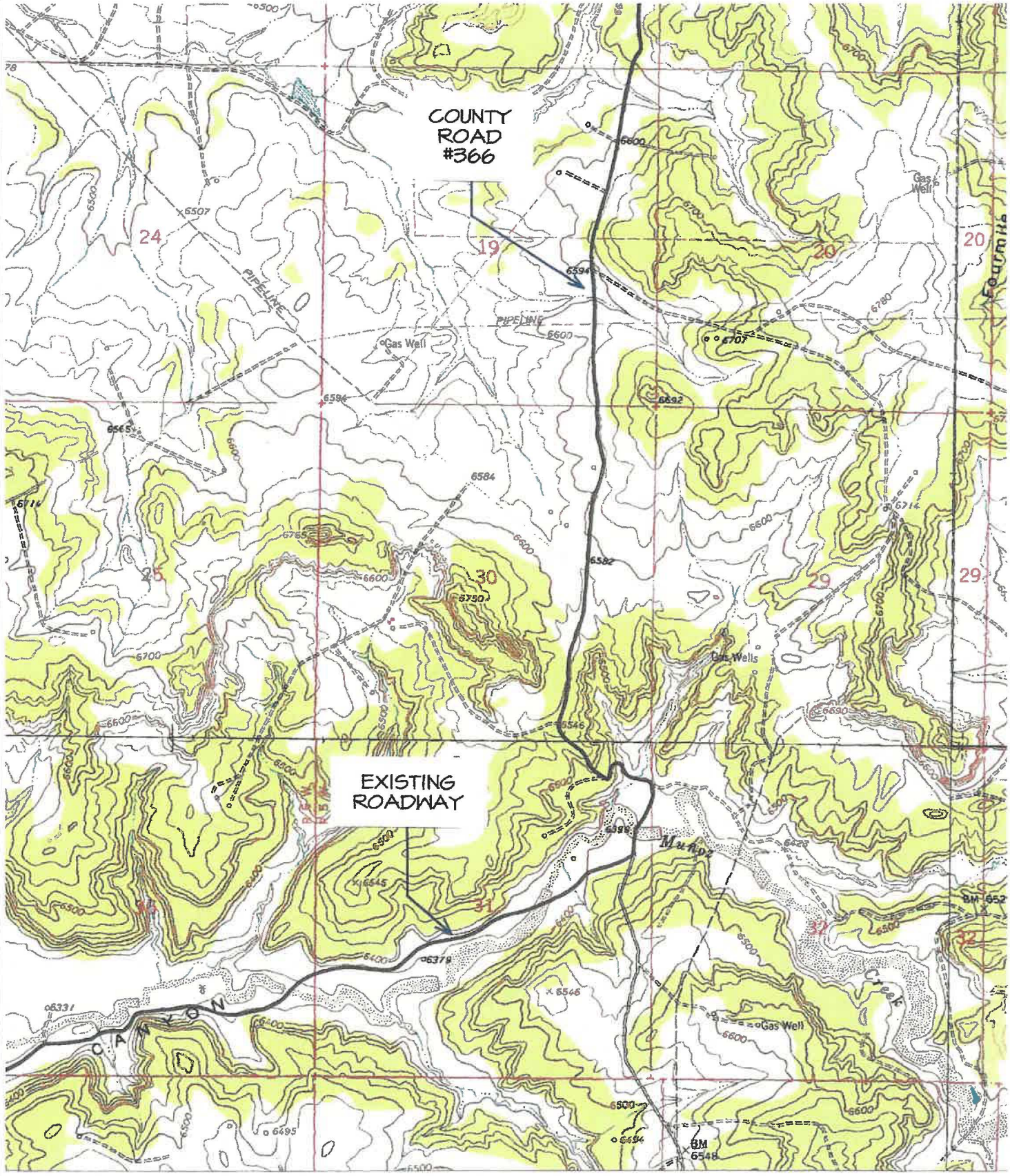
LOCATED IN SE/4 SW/4 & SW/4 SE/4 SECTION 29, T27N, R6W
N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO



TOPO NAME : FOURMILE CANYON ⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY

LOCATED IN SE/4 SW/4 & SW/4 SE/4 SECTION 29, T27N, R6W
N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO

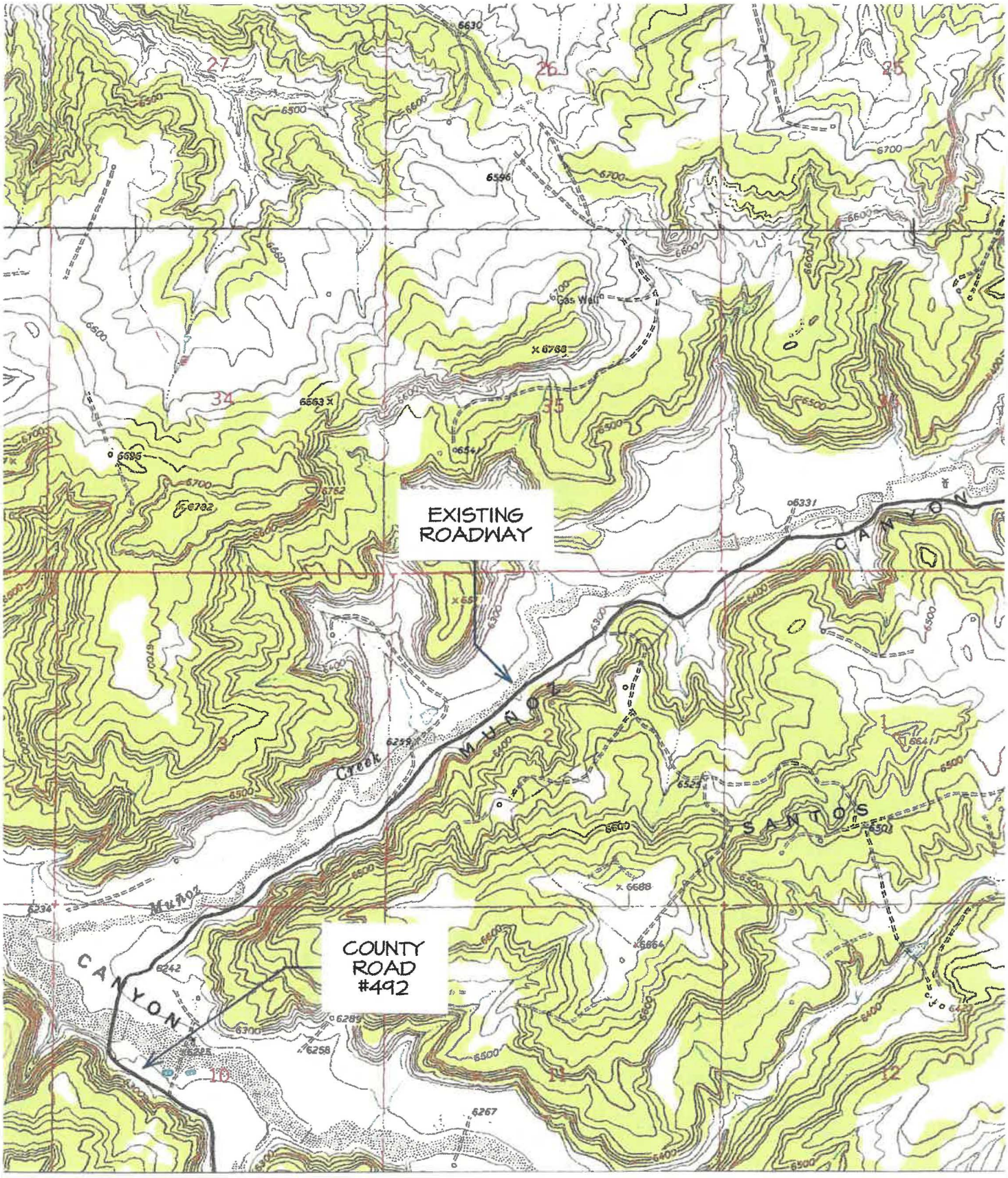


TOPO NAMES : SANTOS PEAK & FOURMILE CANYON

⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY

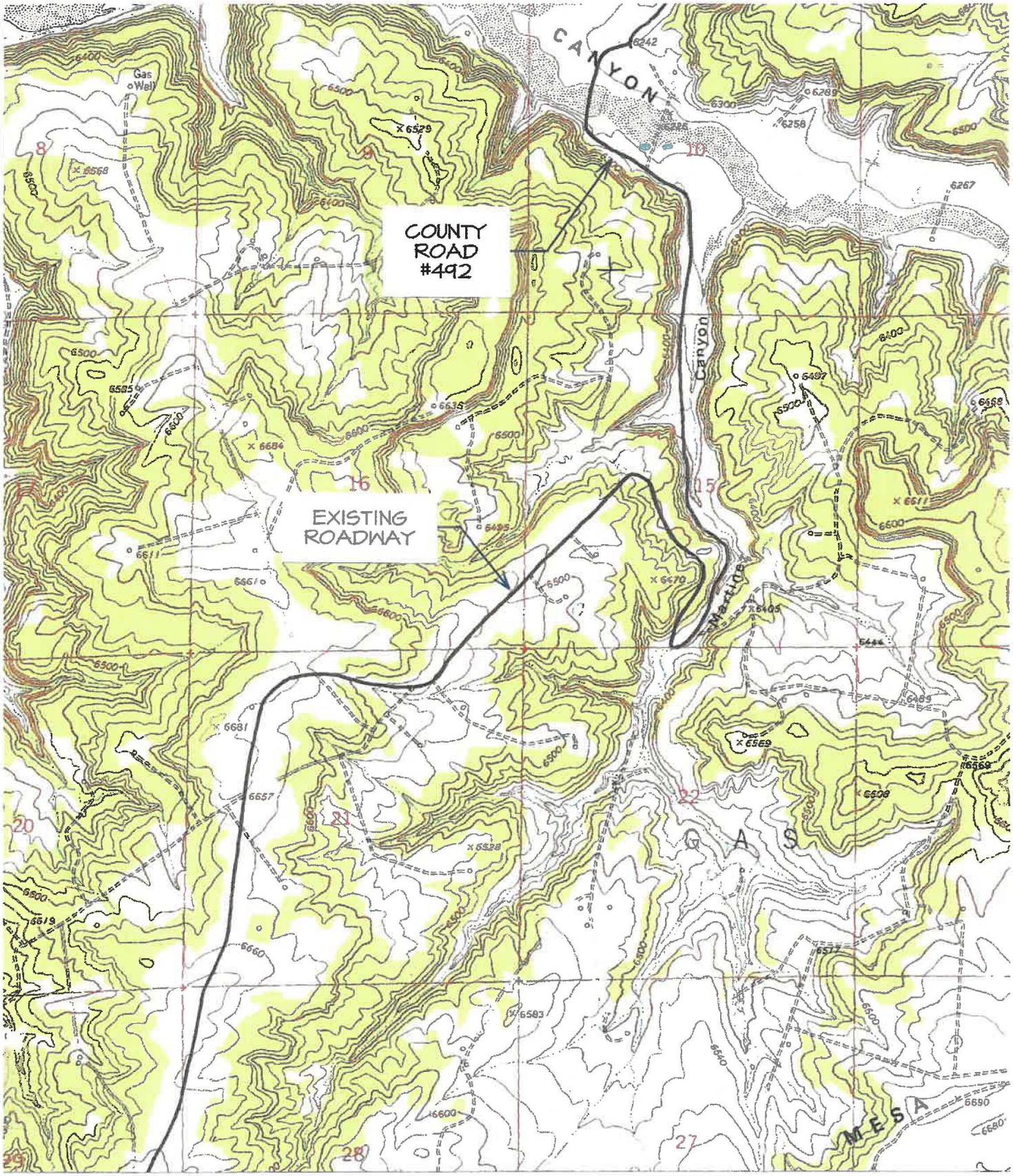
LOCATED IN SE/4 SW/4 & SW/4 SE/4 SECTION 29, T27N, R6W
N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO



TOPO NAME : SANTOS PEAK ⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY

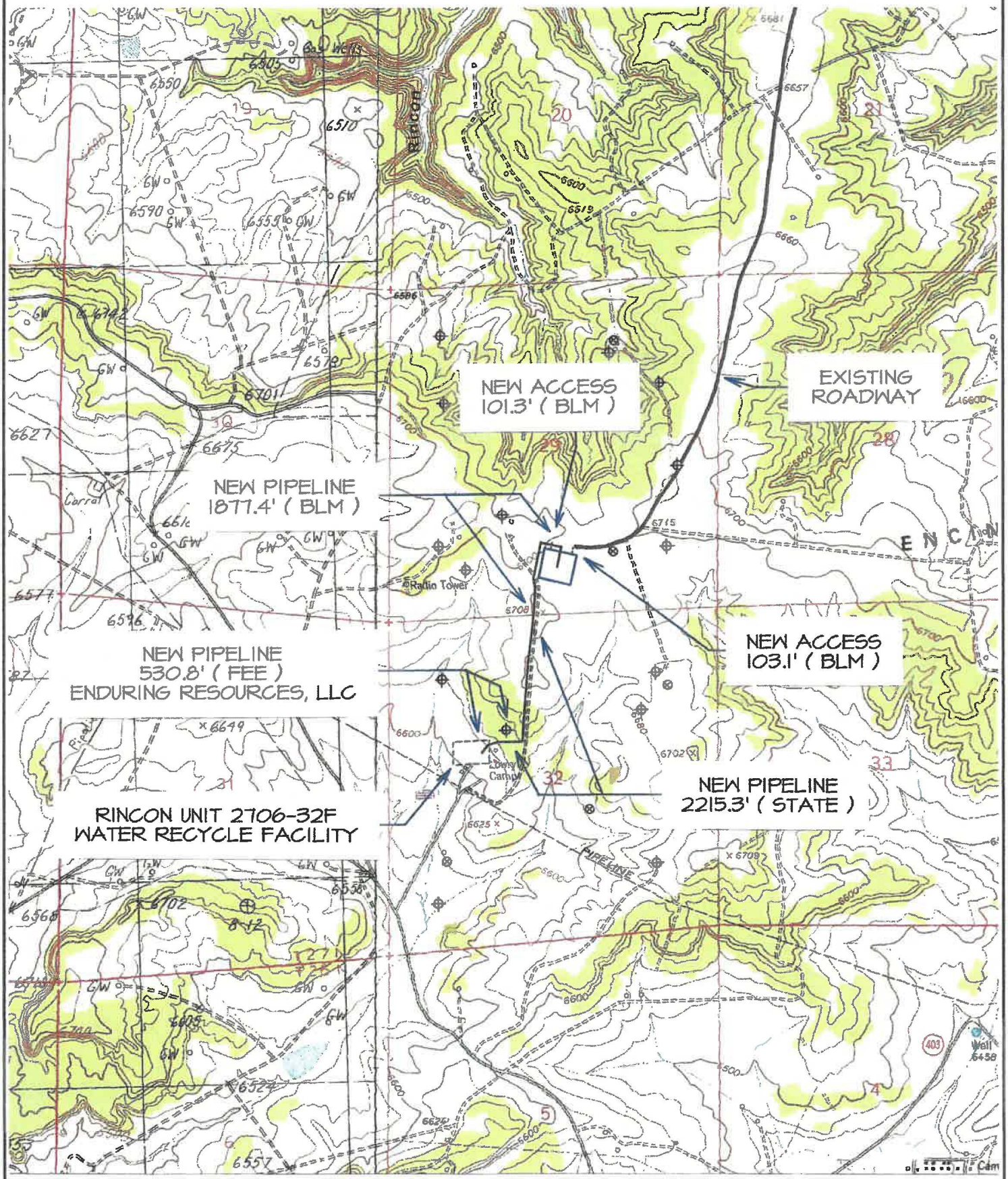
LOCATED IN SE/4 SW/4 & SW/4 SE/4 SECTION 29, T27N, R6W
N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO



TOPO NAME : SANTOS PEAK ⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

ENDURING RESOURCES, LLC RNU 2706-29O WATER RECYCLE FACILITY

LOCATED IN SE/4 SW/4 & SW/4 SE/4 SECTION 29, T27N, R6W
N.M.P.M., RIO ARRIBA COUNTY, NEW MEXICO



TOPO NAME : SANTOS PEAK ⊕ PRODUCING WELL ⊗ PLUGGED & ABANDONED WELL

Directions from the Intersection of US Hwy 550 & US Hwy 64

in Bloomfield, NM to Enduring Resources, LLC RNU 2706-29O Water Recycle Facility

Located in SE/4 SW/4 & SW/4 SE/4 Section 29, T27N, R6W

N.M.P.M., Rio Arriba County, New Mexico

Latitude: 36.539671°N Longitude: 107.490588°W Datum: NAD1983

From the intersection of US Hwy 550 & US Hwy 64 in Bloomfield, NM, travel Easterly on US Hwy 64 for 36.8 miles to General American Road just beyond Gobernador School at Mile Marker 101;

Go Right (Southerly) on General American Road for 1.2 miles to fork in roadway;

Go Right (South-westerly) continuing on General American Road for 3.4 miles to 4-way intersection;

Go Straight (Southerly) continuing on General American Road for 1.1 miles to fork in roadway;

Go Right (South-westerly) along Munoz Wash for 4.3 miles to 4-way intersection;

Go Straight (South-westerly) continuing across Carrizo Wash for 0.3 miles to fork in roadway;

Go Left (South-easterly) which is straight onto County Road #492 for 0.4 miles to fork in roadway;

Go Right (Southerly) continuing on County Road #492 for 1.4 miles to fork in roadway;

Go Right (Northerly) exiting County Road #492 continuing uphill on existing roadway for 0.6 miles to fork in roadway;

Go Left (South-westerly) for 0.8 miles to fork in roadway;

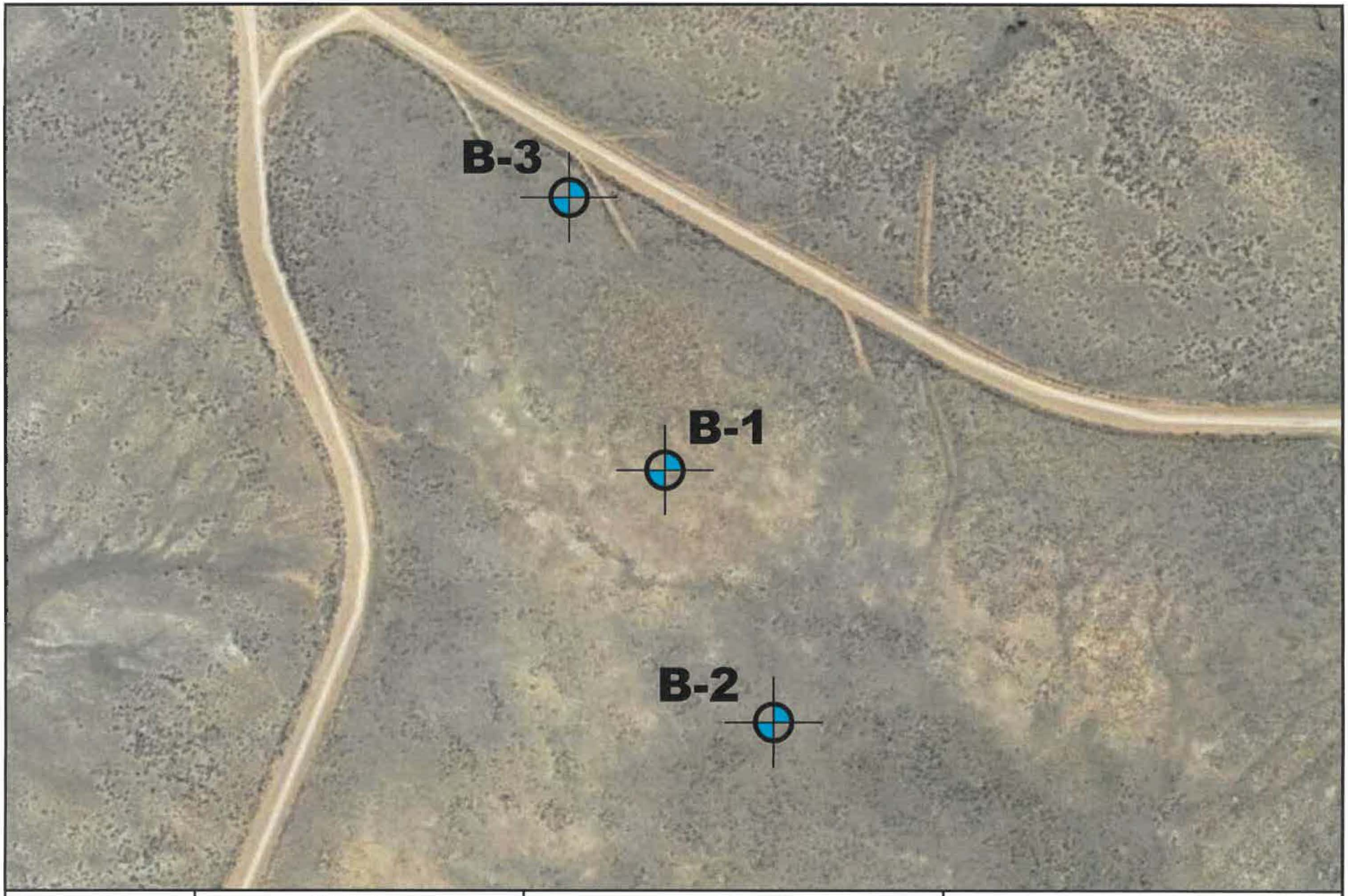
Go Right (Westerly) which is straight for 0.4 miles to fork in roadway;

Go Left (Southerly) which is straight for 2.1 miles to begin proposed access on left-hand side of roadway which continues for 103.1' to staked RNU 2706-29O Water Recycle Facility.

ENSOLUM

APPENDIX C

Geomat Figure and Boring Logs



Approximate Not to Scale	SITE PLAN Boring Locations (approximate) GEOMAT Project No. 192-3247 Date of Exploration: April 24 & 29, 2019	PROJECT Rincon Fracking Water Pond III Enduring Resources Rio Arriba County, New Mexico

GEOMAT INC.

GEOMAT INC.
915 Malta Avenue
Farmington, NM 87401
Tel (505) 327-7928
Fax (505) 326-5721

Borehole B-1

Page 1 of 2

Project Name:	Rincon Pond III	Date Drilled:	4/24/2019
Project Number:	192-3247	Latitude:	Not Determined
Client:	Enduring	Longitude:	Not Determined
Site Location:	San Juan County, New Mexico	Elevation:	Not Determined
Rig Type:	CME-55	Boring Location:	See Site Plan
Drilling Method:	7.25" O.D. Hollow Stem Auger	Groundwater Depth:	None Encountered
Sampling Method:	Bulk, Ring and Split spoon samples	Logged By:	SY
Hammer Weight:	140 lbs	Remarks:	None
Hammer Fall:	30 inches		

Laboratory Results: Dry Density (pcf)	Laboratory Results: % Passing #200 Sieve	Laboratory Results: Plasticity Index	Laboratory Results: Moisture Content (%)	Blows per 6"	Sample Type & Length (in)	Symbol	Material Type	Soil Symbol	Depth (ft)	Soil Description
					A		SC		1 2 3 4	Clayey SAND, tan/brown, fine- to medium-grained, dry to damp layer with higher clay content
				11-14-17	SS				5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	grades to shale bedrock SHALE, gray, damp, slightly to moderately fissile/friable, slightly weathered intermittent siltstone in cuttings grades into sandstone
					A					
106.8			13.1	27-39-50/5"	R		RK			
				50/3"	SS				30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	SANDSTONE, tan/gray, fine- to medium-grained, slightly damp, moderately cemented, slightly to moderately weathered intermittent shale in cuttings harder drilling
					A		RK			

A = Auger Cuttings R = Ring-Lined Barrel Sampler SS = Split Spoon GRAB = Manual Grab Sample D = Disturbed Bulk Sample PP = Pocket Penetrometer

GEOMAT 192-3247.GPJ GEOMAT.GDT 5/1/19

GEOMAT INC.
915 Malta Avenue
Farmington, NM 87401
Tel (505) 327-7928
Fax (505) 326-5721

Borehole B-1

Page 2 of 2

Project Name: Rincon Pond III
Project Number: 192-3247
Client: Enduring
Site Location: San Juan County, New Mexico
Rig Type: CME-55
Drilling Method: 7.25" O.D. Hollow Stem Auger
Sampling Method: Bulk, Ring and Split spoon samples
Hammer Weight: 140 lbs
Hammer Fall: 30 inches

Date Drilled: 4/24/2019
Latitude: Not Determined
Longitude: Not Determined
Elevation: Not Determined
Boring Location: See Site Plan
Groundwater Depth: None Encountered
Logged By: SY
Remarks: None

Laboratory Results: Dry Density (pcf)	% Passing #200 Sieve	Plasticity Index	Moisture Content (%)	Blows per 6"	Sample Type & Length (in)	Symbol	Material Type	Soil Symbol	Depth (ft)	Soil Description
					A				51	tan/orange
									52	
									53	
									54	
									55	
									56	intermittent shale in cuttings
									57	
									58	
									59	
					A		RK		60	
									61	
									62	
									63	
									64	
									65	
									66	
									67	
									68	
									69	
									70	
					A				71	SHALE, gray, slightly damp
									72	
									73	
									74	
									75	
									76	
									77	
							RK		78	
									79	
									80	
									81	
					A				82	
									83	
									84	
									85	
									86	Total Depth 85 feet
									87	
									88	
									89	
									90	
									91	
									92	
									93	
									94	
									95	
									96	
									97	
									98	
									99	
									100	

A = Auger Cuttings R = Ring-Lined Barrel Sampler SS = Split Spoon GRAB = Manual Grab Sample D = Disturbed Bulk Sample PP = Pocket Penetrometer

GEOMAT 192-3247.GPJ GEOMAT.GDT 5/1/19

GEOMAT INC.
915 Malta Avenue
Farmington, NM 87401
Tel (505) 327-7928
Fax (505) 326-5721

Borehole B-2

Page 1 of 1

Project Name: Rincon Pond III
Project Number: 192-3247
Client: Enduring
Site Location: San Juan County, New Mexico
Rig Type: CME-55
Drilling Method: 7.25" O.D. Hollow Stem Auger
Sampling Method: Ring and Split spoon samples
Hammer Weight: 140 lbs
Hammer Fall: 30 inches

Date Drilled: 4/29/2019
Latitude: Not Determined
Longitude: Not Determined
Elevation: Not Determined
Boring Location: See Site Plan
Groundwater Depth: None Encountered
Logged By: SY
Remarks: None

Laboratory Results				Blows per 6"	Sample Type & Length (in)	Symbol	Material Type	Soil Symbol	Depth (ft)	Soil Description
Dry Density (pcf)	% Passing #200 Sieve	Plasticity Index	Moisture Content (%)							
111.7	40	15	7.8	18-28-50/6"	R		SC		1-6	Clayey SAND, tan/brown, fine- to medium-grained, dense, dry to damp, caliche layer with higher clay content
				14-17-22	SS					
				50/5"	R		RK		7-25	SHALE, gray, slightly damp, slightly to moderately fissile/friable, slightly weathered interlayered with gray/tan siltstone
				50/3"	SS					
				50/5"	R					
				50/4"	SS		RK		26-35	SANDSTONE, tan/gray, fine-grained, dry to slightly damp, moderately cemented
				50/2"	SS					
				50/3"	SS				36-50	Total Depth 35 feet

A = Auger Cuttings R = Ring-Lined Barrel Sampler SS = Split Spoon GRAB = Manual Grab Sample D = Disturbed Bulk Sample PP = Pocket Penetrometer

GEOMAT 192-3247.GPJ GEOMAT.GDT 5/1/19

GEOMAT INC.
915 Malta Avenue
Farmington, NM 87401
Tel (505) 327-7928
Fax (505) 326-5721

Borehole B-3

Page 1 of 1

Project Name: Rincon Pond III
Project Number: 192-3247
Client: Enduring
Site Location: San Juan County, New Mexico
Rig Type: CME-55
Drilling Method: 7.25" O.D. Hollow Stem Auger
Sampling Method: Ring and Split spoon samples
Hammer Weight: 140 lbs
Hammer Fall: 30 inches

Date Drilled: 4/29/2019
Latitude: Not Determined
Longitude: Not Determined
Elevation: Not Determined
Boring Location: See Site Plan
Groundwater Depth: None Encountered
Logged By: SY
Remarks: None

Laboratory Results: Dry Density (pcf)	% Passing #200 Sieve	Plasticity Index	Moisture Content (%)	Blows per 6"	Sample Type & Length (in)	Symbol	Material Type	Soil Symbol	Depth (ft)	Soil Description
				16-22-25	SS		SC		1-10	Clayey SAND, tan/brown, fine- to medium-grained, dense, dry to damp, caliche
				8-32-45	R					layer with higher clay content
				12-18-39	SS		RK		11-35	SHALE, gray, slightly damp, slightly to moderately fissile/friable, slightly weathered
				50/5"	R					interlayered with gray/tan siltstone
				22-28-46	SS					
				50/6"	R					
				50/6"	SS					higher sand content
				50/3"	SS				36-50	Total Depth 35 feet

A = Auger Cuttings R = Ring-Lined Barrel Sampler SS = Split Spoon GRAB = Manual Grab Sample D = Disturbed Bulk Sample PP = Pocket Penetrometer

GEOMAT 192-3247.GPJ GEOMAT.GDT 5/1/19

UNIFIED SOIL CLASSIFICATION SYSTEM					CONSISTENCY OR RELATIVE DENSITY CRITERIA		
Major Divisions			Group Symbols	Typical Names			
Coarse-Grained Soils More than 50% retained on No. 200 sieve	**Gravels** 50% or more of coarse fraction retained on No. 4 sieve	Clean Gravels	GW	Well-graded gravels and gravel-sand mixtures, little or no fines	Standard Penetration Test Density of Granular Soils		
			GP	Poorly graded gravels and gravel-sand mixtures, little or no fines	Penetration Resistance, N (blows/ft.)	Relative Density	
		Gravels with Fines	GM	Silty gravels, gravel-sand-silt mixtures	0-4	Very Loose	
			GC	Clayey gravels, gravel-sand-clay mixtures	5-10	Loose	
	Sands More than 50% of coarse fraction passes No. 4 sieve	Clean Sands	SW	Well-graded sands and gravelly sands, little or no fines	11-30	Medium Dense	
			SP	Poorly graded sands and gravelly sands, little or no fines	31-50	Dense	
		Sands with Fines	SM	Silty sands, sand-silt mixtures	>50	Very Dense	
			SC	Clayey sands, sand-clay mixtures	Standard Penetration Test Density of Fine-Grained Soils		
Fine-Grained Soils 50% or more passes No. 200 sieve	**Silts and Clays** Liquid Limit 50 or less		ML	Inorganic silts, very fine sands, rock flour, silty or clayey fine sands	Penetration Resistance, N (blows/ft.)	Consistency	Unconfined Compressive Strength (Tons/ft2)
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	<2	Very Soft	<0.25
			OL	Organic silts and organic silty clays of low plasticity	2-4	Soft	0.25-0.50
	Silts and Clays Liquid Limit greater than 50		MH	Inorganic silts, micaceous or diatomaceous free sands or silts, elastic silts	4-8	Firm	0.50-1.00
			CH	Inorganic clays of high plasticity, fat clays	8-15	Stiff	1.00-2.00
			OH	Organic clays of medium to high plasticity	15-30	Very Stiff	2.00-4.00
Highly Organic Soils			PT	Peat, mucic & other highly organic soils	>30	Hard	>4.0

U.S. Standard Sieve Sizes

>12"	12"	3"	3/4"	#4	#10	#40	#200	
Boulders	Cobbles	Gravel			Sand			Silt or Clay
		coarse	fine	coarse	medium		fine	

MOISTURE CONDITIONS	
Dry	Absence of moist, dusty, dry to the touch
Slightly Damp	Below optimum moisture content for compaction
Moist	Near optimum moisture content, will moisten the hand
Very Moist	Above optimum moisture content
Wet	Visible free water, below water table

MATERIAL QUANTITY	
trace	0-5%
few	5-10%
little	10-25%
some	25-45%
mostly	50-100%

OTHER SYMBOLS
R Ring Sample
S SPT Sample
B Bulk Sample
▼ Ground Water

BASIC LOG FORMAT:

Group name, Group symbol, (grain size), color, moisture, consistency or relative density. Additional comments: odor, presence of roots, mica, gypsum, coarse particles, etc.

EXAMPLE:

SILTY SAND w/trace silt (SM-SP), Brown, loose to med. Dense, fine to medium grained, damp

UNIFIED SOIL CLASSIFICATION SYSTEM

GEOMAT

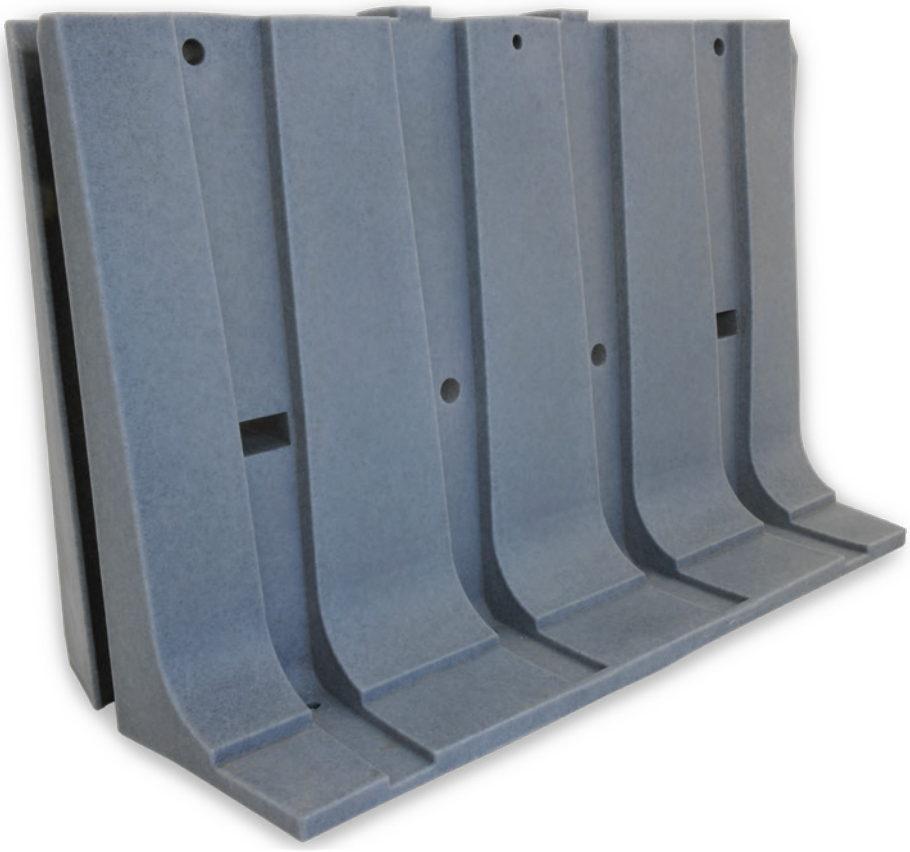
ENSOLUM

APPENDIX D

Containment Specifications and General Design


PIONEER
011
011
PIONEER
020
020

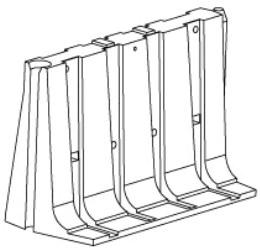
MUSCLE WALL®
FLOOD • CONTAINMENT • STORMWATER

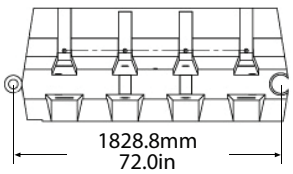


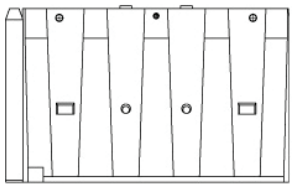
4-FOOT MUSCLE WALL

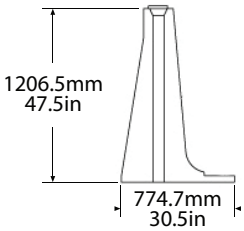
SPECIFICATIONS

- Material
  - Low density polyethylene
  - Elongation to yield: 20%
  - Impact strength: 190 ft-lb
  - Tensile strength at yield: 2600 psi
- Dimensions
  - Minimum polyethylene thickness: 0.25″
  - Footprint on ground: 14.5 ft^2
  - 6 ft. wide x 2.54 ft. deep x 4 ft. high
  - Installed in 6 ft. sections
  - Fit 96 units on one 48 ft. flatbed trailer
- Portable
  - Weight per unit (empty): 110lbs
  - Weight per unit (filled): 1400lbs
  - Units nest together for transportation
  - 12 walls per pallet
- All Season Compatible
  - Temperature range: -40˚ F to 180˚ F
  - 10 year UV rated
- Ground Pressure
  - Empty: 0.0527 psi
  - Filled: 0.6705 psi









FEATURES

- Quick Setup & Take Down
  - Male to female connection that slides easily into place with another Muscle Wall
  - 4-Foot spring liner clip secures the liner to the Muscle Wall as well as reduces liner tenting
  - Each joint acts like a hinge allowing up to 22˚ range of motion
  - Reversible corner unit enables the Muscle Wall system to make a 90˚ turn in any direction
- Intuitive Design
  - Two walls nestle together to reduce storage & shipping space
  - Threaded top hole cap
  - Releasable bung-plug cap for rapid emptying
  - Safety ratchet straps restrain adjacent panels
  - 7 strategically placed kiss-throughs with multiple purposes based on location - structural integrity, safety strap installation, and hand-holds

From: Heather Huntington
To: jtafoya@blm.gov
Cc: Casey Haga
Subject: Enduring Resources Notice of NMOCD Permit Modification Rincon Unit 2706-29O WRF Water Recycling Facility
Date: Monday, September 16, 2024 2:56:00 PM

Good afernoon Mr. Tafoya,

Enduring Resources is requesting a permit modification on the current operating permit from NMOCD for the Rincon Unit 2706-29O WRF Water Recycling Facility. Enduring will be requesting a reduction in operating capacity from 5-60,000 bbl AST tanks (300,000 bbls) to 6-400 bbl vertical frac tanks (2,400 bbls). In accordance with 19.15.34.10.A NMAC, Enduring Resources is required to notify the surface owner of the request, which in this case is BLM. Please consider this email as surface owner notification of this permit modification request.

Please let us know if you have any questions.

Thank you,

Heather Huntington
Enduring Resources Permitting Technician
505-636-9751

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Thursday, June 12, 2025 2:24 PM
To: Heather Huntington
Subject: 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]
Attachments: C-147 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] 06.12.2025.pdf

3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]

Good afternoon Ms. Huntington.
NMOCD has reviewed the C-147 and related documents submitted by [372286] ENDURING RESOURCES, LLC on 06/12/2025, Application ID **473691**, requesting closure of the permitted 60,000-barrel ASTs of permit 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]. The closure request is approved with the following conditions of approval:

- The 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] originally consisted of five, 60,000-barrel aboveground tanks to be used to treat and recycle produced water for re-use during [372286] ENDURING RESOURCES, LLC well completion activities. The five 60,000-barrel aboveground tanks will be replaced by six 400-barrel steel tanks
- [372286] ENDURING RESOURCES, LLC should request a modification to Permit 3RF-55 to reflect changes in the type and volume of water storage at the 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052].
- [372286] ENDURING RESOURCES, LLC should submit an updated Design and Construction Specifications, Maintenance & Operations Plan and Closure Plan.

Please let me know if you have any additional questions.
Best regards,

Victoria Venegas ● Environmental Specialist Advanced
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | Victoria.Venegas@emnrd.nm.gov

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	OGRID: 372286
	Action Number: 473691
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	• The 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] originally consisted of five, 60,000-barrel aboveground tanks to be used to treat and recycle produced water for re-use during [372286] ENDURING RESOURCES, LLC well completion activities. The five 60,000-barrel aboveground tanks will be replaced by six 400-barrel steel tanks • [372286] ENDURING RESOURCES, LLC should request a modification to Permit 3RF-55 to reflect changes in the type and volume of water storage at the 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]. • [372286] ENDURING RESOURCES, LLC should submit an updated Design and Construction Specifications, Maintenance & Operations Plan and Closure Plan.	6/12/2025

Venegas, Victoria, EMNRD

From: Venegas, Victoria, EMNRD
Sent: Monday, October 27, 2025 9:32 AM
To: Heather Huntington
Subject: 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]
Attachments: C-147 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] 10.27.2025.pdf

3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]

Good morning Ms. Huntington.
The NMOCD has reviewed the C-147 and related documents submitted by [372286] ENDURING RESOURCES, LLC on 06/12/2025, Application ID **473691**, requesting the modification of permit 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052]. The modification request is approved with the following conditions of approval:

- The 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] originally consisted of five, 60,000-barrel aboveground tanks to be used to treat and recycle produced water for re-use during [372286] ENDURING RESOURCES, LLC well completion activities. The five 60,000-barrel aboveground tanks will be replaced by six 400-barrel steel tanks.
- The modified facility consists of six, 400-bbl welded steel frac tanks located within a double lined containment. In order to prevent spills and/or releases, the tanks will be placed on top of a 30-mil thickness LLDPE primary (upper) string-reinforced liner and a 30-mil LLDPE secondary (lower) string-reinforced liner.
- The liners will extend approximately 4 vertical feet and be attached to exterior side of Muscle Walls® as shown in Appendix D. Specifications for the Muscle Walls® are also included in Appendix D. See construction specifications on page 9 of the application.
- [372286] ENDURING RESOURCES, LLC should follow the updated Design and Construction Specifications, Maintenance & Operations Plan and Closure Plan.

Please let me know if you have any additional questions.
Best regards,

Victoria Venegas • Senior Environmental Scientist
EMNRD - Oil Conservation Division
506 W. Texas Ave. Artesia, NM 88210
575.909.0269 | **Victoria.Venegas@emnrd.nm.gov**

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

CONDITIONS

Operator:	OGRID:
ENDURING RESOURCES, LLC 6300 S Syracuse Way Centennial, CO 80111	372286
	Action Number: 501927
	Action Type: [C-147] Water Recycle Long (C-147L)

CONDITIONS

Created By	Condition	Condition Date
vvenegas	The modification request is approved with the following conditions of approval: • The 3RF-55 - RINCON UNIT 2706-29O FACILITY ID [fCS1921338052] originally consisted of five, 60,000-barrel aboveground tanks to be used to treat and recycle produced water for re-use during [372286] ENDURING RESOURCES, LLC well completion activities. The five 60,000-barrel aboveground tanks will be replaced by six 400-barrel steel tanks. • The modified facility consists of six, 400-bbl welded steel frac tanks located within a double lined containment. In order to prevent spills and/or releases, the tanks will be placed on top of a 30-mil thickness LLDPE primary (upper) string-reinforced liner and a 30-mil LLDPE secondary (lower) string-reinforced liner. • [372286] ENDURING RESOURCES, LLC should follow the updated Design and Construction Specifications, Maintenance & Operations Plan and Closure Plan.	10/27/2025