

Toltec Mesa Resources LLC

7823 Quintana Dr. NE, Albuquerque, New Mexico | (505)238-4770 | newcomer.b.tmr@gmail.com

March 15, 2023

David J. Ennis
Reclamation Specialist
Mining Act Reclamation Program
Mining and Minerals Division - Energy, Minerals and Natural Resources Department
Wendell Chino Building
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

email: david.ennis@state.nm.us

RE: TRANSMITTAL OF AMENDED APPLICATION FOR MINIMAL IMPACT EXPLORATION PERMIT FOR CEBOLLETA PROJECT, CIBOLA COUNTY, NEW MEXICO

Dear DJ:

This transmittal includes an amended application to one originally submitted in September of last year. With this amendment, the following changes are included:

- the applicant is now a local entity, Cibola Resources, LLC, which has held the lease to the subject property since 2007 and is a wholly owned subsidiary of American Future Fuel Corporation;
- amended drill hole and access route locations; and
- additional cultural and biological surveys of the amended areas.

The amended application package for a minimal impact exploration permit for the Cebolleta Project, Cibola County, New Mexico, is attached.

The \$500 application fee was paid with the initial application package.

Sincerely,

Toltec Mesa Resources LLC



Bob Newcomer
Principal Consultant

Encl. minimal impact exploration permit application package

cc: Holland Shepherd, Program Director (sent via email: holland.shepherd@state.nm.us) w/attach.
Mike Thompson, Manager for Cibola Resources LLC (via email mtreadonsteel.us) w/attach.

PART 3
MINIMAL IMPACT EXPLORATION OPERATION

AMENDED PERMIT APPLICATION
DATE: 2/15/2023 [ORIGINAL 9/12/22]

The accompanying is an amendment to an original permit application and is being submitted electronically to the MMD via email. This version is stand alone and is comprehensive and is completely replacing the previous application. The following form was obtained from the MMD webpage and modified to accommodate input using Microsoft Word,:

<http://www.emnrd.state.nm.us/MMD/MARP/MARPAApplicationandReportingForms.htm>

The completed amended application is being sent to:

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Director
Mining and Minerals Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Telephone: (505) 476-3400

Webpage: www.emnrd.state.nm.us/MMD/index.htm

Confidential Information

Yes No Is any of the information submitted in this application considered by the applicant to be confidential in nature? If yes, please provide this information separately and marked as "confidential."

Timelines

- Exploration applications must be provided no less than 45 days prior to the anticipated date of operations desired by the applicant.
- Renewal applications shall be filed at least 30 days preceding expiration of the current permit. Permits are valid for one year.
- Approved permit is valid for one year from the date of approval.

SECTION 1 – OPERATOR INFORMATION (§304.D.1)

Project Name: Cebolleta Exploration Project

Nearest Town to Project: Seboyetta, New Mexico

Applicant Name and Contact Information (entity obligated under the Mining Act):

Name: **Cibola Resources, LLC.**

Address: 18032 Road G
Cortez, CO 81321

Office Phone: (970)426-2929

Email: mt@reardonsteel.us

Contact: Mike Thompson, Manager

Office Phone: (970) 426-2924 Cell Phone: (970) 426-2924

Name of Consultant:

Name: Robert Newcomer, dba Toltec Mesa Resources LLC

Address: 7823 Quintana Dr. NE
Albuquerque, NM 87109

Cell Phone: (505) 238-4770

Email: newcomer.b.tmr@gmail.com

SECTION 2 – RIGHT TO ENTER INFORMATION (§302.D.1)

- A. Describe or attach copies of documents that give the applicant the right to enter the property to conduct the exploration and reclamation, include lease agreements, access agreements, right of way agreements, surface owner agreements, and claim numbers, if applicable.

Cibola Resources, LLC, has rights to enter/access and conduct mineral exploration and reclamation on a tract of land (the Tract) are included in the attached summary and documents [Attachment A].

Attachment A

- B. List the names and addresses of surface and mineral ownership within the proposed permit area. If the mineral is federal mineral, indicate as federal mineral, but provide the name of the claim holder or lease holder.

Surface Estate Owner(s):

Private/Corporate

<u>Name</u>	<u>Address</u>	<u>Phone #</u>
Kilino Marquez, President	La Merced del Pueblo de Cebolleta (Cebolleta Land Grant) HC 77, Box 6 Seboyetta, NM 87014	(505)639-3081

Lease Holder(s) of Surface Estate (if applicable):

<u>Name</u>	<u>Address</u>	<u>Phone #</u>
Cibola Resources, LLC	18032 Road G Cortez, CO 81321	(970) 426-2924

Mineral Estate Owner(s):

Private/Corporate

<u>Name</u>	<u>Address</u>	<u>Phone #</u>
Kilino Marquez, President	La Merced del Pueblo de Cebolleta Cebolleta Land Grant HC 77, Box 6 Seboyetta, NM 87014	(505) 639-3081

C. Has a Cultural Resource Survey been performed on the site? Yes

If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:

A 100 percent pedestrian field survey for cultural resources was performed for parts of the southern and norther areas of the project area on February 22 and March 1, 2023 (NMCRIS No. 152481) by **Okun Consulting** permitted by the New Mexico Historic Preservation Division to perform an archaeological survey. The archaeological survey was conducted to comply with §18-6-.8.1 of the New Mexico Cultural Properties Act of 1969 and its implementing regulations under NMAC Title 4 Chapter 10 §7.9A. A confidential copy of the survey report, which includes the report author, title, date and report number is submitted with this application. The area of potential effects (APE)/survey can be broadly defined to include, minimally, a 150-foot buffer around all potential mineral exploration or infrastructure, including all drill pads and access roads. Two previously recorded archaeological sites (LA 152220 and LA 159747) and 10 isolated occurrences (IOs) were documented during 100-percent, Class III pedestrian survey of the 53.9-acre APE defined for the project. Both sites are previously recorded, and no new sites or other resource types were discovered.

Attachments B

D. Has a wildlife survey or vegetation survey been performed for the permit area? Yes

If yes, please provide the author, title, date and report number, and include a copy of the survey with this application, if possible:

A biological evaluation survey was performed for a large portion of the southern and northern parts of the project area by **Clay Bowers dba Rocky Mountain Ecology** and is submitted with this application.

Additionally, Cedar Creek Associates completed a study of this area in June 2006 for Cibola Resources. They described the area in and around the previously disturbed St Anthony Mine area [which is southeast of this proposed project area] as primarily bottomlands with a small area of Juniper Scrub. The report described bottomland vegetation as follows: dominant taxa were Blue Grama (*Bouteloua gracilis*), Galleta (*Hilaria jamesii*), Alkali Sacaton (*Sporobolus airoides*) and Four Wing Saltbush (*Atriplex canescens*). Other species present included: Side-oats Grama (*Bouteloua curtipendula*), Western wheatgrass (*Agropyron smithii*), Russian Thistle (*Salsola tragus*) and Broom Snakeweed (*Gutierrezia sarothrae*). Perennial grasses made up 65.9% and shrubs comprised 25.0% of the plant composition, annual forb composition is only 9%, while perennial and biennial forbs contribute a negligible 1.3% to the composition of annual grasses that were encountered.

An important finding was "bare ground exposure was a significant 49.58%" and Juniper Scrub was described as follows: Dominant taxa were Blue Grama, New Mexico Feathergrass (*Stipa neomexicana*) and Bigelow Sage (*Artemisia bigloveii*). Other species identified included: Broom Snakeweed, winterfat (*Ceratoides lanata*), Galleta, and Buckwheat (*Erigeron* sp.). Perennial grasses contributed 61.35% to the plant composition with shrubs contributing 33.42%, while forbs (perennial and annual) contributed 5.22%. Bare ground exposure was 53.62%.

Both zones had scattered cacti populations such as Pricklypear Cactus (*Opuntia polyacantha*) and Walkingstick Cactus (*Opuntia sponosior*), while the Juniper Scrub zone had scattered Onese Juniper (*Juniper monosperma*).

Attachments C

SECTION 3 – MAPS AND PROJECT LOCATION (§302.D.2)

- A. Project Location: the project is within the unplatted lands of the Cebolleta Land Grant, northeastern Cibola County, New Mexico. It is approximately 4.7 miles southeast of Seboyetta, New Mexico. The mapped location is shown in **Figure 2, 1:24,000 Topographic Map.**
- B. Legal Description: No township and range data are available for the permit area, because the project is in an unplatted portion of the Cebolleta Land Grant, Cibola County, New Mexico. The area immediately south of the permit area consists of parts of Section 19 Township 11 North Range 5 West and Section 24 Township 11 North Range 4 West.
- C. List the drill hole/exploration name and the GPS coordinates for each site. Map is shown in **Figure 3.** Coordinate system used to collect GPS data points [WGS84]. The hole locations are in Latitude and Longitude in decimal format. See attached spreadsheet [Table 1

Table 1 (for listing additional boreholes)

- D. Maps (see application form instructions for examples of maps to be included):

The proposed drill holes are all planned to 'twin' [within several feet – as best they could be located] historic exploration drill holes.

Are topographic maps included with the application that show the following items:

Yes – The boundary of the proposed exploration project Permit Area – these are shown with the access routes to each.

Yes – The proposed exploration locations (i.e., borehole locations) – these are shown in latitude longitude coordinates and in **Table 1**

Yes – Existing roads, new roads and overland travel routes.

Yes – Areas of proposed road improvement. **Figure 3**

Are maps or figures included with the application showing the approximate dimensions and locations of drill pads and other disturbances:

Yes – Drill pad dimensions and constructed drill pad locations are illustrated in **Figure 3.**

Provide detailed driving directions to access the site: **Figure 1.**

SECTION 4 – EXPLORATION DESCRIPTION (§302.D.3 & 4)

A. Anticipated exploration: Start Date: April 1, 2023 End Date: April 1, 2024

List the mineral(s)/element(s) to be explored for: Uranium

Proposed method(s) of exploration:

Air rotary drilling methods

# of holes	22	Depth (ft.)	320-340 [avg. 330]	Diameter (in.)	5.25
# of drill pads	22	Length (ft.)	100	Width (ft.)	60

Drilling method is by coring, NQ or NQTK size in a 5-inch diameter hole.

Will drill pads be graded/bladed or overland: Overland with minor grading if needed (expected to be minimal); the proposed holes are in areas of previous (historical drilling).

Will drill pads need some mechanical leveling (grading/blading): No

Approx. Weight of Drill Rig (lbs.) 75,000 Number of Axles: 3

This is the anticipated largest drill rig that would be used, which is similar to a Gardner Denver 15W [3 axle]. A smaller rig will be used if available.

Is a support pipe truck anticipated? Yes
Weight (lbs.) 25,000 [this is the largest size]

Other potential support would include a pipe trailer, pickup truck for drillers, pickup truck for geologist and water truck. If drill fluid circulation is needed, it would be done in above-ground tanks in a closed loop circulation system.

Anticipated Drilling Contractor: Stewart Brothers Drilling
New Mexico Water Well Driller's License: No. 131

TOTAL ACREAGE TO BE DISTURBED DUE TO DRILL PADS = 3.24 acres

(to convert to acres, multiply total square footage of drill pads by 0.0000229)

This includes 22 individual drill locations, pads and overland routes to and between pads. The two existing 'main' roads are not included in this total. Some improvements to the northern road may be necessary and they will be made within the footprint of the existing road [repair ruts and smooth surface].

A. Disposal of drill cuttings

If this exploration project is for uranium or other radioactive elements/minerals, applicant agrees to perform a gamma radiation survey at each drill site prior to, and after, exploration activities. Applicant/Owner/Operator agrees to restore gamma radiation levels at each drill site to pre-exploration levels. Yes, this will be done with a hand-held scintillometer.

Will excess drill cuttings be buried at each drill site location or within a single disposal pit?

The excess drill cuttings are not expected to be mineralized and will be left at each drill location; core will be removed from the site.

B. Other Supporting Equipment (check all that apply):

4x4 Trucks/Vehicles	Quantity:	1 at 6,000 lbs
Water Truck	Weight (lbs.):	1 at 20,000 lbs loaded
Geophysical Truck	Weight (lbs.):	1 at 6,000 lbs
Pipe Truck (rig support)	Weight (lbs.):	
Bulldozer	Type:	1 at 17,400 lbs (if needed for main road)
Backhoe	Type:	
Trackhoe	Type:	
Scaper/Grader	Type:	
Trailers	Quantity/Type:	camp style, 2 axle
Portable Toilet	Quantity:	standard porta-potty type
Other	List:	

C. Roads and Overland Travel:

No new roads will be constructed for this exploration project.

No existing roads will be widened, only graded to address existing erosion/rutting

No existing roads will be extended

Overland travel to and between drill pads will be used

Support vehicles would be kept on the main road or in a staging area along the road to the St Anthony mine.

List for routes of overland travel:

Description of <i>OVERLAND TRAVEL</i> Routes	Length (ft.)	Width (ft.)	Total Acres (length x width x 0.0000229)
This acreage is included in the drill pad disturbance total, as many of the drill hole locations and access are along the same path.			
TOTAL ACRES DISTURBED BY OVERLAND TRAVEL :			0

D. Support Facilities

Describe (location and size) any support facility disturbances (equipment staging, equipment and material storage and/or lay down areas, vehicle parking, temporary housing and/or trailers) to be created or situated on the site during exploration operations.

No new disturbances would be used for these areas. Existing pullouts along the Main road would be utilized.

**E. TOTAL ACREAGE TO BE DISTURBED BY PROJECT = 3.24
acres**

(this includes all disturbed acreage from drill pads, cuttings disposal pit, new roads, improved roads and overland travel routes)

Summary Statement:

The area encompassed by this permit application and immediately adjacent areas have been extensively explored (drilled and mined) from the 1950s through the mid-1980s. There is current activity and development associated with the assessment and reclamation of the St. Anthony mine southeast of and adjacent to the proposed project area. Because of this, there is an extensive network of existing roads which will be used for primary access. Remnants of previous exploration and mining disturbances are still present in many areas, including the proposed permit area. In accessing the proposed drillhole sites, it may be necessary to create short two-track access from the existing roads to and between the drill pads and this anticipated disturbance is included in the drill pad acreage and shown on the maps accompanying this application. It is anticipated that the routes will simply consist of flagging to indicate the path to take, and travel will be restricted to these paths. No unnecessary clearing of vegetation will take place. Maps are included in this application showing these anticipated routes.

SECTION 5 – CHEMICAL USE (§302.D.4)

Check any and all chemicals that will be used for this project (see attached MSDS sheet summary).

Drilling Mud (i.e., EZ Mud)	Type/Quantity:	N/A
Diesel Fuel	Quantity:	Fuel in vehicles (<300 gals)
Down-hole Lubricants	Type/Quantity:	small quantities
Lost Circulation Materials	Type/Quantity:	N/A
Oils/Grease	Quantity:	In vehicles/small quantity containers
Gasoline	Quantity:	In vehicles
Hydraulic Fluid	Quantity:	In bulldozer and drill rig
Ethylene Glycol	Quantity:	In vehicle radiators
Cement	Type/Quantity:	for hole plugging and abandonment
Water	Source:	in water truck and drinking water
Bentonite	Quantity:	pellets in buckets, for hole plugging
Fertilizer	Type/Quantity:	N/A
Other	Type/Quantity:	

No toxic or hazardous materials will be used during the exploration program other than small quantities of fuels and lubricants used by any motor vehicle. All materials used in the drilling process will be non-toxic and will not contaminate groundwater, surface water or aquifers using the proposed methods management.

Describe where equipment fueling/refueling will occur:

Fueling of vehicles and equipment will be done offsite.

Describe in detail, a plan for the containment, use and disposal of all chemicals listed above:

All containment will be in appropriate packaging, tanks or other containers designed for storage of the materials.

Describe how hazardous material spills/leaks will be handled:

Any impacted areas would be bermed to contain a liquid release. Impacted soils would be excavated and removed for disposal at an approved facility; any spills will be managed consistent with State and federal regulations. NMED would be notified immediately.

Identify spill cleanup materials that will be kept on-site (check all that apply):

The drilling contractor will be responsible for providing a 'spill kit' any controls (plastic sheeting, etc.) to manage any leaks or spills associated with the drill rig and support vehicles. This includes:

Bentonite clay or cat litter will be available onsite as part of a spill kit

Adsorbent pads, rolls, mats, socks, pillows, dikes, etc.

Drum or barrel for containing contaminated soil/adsorbent materials

The applicant/owner/representative agrees to immediately notify the State of New Mexico immediately of any spills of hazardous materials. The phone number for NMED and other important health and safety information will be kept onsite during all operations and will be available to all workers.

SECTION 6 – GROUNDWATER/SURFACE WATER INFORMATION (§302.D.5)

- A. Provide an estimate of depth to ground water and the total dissolved solids (TDS) concentration.

Depth to groundwater (ft.): 150 to >250

TDS concentration (mg/L): 500 to 1500

Describe the source of this information:

The area of this proposed project is "Area I" of the much larger 'Cebolleta Project' as described in Wilton, T. (2017. Uranium deposits at the Cebolleta project, Laguna mining district, Cibola County, New Mexico. in *New Mexico Geology*. v. 39. pp. 1- 10). The holes will be collared in or near the base of the Cretaceous Dakota Sandstone and will be drilled into the underlying Jurassic Jackpile and Morrison Formation. Much of the geologic section that is being explored is exposed in the St Anthony open pit mine to the southeast of the proposed drill holes. Seepage from the Jackpile sandstone and deeper units in the open pit has formed a pit lake at the bottom of the St Anthony mine. Due to dewatering caused by the pit, the pit lake elevation may provide a rough estimate of the head in the Jackpile and deeper, water-bearing units. The surface elevation of the collars of the proposed drill holes is about 6100 feet (+/-) and the pit bottom elevation is about 5850 feet (+/-). The estimated depth to water could range from about 250 feet in holes drilled in the southeast part of the area to shallow levels, reflective of the elevation of the Jackpile intercepts in holes in the northwest part.

The nature of groundwater (quality and quantity) in the Jackpile and deeper Jurassic water-bearing units has been described in Baldwin and Rankin (1994. *Hydrogeology of Cibola County, New Mexico*. U.S. Geological Survey. Water-Resources Investigation Report 94-4178.).

The water quality in the Jackpile sandstone is expected to be like what has been reported for the Westwater Canyon and other water-bearing units in the Jurassic Morrison Formation in the Paguata area. Total dissolved solids concentrations ranges from 500 to 1500 mg/L; these waters tend to be sodium bicarbonate sulfate waters with dissolved sodium concentrations ranging from 150 to 450 mg/L and sulfate concentrations ranging from 190 to 480 mg/L. Since the groundwater encountered in this project is expected to be in mineralized zones, concentrations, particularly of sulfate may be higher than those reported.

- B. Will dewatering activities be conducted: No
- C. Is groundwater anticipated to be encountered during exploration: Yes

Form WR-07 (Application for permit to drill a well with no consumptive use of water) will be completed and mailed to the District Office of the State Engineer as soon as the conditions of the permit are finalized.

Form WD-08 (Well plugging plan of operations) will be completed and mailed to the District Office of the State Engineer (OSE) as soon as the conditions of the permit are finalized. The OSE will be notified immediately and Form WR-08 submitted by the driller with the approval of the permit and selection of the drilling contractor.

Attachment (copies of the completed WR-07 and WD-08 forms for reference)

D. Exploration Borehole Abandonment

All drill holes, regardless of depth to water, will be considered wet boreholes and the abandonment will be completed to protect groundwater.

Wet Boreholes

All boreholes will be abandoned using wet hole abandonment (option 1): Neat cement slurry, mixed according to the manufacturer's recommendations, emplaced with a tremie pipe from total depth to within 2 feet of the original ground surface, followed by 2 feet of topsoil/topdressing.

D. Applicant agrees to contain any water produced from the exploration borehole at the drill site and acknowledges that discharge of this water to a watercourse may be a violation of the Federal Clean Water Act: Yes

E. Is any drilling proposed to occur within the channel of any perennial, intermittent, or ephemeral streams? No

F. Is any drilling anticipated to occur within 100 feet of any perennial, intermittent, or ephemeral streams? No

SECTION 7 – RECLAMATION & OPERATION PLAN (§302.D.6 AND 302.I.K)

Salvage/Preservation of Topsoil

No grading is expected as part of this project, so no topsoil will be stripped.

Erosion Control

Describe the best management practices that will be implemented to control erosion:

Silt fencing Location: if needed in areas along main road improvements or other disturbances to prevent erosion and runoff from these areas during the project.

A. Reclamation Details and Plan

All areas that are disturbed by overland travel and/or development work will be reclaimed using the following methods:

Following the exploration work, the disturbed areas will be ripped and seeded as necessary. All disturbed areas that experienced heavy vehicular traffic, including temporary access routes will be assessed and if necessary, ripped and reseeded. Ripping would be to a depth of about 1 foot to relieve compaction. Ripping and other seedbed preparation procedures will be conducted when surface and subsurface soil moisture conditions are dry to avoid compaction.

Is seeding of the reclaimed areas proposed: Yes, but only in areas that have been ripped to address compaction concerns.

Ripping and other seedbed preparation procedures will be conducted when surface and subsurface soil moisture conditions are dry to avoid compaction. Any seeding will be done with a mixture of native grass species adapted to the area. Seed will be certified weed-free. The following table lists the species and their application rate in pounds Pure Live Seed per Acres (PLS/ac):

**TABLE 1
RECLAMATION SEED MIX FOR THE
CEBOLLETA MINIMAL IMPACT EXPLORATION PERMIT**

Common Name	Prefered Variety	Ibs PLS/ac	% of Mix
Alkali sacaton	Salado	2.0	20
Western wheatgrass	Arriba, Barton	16.0	30
Galleta (Caryopsis)	Viva	4.0	10
Blue grama	Lovington, Hachita, Alma	3.0	15
Bottlebrush squirreltail	Available species	5.0	10
Spike muhly	El Vado	2.0	5
Fourwing saltbush	Rincon, Santa Rita	1.0	5
Winterfat	Hatch	1.0	5
		TOTAL	100

Seeding will be by broadcast methods if needed.

B. Reclamation Timeline

Applicant/Owner/Operator commits to reclamation of the disturbed area as soon as possible following the completion or abandonment of the exploration operation, unless the disturbed area is included within a complete permit application for a new mining permit: Yes, but constrained by the monsoon rainy season.

Anticipated Start of Reclamation: 0-30 days after completion of drilling and prior to the monsoon rainy season.

**SECTION 8 – PERMIT FEES AND FINANCIAL ASSURANCE
(§302.1.2 AND 5)**

A. Financial assurance must be posted with Mining and Minerals Division prior to approval of this application. The acceptable forms of financial assurance are surety bonds, letters of credit, and certificates of deposit. Provide an estimate of, and an instrument for, the proposed financial assurance required by Subpart 3.

Surety Bond

Letter of Credit

Cash Account / Certificate of Deposit - anticipated

Estimated amount of financial assurance: \$43,000 [assuming rolling FA for drill holes]

Or

Applicant will provide the amount of financial assurance calculated by MMD.

B. Attach the permit fees as determined pursuant to Subpart 2. The application fee for a minimal impact exploration permit is \$500.00. **N/A – this is an amendment to application submitted September 2022.**

Money Order/Cashier's Check

Check

Check Number : _____

Financial Institution: _____

SECTION 9 – CERTIFICATION REQUIREMENT (§302.1.3 & 4)

I certify that I have personally examined and am familiar with the information submitted herein and based on my inquiry of those individuals responsible for obtaining the information; I believe the submitted information is true, accurate, and complete. I agree to comply with the reclamation requirements set forth in this permit application and related correspondence, the New Mexico Mining Act and the Rules. Further, I certify that I am not in violation of any other obligation under the New Mexico Mining Act or the Rules adopted pursuant to that Act and I allow the Director to enter the permit area, without delay, for the purposes of conducting inspections during exploration and reclamation.



Signature of Permittee or Authorized Agent: _____

Name (type or print): Robert Newcomer

Title/Position: Consultant

Date: March 15, 2023

Figure 1. Cebolleta Access Map

PART 3 MINIMAL IMPACT EXPLORATION OPERATION PERMIT APPLICATION
Cebolleta Exploration Project
Submitted on: March 14, 2023

Applicant: Cibola Resources, LLC, 18032 Road G, Cortez, CO 81321
Map Prepared by: Mike Thompson, Manager

0 1.25 2.5 5 1 in = 6,700 ft
mi 1 : 80,000



LEGEND

- Lease Boundary
- proposed drilling locations

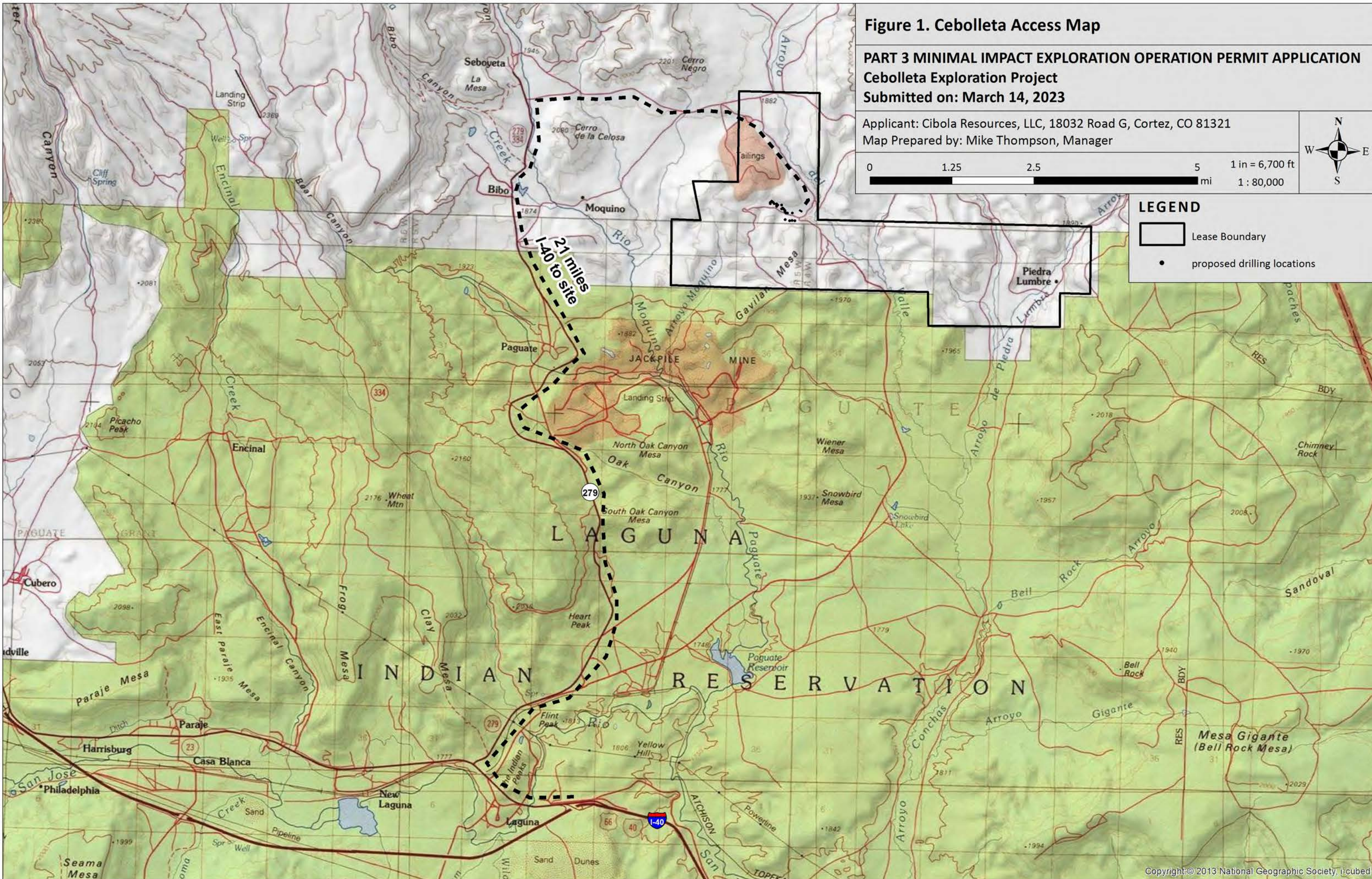


Figure 2. Topographic Map of Drilling Locations

PART 3 MINIMAL IMPACT EXPLORATION OPERATION PERMIT APPLICATION
Cebolleta Exploration Project
Submitted on: March 14, 2023

Applicant: Cibola Resources, LLC, 18032 Road G, Cortez, CO 81321
Map Prepared by: Mike Thompson, Manager

0 0.375 0.75 1.5 1 in = 2,000 ft
Miles 1 : 24,000



LEGEND

- Lease Boundary
- cultural and biological clearance areas (150 feet from disturbed areas)
- proposed drilling locations

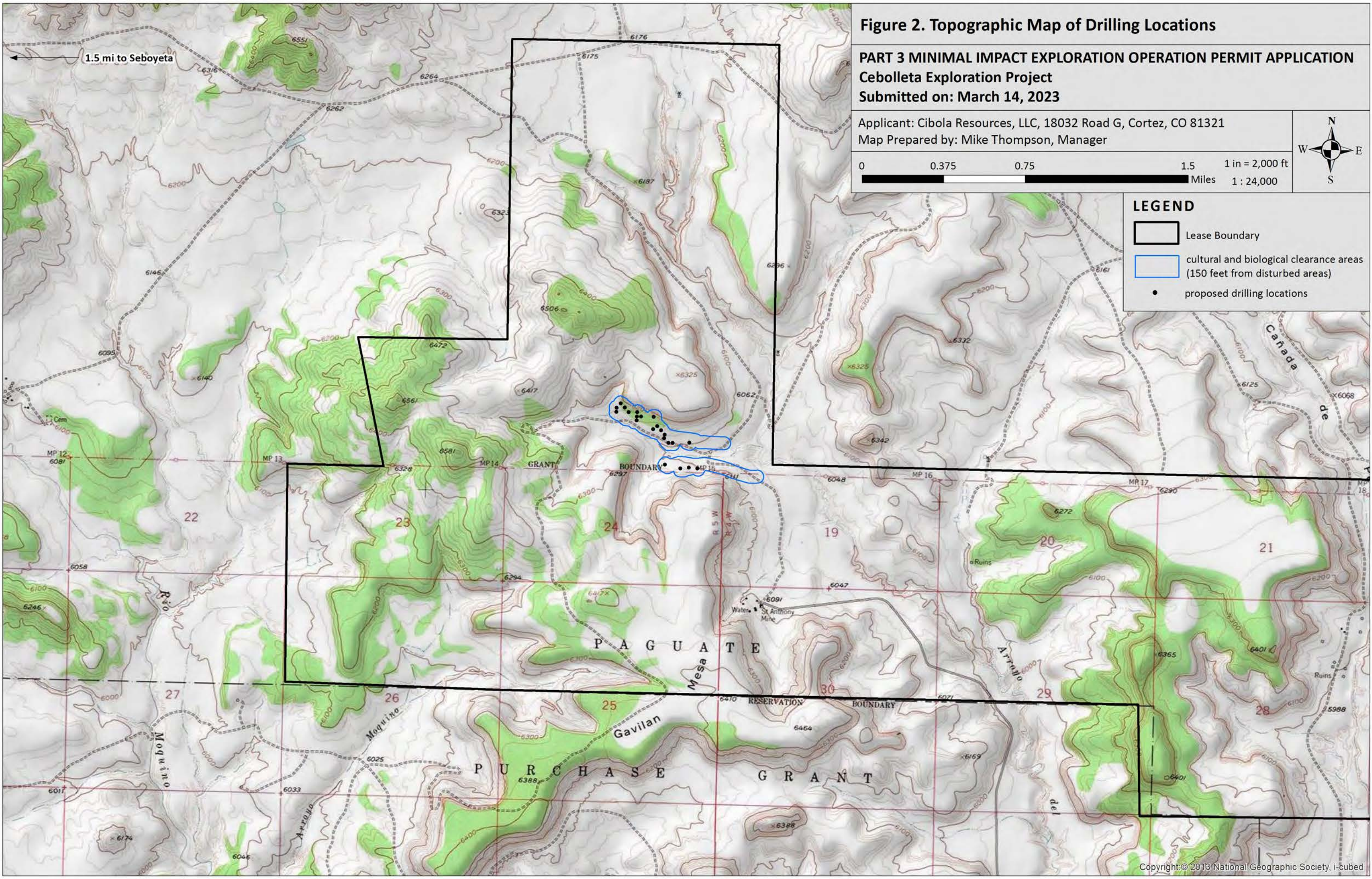


Figure 3. Drilling Locations

PART 3 MINIMAL IMPACT EXPLORATION OPERATION PERMIT APPLICATION
Cebolleta Exploration Project
Submitted on: March 14, 2023

Applicant: Cibola Resources, LLC, 18032 Road G, Cortez, CO 81321
Map Prepared by: Mike Thompson, Manager

0 250 500 1,000 ft 1 in = 250 ft
1 : 3,000



LEGEND

- cultural and biological clearance areas (150 feet from disturbed areas)
- drill pads (100 ft by 60 ft) and overland access routes
- current drilling locations
- historic drilling locations
- preexisting roads

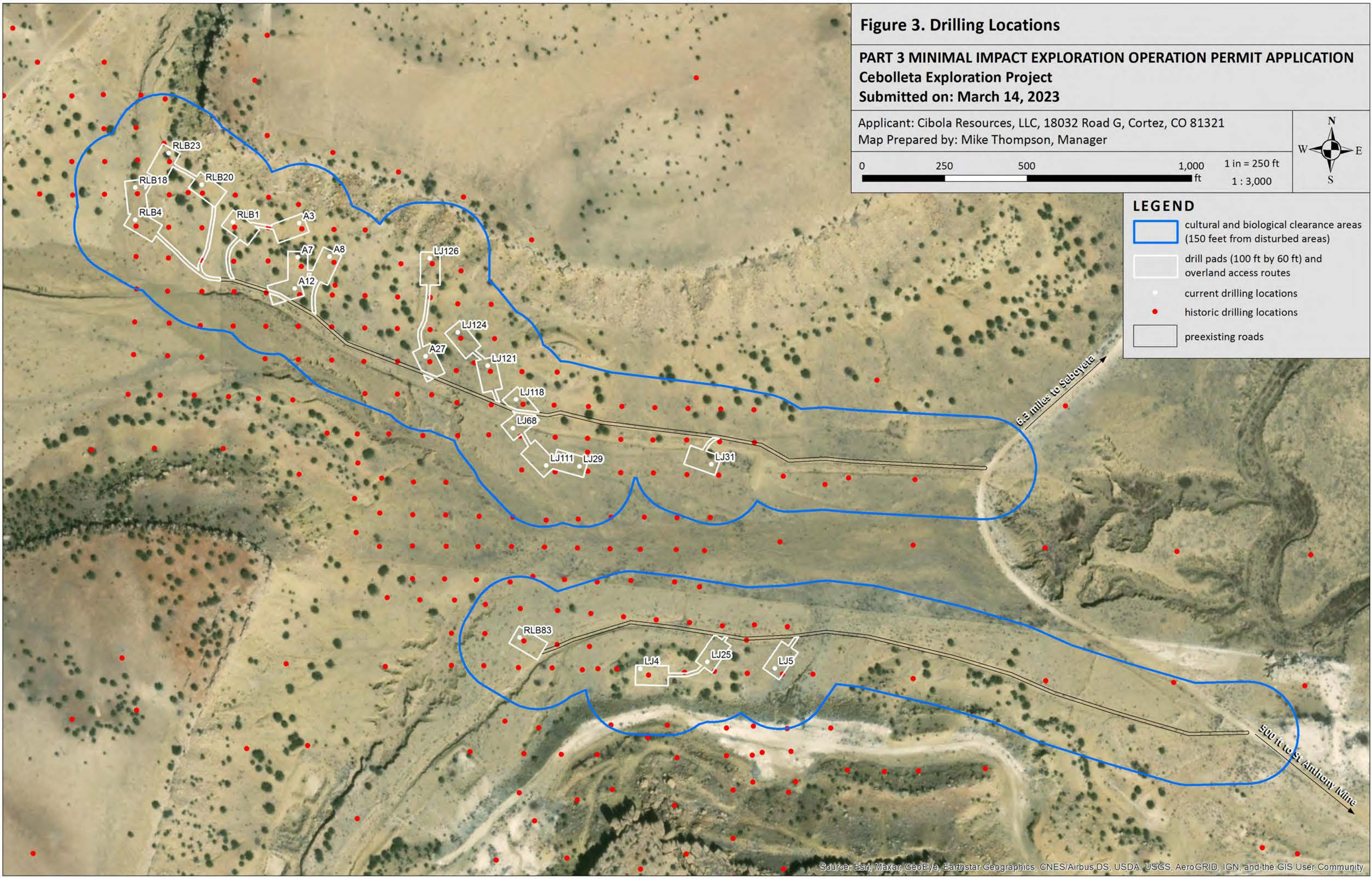


Table 1. Drill Hole Coordinates

DH #	Identification	Northing/Latitude (North)	Easting/Longitude (West)
1	LJ5	35.16852	107.31191
2	LJ25	35.16856	107.3126
3	LJ4	35.16849	107.31329
4	RLB83	35.16873	107.31454
5	RLB18	35.17244	107.31859
6	RLB4	35.17217	107.31858
7	RLB23	35.17274	107.31825
8	RLB20	35.17248	107.31791
9	RLB1	35.17217	107.31758
10	A3	35.17217	107.3169
11	A7	35.17189	107.3169
12	A8	35.1719	107.31658
13	A12	35.17163	107.31693
14	LJ126	35.1719	107.31555
15	A27	35.17108	107.31557
16	LJ124	35.17129	107.31524
17	LJ121	35.171019	107.31494
18	LJ118	35.17073	107.31463
19	LJ68	35.17049	107.31465
20	LJ111	35.17018	107.3143
21	LJ129	35.17018	107.31396
22	LJ131	35.17023	107.31261

ATTACHMENT A
RIGHT TO ENTER INFORMATION

Redacted

ATTACHMENT B
CULTURAL RESOURCE SURVEY

Redacted

ATTACHMENT C
BIOLOGICAL SURVEY

BIOLOGICAL EVALUATION
CEBOLLETA EXPLORATION PROJECT

Prepared for:

Cibola Resources, LLC
18032 Rd. G | Cortez, CO 81321

Prepared by:

Rocky Mountain Ecology, LLC
P.O. Box 45193 | Rio Rancho, NM 87174



A handwritten signature in black ink, appearing to read "Clayton P. Bowers".

Signed By: _____
Clayton P. Bowers – Rocky Mountain Ecology LLC

Date: February 22, 2023

Approved By: _____
David Ennis – Permit Lead, Mining and Minerals Division, EMNRD

Date: _____

Table of Contents

I. Introduction and Proposed Action	1
Project Location.....	1
Mining Activities.....	1
II. Methods	2
III. Environment and Existing Conditions	6
Physiogeography.....	6
Soils	6
Vegetation	6
Noxious and Invasive Weeds.....	7
Rare Plants.....	7
Wildlife.....	7
Wetlands and Waterways.....	7
IV. Threatened, endangered, and proposed species being considered.....	8
V. Special status species being considered.....	9
VI. Potential for Effects	11
VII. Determination Summary.....	12
VIII. Summary and Conclusions.....	13
IX. Literature Cited	14

I. Introduction and Proposed Action

Cibola Resources, LLC (CBR) proposes to engage in exploratory drilling activities to support uranium exploration within Cibola County, New Mexico (Figure 1). The proposed drilling locations are amongst scattered historic uranium mines that have been abandoned in an area located within a prolific mineral belt north of Laguna, NM. CBR anticipates disturbance on up to 4.3 acres (ac) of land to support the exploratory drilling on unplatted lands within the Cebolleta Land Grant (Figures 2 & 3). CBR intends to apply for the minimal impact permit with the New Mexico Mining and Minerals Division at the conclusion of environmental and cultural due diligence.

Rocky Mountain Ecology, LLC (RME) has been contracted to prepare this Biological Evaluation (BE) in compliance with Section 7 of the Endangered Species Act (ESA) (19 U.S.C. 1536 (c), 50 CFR 402.12 (F) and 402.14 (c)) and other relevant Federal laws and regulations. This BE discloses and analyzes impacts associated with drilling operations as proposed by CBR.

Project Location

The Cebolleta Exploration Project is located approximately 5 miles southeast of Seboyeta, NM. It is located on private lands associated with the Cebolleta Land Grant in Cibola County, New Mexico. The project area can be located on the Moquino, NM U.S. Geological Survey 7.5-minute topographic map. From Seboyeta, access to the site can be gained from an existing county road and then on unmaintained private two-track roads.

Project Activities

The purpose of the Proposed Action is to allow CBR to test for the viability of a uranium mine in the proposed permit area. CBR would utilize existing access routes to two distinct drilling areas harboring a total of 22 drill pads/holes. Each drill hole would be drilled to an approximate depth of 400 feet (ft) (Figure 3). All site disturbance would be minimized to the extent possible. CBR intends to acquire a Minimal Impact Permit with the New Mexico Mining and Minerals Division (MMD) to cover the proposed exploratory drilling activities. Less than 5 ac would be disturbed as part of the proposed action. Future expansion and development would likely occur as needed.

The need for the action is to develop the uranium resource, which is a reliable, clean and safe energy source. This BE has been prepared to analyze impacts and determine effects of the Proposed Action on federally proposed, threatened and endangered species, and NM state listed species. Specifically, this BE would provide knowledge regarding protected species, and assist the proponent in determining if formal consultation with the U.S. Fish and Wildlife Service (USFWS) is prudent. This document would also aid in determining if the Proposed Action would lead toward the federal listing of any state listed species or federal candidate species on the Endangered Species Act of 1973 as amended.

II. Methods

The Endangered Species Act of 1973 (ESA) requires the evaluation of potential impacts on federally-listed species and their critical habitat. The USFWS, the New Mexico Department of Game and Fish (NMDGF) and the NM Rare Plant Technical Council (NMRPTC) databases were reviewed to determine potential occurrence of state listed and federal proposed, threatened, and endangered species in the project area. Specifically, the USFWS New Mexico Ecological Services website (<http://ecos.fws.gov/>) was verified for federally-listed flora and fauna species (Project Code: 2023-0047677 – Appendix B; USDI 2023). The NM Rare Plants website (<http://nmrareplants.unm.edu>) was searched for information on potential sensitive flora species within Cibola County (NMRPTC 1999). Habitat associations and species descriptions for the targeted species were derived from these websites, and their habitat requirements were then compared to the habitat found in the project area to identify which species were likely to occur. Species considered unlikely to occur and for which suitable habitat does not exist within the project area, were removed from further consideration. A list of target species—those species that are likely to occur or have potential habitat within the project area—was developed from these comprehensive lists prior to the biological survey.

A 100-percent pedestrian biological survey of the project area was conducted by Clay Bowers, a RME qualified biologist (hereafter referred to as the biological survey). In addition to surveying all drill pad and access locations, a 150-foot buffer around all project elements was also surveyed, for a total survey area of 54 ac. The biological survey was conducted on February 17, 2023 from 9:15 am to 2:00 pm Mountain Daylight Time (MDT). During the survey, air temperature was 40 degrees Fahrenheit (°F) with partly cloudy skies and calm winds. During the biological survey, searches for the presence of noxious weeds as defined by the New Mexico Department of Agriculture (NMDA) and for the presence of potential wetlands and waters of the U.S. as defined by the U.S. Army Corps of Engineers (USACE) were also conducted.

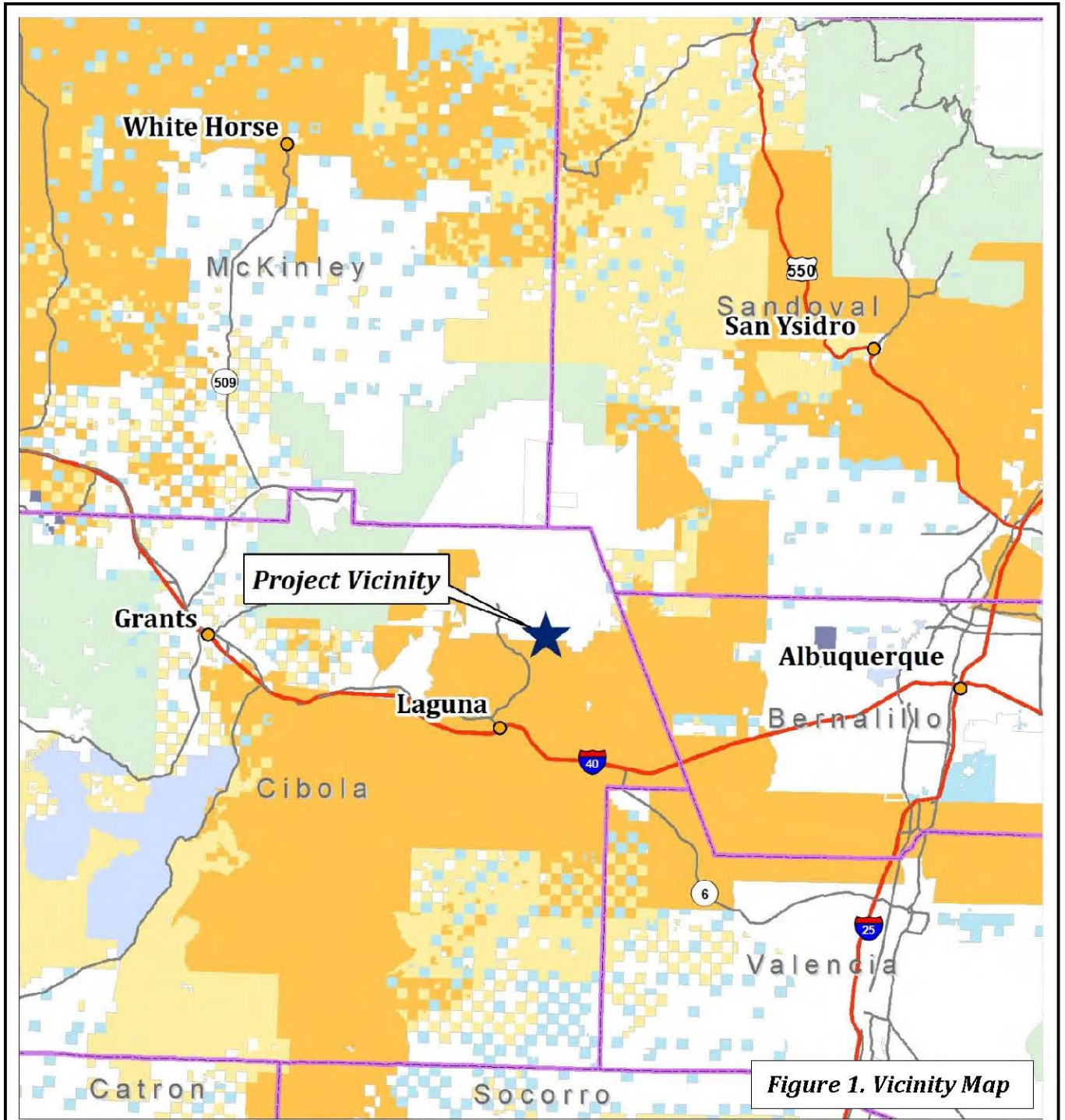
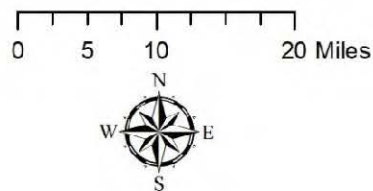


Figure 1. Vicinity Map

Legend

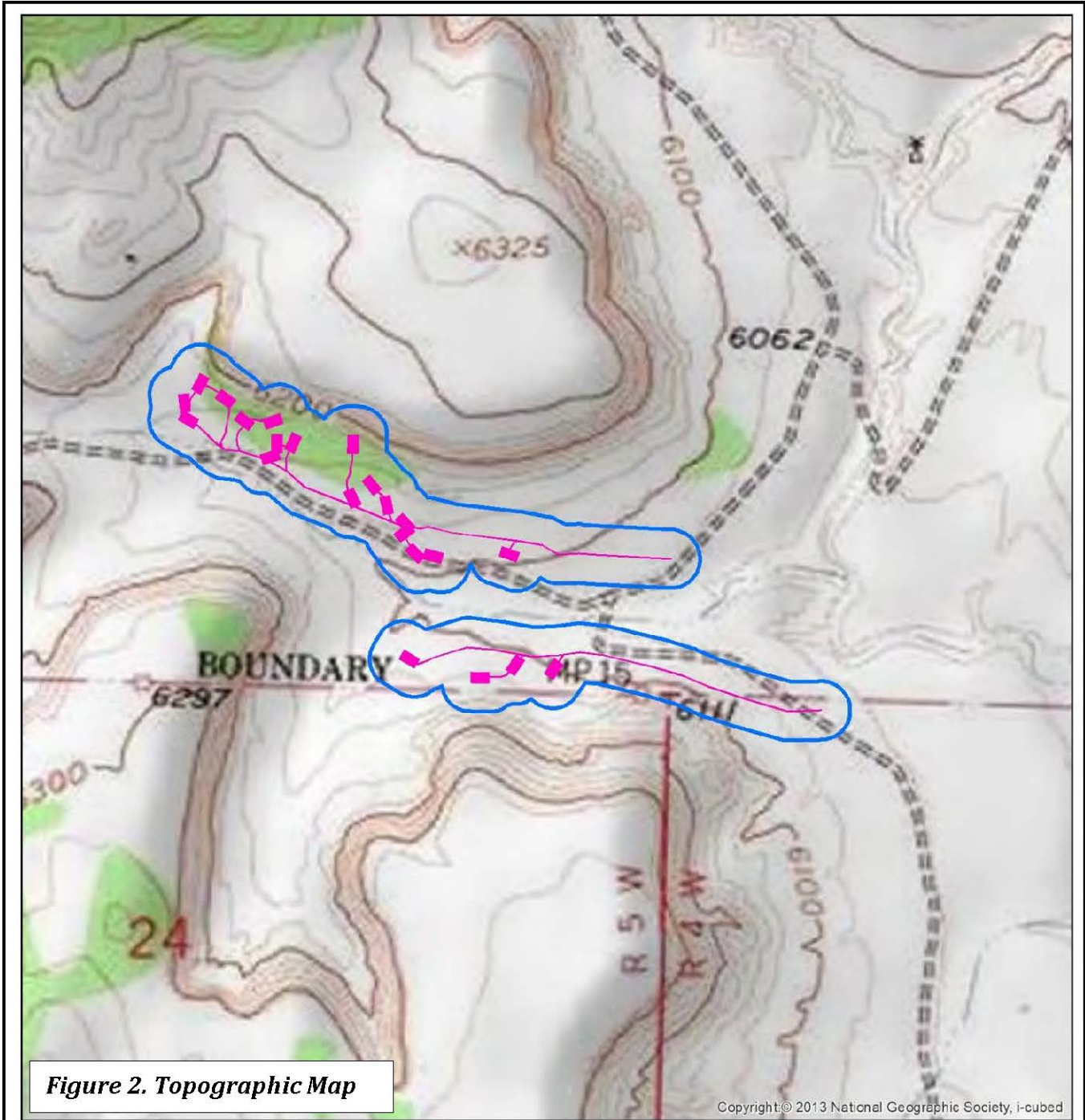
County Boundaries	USFWS
Interstates	BIA
NM State Highways	NPS
US Highways	Private
BLM	State
Forest Service	State Park



Project Location



Map created by Rocky Mountain Ecology, 07/2022





0 0.1 0.2 0.4 Miles

Project Location

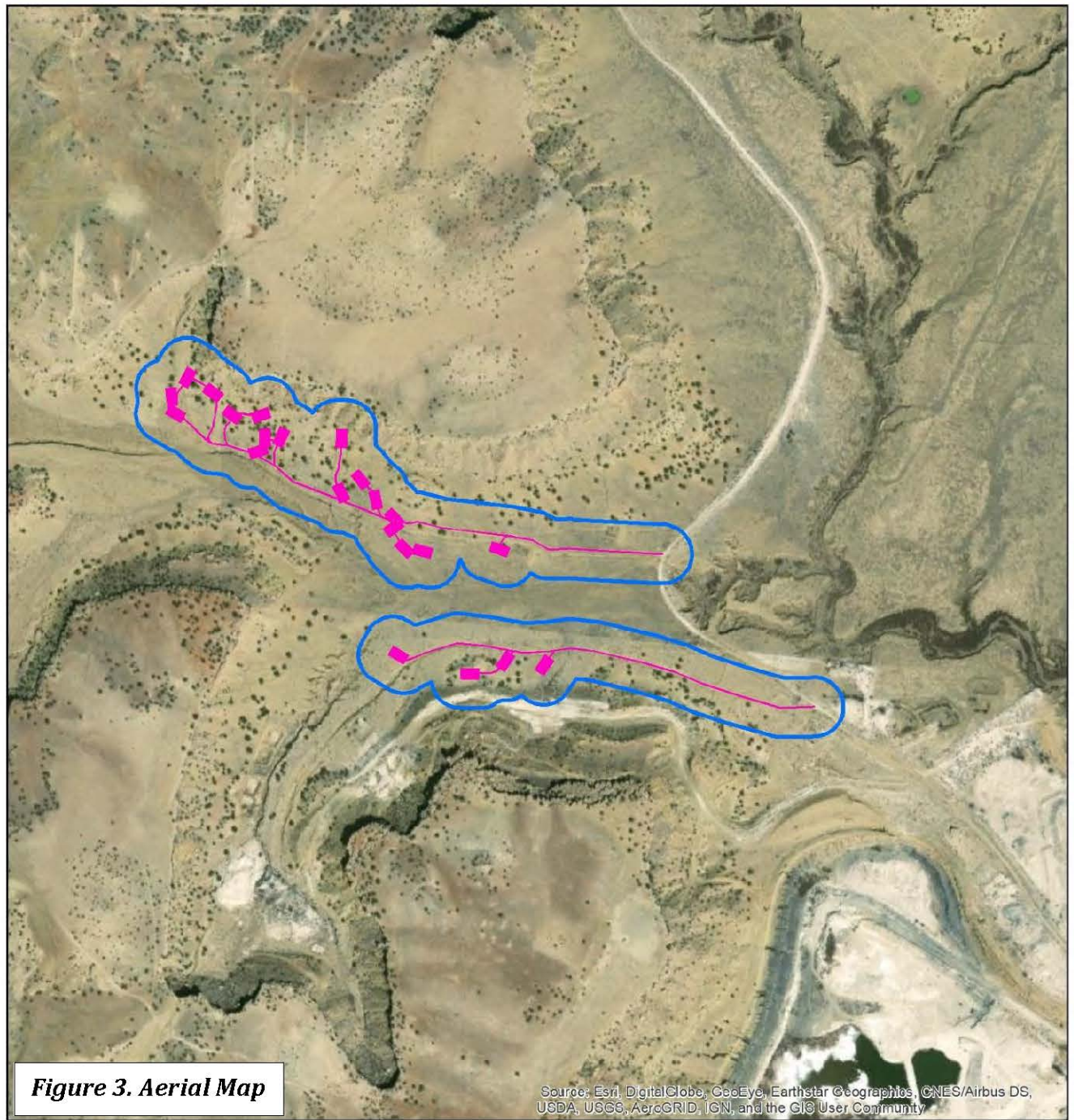


Legend

-  Survey Area Buffer - 54 ac
-  Drill Pads and Access Routes < 5ac



Map Created by Rocky Mountain Ecology, LLC 02/2023





0 0.1 0.2 0.4 Miles

Project Location



Legend

-  Survey Area Buffer - 54 ac
-  Drill Pads and Access Routes < 5ac



Map Created by Rocky Mountain Ecology, LLC 02/2023

III. Environment and Existing Conditions

The elevation of the project area occurs at approximately 6,040 feet above sea level. Topography in the immediate project area is generally flat with a slight eastern aspect. Within the southern and northern limits of the project area, an abrupt outcrop of banded sandstone rises up from the adjacent landform. The surrounding landscape is defined by highly incised drainages with prominent tablelands (mesas) dominating the viewshed. Average temperatures in the general area range from a minimum of 19.4 °F in December to a maximum of 90.1 °F in July. Annual precipitation averages 9.9 inches (WRCC 2023).

Physiogeography

The project area is located within the Semiarid Tablelands sub-region of the Arizona/New Mexico Plateau ecoregion (Griffith et al. 2006), which includes mesas, plateaus, valleys and canyons formed from gentle dipping sedimentary rocks. Bedrock exposures are common in the subregion along with loose stands of scattered pinon-juniper forests. The surrounding area has been subject to historic uranium mining activities which have been decommissioned. The primary use of the general area is livestock grazing.

Soils

The project area occurs in the Grants Mineral Belt of New Mexico, which contains approximately 37 percent of all Uranium produced in the United States (Dahlkamp 2010). Soil types were identified as determined by the Natural Resource Conservation Service (NRCS) Web Soil Survey (NRCS 2023). Soils in the proposed project area are classified by two major types: Skyvillage-Rock outcrop-Bond complex (52 percent of area (uplands)), and Sparank-San Mateo complex (48 percent of area (lowlands)). The composition of these respective soils is as follows. The Skyvillage series has a parent material of eolian deposits derived of sandstone and occurs on mesas and benches on 3 – 40 percent slopes. These soils are well drained and have no frequency of flooding or ponding. The Sparank series has a parent material of fan alluvium derived from shale, sandstone and siltstone, and occurs on floodplains, drainageways and alluvial fans on 0-5 percent slopes. These soils are well drained and have no frequency of ponding and occasional frequency of flooding (NRCS 2023).

Vegetation

The project area is located within the Juniper Savanna vegetation community (Dick-Peddie 1993). The project area is divided into two landform types: the uplands which contain a less robust herbaceous component, and the lowlands which contain dense grasses and forbs due to the nearby presence of an active ephemeral flowpath. The lowlands in the project area consist of a heavy community of alkali sacaton (*Sporobolus airoides*), lovegrass (*Eragrostis* spp.) and blue grama (*Bouteloua gracilis*). Other dominant herbaceous species noted during the biological survey include galleta grass (*Pleuraphis jamesii*) and amaranth (*Amaranthus palmeri*). Trees and shrubs are limited to few and scattered one-seed juniper (*Juniperus monosperma*), four-wing saltbush (*Atriplex canescens*) and tree cholla (*Cylindropuntia imbricata*). Other species documented at the site include big sagebrush (*Artemisia tridentata*), rabbitbrush (*Chrysothamnus nauseosus*), wolfberry (*Lycium torreyi*),

prickly pear (*Opuntia macrocentra*), thinleaf yucca (*Yucca glauca*), snakeweed (*Gutierrezia sarothrae*), curlycup gumweed (*Grindelia squarrosa*), cocklebur (*Xanthium strumarium*), scarlet globemallow (*Sphaeralcea coccinea*), Adonis blazingstar (*Mentzelia multiflora*), silverleaf nightshade (*Solanum elaeagnifolium*), Russian thistle (*Salsola kali*), annual sunflower (*Helianthus annuus*), Rocky Mountain zinnia (*Zinnia grandiflora*), showy milkweed (*Asclepias speciosa*), spectaclepod (*Dimorphocarpa wislizeni*), spotted spurge (*Euphorbia maculata*), western wheatgrass (*Pascopyrum smithii*), vine mesquite (*Panicum obtusum*) and Indian ricegrass (*Oryzopsis hymenoides*). Overall, vegetation density and diversity at the site is high and vegetation condition was noted as moderate to high quality.

Noxious and Invasive Weeds

No state listed noxious weeds, as defined by the NMDA were identified within the 54-acre survey parcel (NMDA 2020). Surface disturbance activities associated with the proposed project could create potential for the establishment and spread of noxious weeds and invasive, non-native species. Invasive, non-native species can outcompete and displace native vegetation resulting in altered wildlife habitat use. Salt cedar (*Tamarix* spp.) and field bindweed (*Convolvulus arvensis*) were noted to occur near but outside the project area.

Rare Plants

No New Mexico rare plants as listed by the NMRPTC were located during the biological survey.

Wildlife

Overall vertebrate species were not abundant at the project area during the biological survey. Wildlife typical of the general area include coyotes (*Canis latrans*), desert cottontails (*Sylvilagus audubonii*), common ravens (*Corvus corax*), turkey vultures (*Cathartes aura*), bull snakes (*Pituophis catenifer sayi*), and whiptail lizards (*Cnemidophorus* spp.). Wildlife observed during the biological survey include dark-eyed juncos (*Junco hyemalis*) and mule deer (*Odocoileus hemionus*) tracks. No raptors or signs of raptor use were observed during the biological survey. No bird nests or ground burrows were observed during the biological survey. Notably, cliff habitat with suitable nesting strata occurs immediately adjacent to the project area to the north and south. Though outside of the project area, these areas were scanned with binoculars for nesting activity with negative results. It is possible these areas could be established as nesting sites prior to the onset of project activities.

Wetlands and Waterways

The Clean Water Act (CWA) of 1972 regulates activities that have the potential to impact Waters of the U.S. (WOUS). Section 404 of the CWA regulates discharge of dredged and fill materials within the ordinary high water mark (OHWM) of WOUS, and is administered by the USACE. Section 401 of the CWA regulates water quality and, for the purposes of the project, is administered by the New Mexico Environment Department (NMED), Surface Water Quality Bureau (SWQB).

Prior to the biological survey, the National Wetland Inventory (NWI) website was accessed to determine potential wetland presence within the project area, and indicated that a riverine wetland occurs in the project area, between the north and south drill pad areas. However, during the biological survey, the project area was evaluated for the presence of wetland indicators (e.g., hydrophytic vegetation or wetland hydrology) and no wetlands were located. This adjacent ephemeral flowpath that flows west to east across between the north and south drill pad polygons would not be impacted by project activities. Therefore, no impacts to jurisdictional waters of the U.S. would be incurred.

IV. Threatened, endangered, and proposed species being considered

Federally listed species (Table 1) from the project area were obtained from the USFWS Information, Planning, and Conservation System (IPaC; USFWS 2023). The project area does not contain critical habitat for any federally listed species. Potential effects of the Proposed Action on threatened, endangered, and proposed species are analyzed in this section.

Table 1. Federally listed species for the project area, as of 21 February, 2023.

Species	Legal Status	Habitat Present	Habitat not Present	Habitat Present but not Affected	Does not Occur in Area	Comments
Mammals (1)						
Mexican wolf (<i>Canis lupus baileyi</i>)	Endangered				X	Project area is outside the species recovery area.
Birds (3)						
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	Endangered		X			Riparian habitat requirement not present at project site. <u>No further analysis required.</u>
Mexican spotted owl (<i>Strix occidentalis lucida</i>)	Threatened		X			Mixed-conifer or pine-oak woodland habitat not present within project area. <u>No further analysis required.</u>
Western yellow-billed cuckoo (<i>Coccyzus americanus occidentalis</i>)	Threatened		X			Riparian woodland habitat not present at project site. <u>No further analysis required.</u>
Plants (2)						
Zuni fleabane (<i>Erigeron rhizomatus</i>)	Threatened		X			Herbaceous perennial that prefers clay hillsides with shale soils in piñon-juniper

Species	Legal Status	Habitat Present	Habitat not Present	Habitat Present but not Affected	Does not Occur in Area	Comments
						woodlands from 7,300 to 8,000 feet elevation (USFWS 1988). The project area occurs below the lower elevational threshold for the species. Further, no individuals were located during the biological survey. <u>No further analysis required.</u>
Pecos sunflower (<i>Helianthus paradoxus</i>)	Threatened		X			Occupies wetland and riparian habitats, salt marshes, and the periphery of inland salt lakes. These habitat requirements are not present at the site. <u>No further analysis required.</u>

V. Special status species being considered

Special status species (Table 2) include State threatened and endangered species with potential habitat in the project area, in addition to federal candidate species. Potential effects on these species of the Proposed Action are analyzed in this section.

Table 2. Special status species for the project area.

Species	Legal Status	Habitat Present	Habitat not Present	Habitat Present but not Affected	Does not Occur in Area	Comments
Mammals (1)						
Spotted bat (<i>Euderma maculatum</i>)	NM State Threatened			X		Forages throughout woodlands, montane meadows, shrublands, and grasslands. Roosts in crevices and cracks in cliffs (BISON-M 2023). Roosting habitat is present in the adjacent nearby

Species	Legal Status	Habitat Present	Habitat not Present	Habitat Present but not Affected	Does not Occur in Area	Comments
						cliffs to the north and south of the project area. Drilling activities could displace roosting bats from the area. However, given the expansive availability of roosting habitat in the surrounding area, this is not considered to be a significant impact. No impact to foraging bats would occur as no work would occur at night. Therefore, given the above information, <u>implementation of the Proposed Action may impact individuals, but would not impact regional habitat or spotted bat population trends.</u>
Birds (3)						
Bald eagle (<i>Haliaeetus leucocephalus</i>)	NM State Threatened		X			Found in a variety of habitats near rivers, large streams and lakes. No waterbodies are present in the general vicinity of the project area. <u>No further analysis required.</u>
American peregrine falcon (<i>Falco peregrinus anatum</i>)	NM State Threatened	X				Steep, sheer cliffs overlooking woodlands, riparian areas or other habitats supporting avian prey species in abundance. <u>Analysis Required.</u>
Gray vireo (<i>Vireo vicinior</i>)	NM State Threatened		X			Occurs in dense stands of mixed piñon, juniper and oak scrub associations, usually with a well-developed grass component. No dense stands of piñon, juniper or oak associations exist within the project area.

Species	Legal Status	Habitat Present	Habitat not Present	Habitat Present but not Affected	Does not Occur in Area	Comments
Insects (1)						
Monarch Butterfly (<i>Danaus plexippus</i>)	USFWS Candidate		X			Found in various habitats including forests, woodland, and grassland habitats where suitable forage (i.e., milkweed) is present. Suitable habitat for the species is absent from the project area. While individuals may occasionally traverse the project area, impacts to individuals or associated habitat are not anticipated from the proposed action. <u>No further analysis required.</u>

VI. Potential for Effects

Federally endangered, threatened, and proposed species

Due to the lack of federal critical habitat, general habitat or occurrence within the project area, there was a no effect determination for the federally endangered, threatened, and proposed species analyzed in the BA section (Table 1). Those species include: Southwestern willow flycatcher, Mexican spotted owl, Western yellow-billed cuckoo, Pecos sunflower and Zuni fleabane.

Special status species

Due to the lack of general habitat or occurrence within the project area, four of the five special status species received a no impact determination. Those species include: spotted bat, bald eagle, gray vireo and monarch butterfly.

The following special status species require further analysis:

- American peregrine falcon

AMERICAN PEREGRINE FALCON

Assessments of the American peregrine falcon presence/absence were conducted during the biological survey; however, extensive, species-specific surveys for falcons were not conducted. These subspecies normally nest in steep vertical cliffs in a variety of vegetation types with prey abundance apparently being a major limiting factor. Cliff habitat occurs nearby and adjacent to the project area, which could serve as future suitable nesting habitat. Further, the entire project area and surrounding landscape could serve as suitable foraging habitat.

Impact Evaluation

Roosting and nesting habitat occurs within the cliffs that occur to the immediate north and south of the project area. These areas were scanned with binoculars during the biological survey for evidence of raptor nests with no detections. However, should falcons establish a nest in these areas prior to the onset of project activities, impacts in the form of displacement (to roosting birds) or abandonment (to nests) could occur. Therefore, it is recommended that a raptor nest survey occur prior to the commencement of project activities. In addition, as the entire area is potential foraging habitat, the proposed action could directly affect the foraging options for peregrine falcons due to work activities and disturbance of foraging habitat within the project area footprint; however, foraging falcons would likely use adjacent areas that were void of construction activities. Further, no indirect impacts to this species are anticipated. Provided that a nest survey with negative results take place prior to the onset of project activities, individuals would not likely be adversely impacted by the project, nor would it result in a trend towards federal listing or loss of population viability. Should nesting falcons be discovered prior to onset of project activities, it is recommended that CBR consult with the NMDGF for a mitigation plan.

VII. Determination Summary

The Proposed Action will have the following effects/impacts:

- The Proposed Action will have no effect on the following federally listed species: Mexican wolf, southwestern willow flycatcher, Mexican spotted owl, western yellow-billed cuckoo, Pecos sunflower and Zuni fleabane for the following reasons: 1) the project area does not contain the necessary habitat or prey base; or 2) the analyzed species do not occur within the project area.

The Proposed Action will have no impact on the following special status species: spotted bat, bald eagle, gray vireo and monarch butterfly for the following reasons: 1) the project area does not contain the necessary habitat or prey base; or 2) the analyzed species do not occur in the project area.

- The Proposed Action may impact individuals, but is not likely to impact habitat or population trends the American peregrine falcon (State NM Threatened) for the following reasons: 1) nesting/forage habitat could be impacted by the Proposed Action, however given the small scale of the project, coupled with the availability of adjacent, suitable and expansive habitat, this impact is not anticipated, 2) no peregrine falcons were observed during the biological survey, 3), a pre-construction nesting survey to confirm lack of species/nest presence could be carried out immediately prior to construction activities to mitigate any impacts to the species, and 4) any displaced species would be expected to occupy adjacent similar habitat, which is widely available in the region.

VIII. Summary and Conclusions

Exploratory drilling activities in the proposed expansion area could impact up to 4.3 acres of vegetation. This impact is considered insignificant given that similar vegetation occurs expansively in the surrounding landscape. Existing roads would be utilized to access the area, however short segments from these roads would require overland travel to reach the proposed drill pads. In these areas vehicular traffic would be confined to the active corridor.

The Proposed Action will have temporary and permanent effects on wildlife. During drilling activities, larger mammals and birds may choose to leave and/or avoid the area, while individual small mammals and reptiles may be displaced. These impacts are considered discountable given the extremely small footprint of the project area when compared to the availability of expansive adjacent habitat. Any wildlife that does utilize the project area would be expected to shift their patterns to adjacent, undisturbed and suitable habitat. No bird nests were found during the biological survey. However, cliff habitat that harbors suitable nesting habitat occurs immediately adjacent to the north and south of the project area. It is recommended that a qualified biologist survey these areas for raptor nests prior to the onset of project activities. If nesting raptors are located, it is recommended that CBR consult with the NMDGF to mitigate potential impacts.

No wetlands occur within the project area. Though a potentially jurisdictional ephemeral waterway occurs between the north and south drilling areas, it would not be impacted; therefore, consultation with the USACE would not be required.

Ultimately, no federally listed species were determined to have the potential for occurring at or near the project area. Of the five special status species analyzed, four were determined to have no potential for occurring within or near the project area. A no effect determination was made for all federally threatened or endangered species due to lack of critical habitat, general habitat, or occurrence in the project area. A no impact determination was made for four special status species in the project area due to the lack of general habitat or occurrence in the project area. A determination of may impact individuals, but is not likely to impact habitat or population trends was made for the American peregrine falcon.

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Appendices

Appendix A: Photographs

Photo 1. Northern drilling area, eastern drill pad location, facing southwest.



Photo 2: LJ31 drill pad marker.



Photo 3. Northern drilling area, drill hole location in central portion, facing southwest.



Photo 4. Drill Pad #A27, facing west.



Photo 5. Drill Pad #LJ126, facing north. Note nearby cliff features.

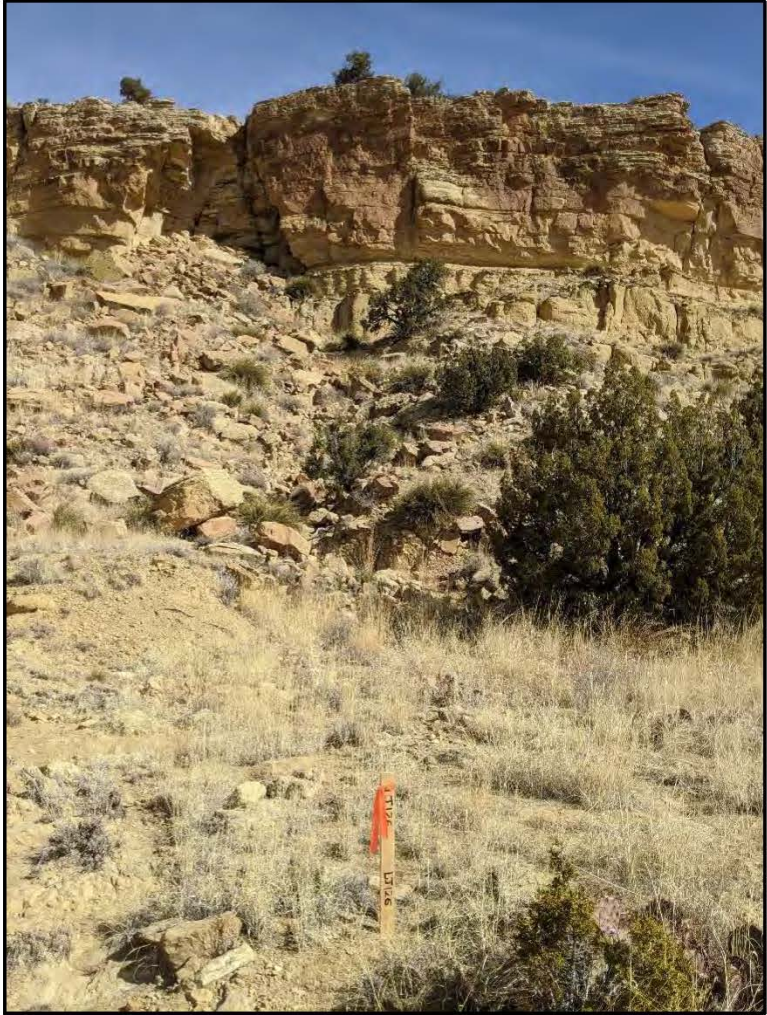


Photo 6. Southern drilling area, westernmost drill pad, facing east



Photo 7. Drill Pad #LJ4, facing northeast.



Photo 8. Representative view, southern drilling area, facing east.



Appendix B: USFWS IPaC Species Consultation List



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New Mexico Ecological Services Field Office
2105 Osuna Road Ne
Albuquerque, NM 87113-1001
Phone: (505) 346-2525 Fax: (505) 346-2542

In Reply Refer To:
Project Code: 2023-0047677
Project Name: Cebolleta Uranium Project

February 21, 2023

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for your recent request for information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of New Mexico wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 *et seq.*), the Migratory Bird Treaty Act as amended (16 USC 701-715), and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668(c)). We are providing the following guidance to assist you in determining which federally imperiled species may or may not occur within your project area, and to recommend some conservation measures that can be included in your project design.

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the ESA of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the ESA, the accuracy of this species list should be verified after 90 days. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the ESA is to provide a means whereby threatened and endangered species and

the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the ESA and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (NEPA; 42 USC 4332(2) (c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at <http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>.

Candidate Species and Other Sensitive Species

A list of candidate and other sensitive species in your area is also attached. Candidate species and other sensitive species are species that have no legal protection under the ESA, although we recommend that candidate and other sensitive species be included in your surveys and considered for planning purposes. The Service monitors the status of these species. If significant declines occur, these species could potentially be listed. Therefore, actions that may contribute to their decline should be avoided.

Lists of sensitive species including State-listed endangered and threatened species are compiled by New Mexico State agencies. These lists, along with species information, can be found at the following websites.

Biota Information System of New Mexico (BISON-M): www.bison-m.org

New Mexico State Forestry. The New Mexico Endangered Plant Program:
<https://www.emnrd.nm.gov/sfd/rare-plants/>

New Mexico Rare Plant Technical Council, New Mexico Rare Plants: nmrareplants.unm.edu

Natural Heritage New Mexico, online species database: nhnm.unm.edu

WETLANDS AND FLOODPLAINS

Under Executive Orders 11988 and 11990, Federal agencies are required to minimize the destruction, loss, or degradation of wetlands and floodplains, and preserve and enhance their natural and beneficial values. These habitats should be conserved through avoidance, or mitigated to ensure that there would be no net loss of wetlands function and value.

We encourage you to use the National Wetland Inventory (NWI) maps in conjunction with ground-truthing to identify wetlands occurring in your project area. The Service's NWI program website, www.fws.gov/wetlands/Data/Mapper.html, integrates digital map data with other resource information. We also recommend you contact the U.S. Army Corps of Engineers for permitting requirements under section 404 of the Clean Water Act if your proposed action could impact floodplains or wetlands.

MIGRATORY BIRDS

In addition to responsibilities to protect threatened and endangered species under the ESA, there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity, intentional or unintentional, resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the Service (50 CFR 10.12 and 16 USC 668(a)). For more information regarding these Acts see <https://www.fenws.gov/birds/policies-and-regulations.php>.

The MBTA has no provision for allowing take of migratory birds that may be unintentionally killed or injured by otherwise lawful activities. It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a Federal nexus) or a Bird/Eagle Conservation Plan (when there is no Federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures see <https://www.fws.gov/birds/bird-enthusiasts/threats-to-birds.php>. We also recommend review of the Birds of Conservation Concern list (<https://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>) to fully evaluate the effects to the birds at your site. This list identifies migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that represent top conservation priorities for the Service, and are potentially threatened by disturbance, habitat impacts, or other project development activities.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 thereby provides additional protection for both migratory birds and migratory bird habitat. Please visit <https://www.fws.gov/migratorybirds/pdf/management/executiveordertoprotectmigratorybirds.pdf> for information

regarding the implementation of Executive Order 13186.

We suggest you contact the New Mexico Department of Game and Fish, and the New Mexico Energy, Minerals, and Natural Resources Department, Forestry Division for information regarding State protected and at-risk species fish, wildlife, and plants.

For further consultation with the Service we recommend submitting inquiries or assessments electronically to our incoming email box at nmesfo@fws.gov, where it will be more promptly routed to the appropriate biologist for review.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List
-

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New Mexico Ecological Services Field Office

2105 Osuna Road Ne

Albuquerque, NM 87113-1001

(505) 346-2525

PROJECT SUMMARY

Project Code: 2023-0047677
Project Name: Cebolleta Uranium Project
Project Type: Subsurface Exploration - Other Energy
Project Description: American Future Fuel, LLC (AFF) proposes to engage in exploratory drilling activities to support uranium exploration within Cibola County, New Mexico (Figure 1). The proposed drilling locations are amongst scattered historic uranium mines that have been abandoned, in an area located within a prolific mineral belt north of Laguna, NM. AFF anticipates disturbance on up to 4.3 acres (ac) of land to support the exploratory drilling on unplatted lands within the Cebolleta Land Grant (Figures 2 & 3). AFF intends to apply for the minimal impact permit with the New Mexico Mining and Minerals Division at the conclusion of environmental and cultural due diligence.

The Cebolleta Uranium Project is located approximately 5 miles southeast of Seboyeta, NM. It is located on private lands associated with the Cebolleta Land Grant in Cibola County, New Mexico. The project area can be located on the Moquino, NM U.S. Geological Survey 7.5-minute topographic map. From Seboyeta, access to the site can be gained from an existing county road and then on unmaintained private two-track roads. The purpose of the Proposed Action is to allow AFF to test for the viability of a uranium mine in the proposed permit area, which would include the utilization of existing access routes two distinct areas harboring a total of 22 drill pads/holes. Each drill hole would be drilled to an approximate depth of 400 feet (ft) (Figure 3). All site disturbance would be minimized to the extent possible. AFF intends to acquire a Minimal Impact Permit with the New Mexico Mining and Minerals Division (MMD) to cover the proposed exploratory drilling activities. Less than 5 ac would be disturbed as part of the proposed action. Future expansion and development would likely occur as needed.

The need for the action is to develop the uranium resource, which is a reliable, clean and safe energy source. This BE has been prepared to analyze impacts and determine effects of the Proposed Action on federally proposed, threatened and endangered species, and NM state listed species. Specifically, this BE would provide knowledge regarding protected species, and assist the proponent in determining if formal consultation with the U.S. Fish and Wildlife Service (USFWS) is prudent. This document would also aid in determining if the Proposed Action would lead toward the federal listing of any state listed species or federal candidate species on the Endangered Species Act of 1973 as amended.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@35.16846295,-107.31095651878844,14z>



Counties: Cibola County, New Mexico

ENDANGERED SPECIES ACT SPECIES

There is a total of 7 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

-
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Mexican Wolf <i>Canis lupus baileyi</i> Population: Wherever found, except where listed as an experimental population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/3916	Endangered

BIRDS

NAME	STATUS
Mexican Spotted Owl <i>Strix occidentalis lucida</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8196	Threatened
Southwestern Willow Flycatcher <i>Empidonax traillii extimus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/6749	Endangered
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9743	Candidate

FLOWERING PLANTS

NAME	STATUS
Pecos (=puzzle, =paradox) Sunflower <i>Helianthus paradoxus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7211	Threatened
Zuni Fleabane <i>Erigeron rhizomatus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/5700	Threatened

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

IPAC USER CONTACT INFORMATION

Agency: Rocky Mountain Ecology

Name: Clay Bowers

Address: P.O. Box 45193

City: Rio Rancho

State: NM

Zip: 87174

Email: bowers@rockymountainecology.com

Phone: 5756393883

OSE Well and Plugging and Abandonment Forms

Partially Completed Examples of Forms to be Filed with OSE with Permit Receipt

File No. _____

NEW MEXICO OFFICE OF THE STATE ENGINEER



WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT



(check applicable box):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

Purpose:	<input type="checkbox"/> Pollution Control And/Or Recovery	<input type="checkbox"/> Ground Source Heat Pump
<input type="checkbox"/> Exploratory Well (Pump test)	<input type="checkbox"/> Construction Site/Public Works Dewatering	<input checked="" type="checkbox"/> Other(Describe): Mineral Exploration Drill Hole
<input type="checkbox"/> Monitoring Well	<input type="checkbox"/> Mine Dewatering	
A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.		
<input checked="" type="checkbox"/> Temporary Request - Requested Start Date: 4-1-2022		Requested End Date: 4-1-2024
Plugging Plan of Operations Submitted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

1. APPLICANT(S)

Name: Cibola Resources, LLC	Name: Bob Newcomer
Contact or Agent: <input type="checkbox"/> check here if Agent Mike Thompson	Contact or Agent: <input checked="" type="checkbox"/> check here if Agent Toltec Mesa Resources LLC
Mailing Address: 18032 Road G	Mailing Address: 7823 Quintana Dr NE
City: Cortez	City: Albuquerque
State: CO Zip Code: 81321	State: NM Zip Code: 87109
Phone: 970-426-2924 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):	Phone: (505)238-4770 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell Phone (Work):
E-mail (optional): mt@reardonsteel.us	E-mail (optional): newcomer.b.tmr@gmail.com

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 11/17/16

File No.:	Trn. No.:	Receipt No.:
Trans Description (optional):		
Sub-Basin:	PCW/LOG Due Date:	

2. **WELL(S)** Describe the well(s) applicable to this application.

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

NM State Plane (NAD83) (Feet) UTM (NAD83) (Meters) Lat/Long (WGS84) (to the nearest 1/10th of second)
 NM West Zone Zone 12N
 NM East Zone Zone 13N
 NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves , Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
			Cebolleta Land Grant
			Cebolleta Land Grant
			Cebolleta Land Grant
			Cebolla Land Grant
			Cebolla Land Grant

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
Additional well descriptions are attached: Yes No If yes, how many 22

Other description relating well to common landmarks, streets, or other:
 West of Indian Service Road 52

Well is on land owned by: Cebolleta Land Grant

Well Information: NOTE: If more than one (1) well needs to be described, provide attachment. Attached? Yes No
 If yes, how many _____

Approximate depth of well (feet): 340 Outside diameter of well casing (inches): N/A

Driller Name: Stewart Brothers Drilling Driller License Number: 331

3. **ADDITIONAL STATEMENTS OR EXPLANATIONS**

This application is for 22 mineral exploration boreholes that will extend below the water table. They will be plugged and abandoned when completed.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:	Trn No.:
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4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

<p>Exploratory: <input checked="" type="checkbox"/> Include a description of any proposed pump test, if applicable.</p>	<p>Pollution Control and/or Recovery: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p>	<p>Construction De-Watering: <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.</p>	<p>Mine De-Watering: <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p>
<p>Monitoring: <input type="checkbox"/> Include the reason for the monitoring well, and, <input type="checkbox"/> The duration of the planned monitoring.</p>	<p>Ground Source Heat Pump: <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p>		

ACKNOWLEDGEMENT

I, We (name of applicant(s)), Michael Thompson

Print Name(s)

affirm that the foregoing statements are true to the best of (my, our) knowledge and belief.

Applicant Signature _____

Applicant Signature _____

ACTION OF THE STATE ENGINEER

This application is:

approved partially approved denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this _____ day of _____ 20 _____, for the State Engineer,

_____, State Engineer

By: _____
Signature

Print

Title: _____
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07

File No.:	Trn No.:
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WELL PLUGGING PLAN OF OPERATIONS



NOTE: A Well Plugging Plan of Operations shall be filed with and accepted by the Office of the State Engineer prior to plugging.

I. FILING FEE: There is no filing fee for this form.

II. GENERAL / WELL OWNERSHIP:

Existing Office of the State Engineer POD Number (Well Number) for well to be plugged: RG
Name of well owner: Cibola Resources, LLC
Mailing address: 18032 Road G
City: Cortez State: CO Zip code: 81321
Phone number: 970-565-0278 E-mail: mt@readonsteel.us

III. WELL DRILLER INFORMATION:

Well Driller contracted to provide plugging services: Stewart Brothers Drilling
New Mexico Well Driller License No.: 331 Expiration Date: _____

IV. WELL INFORMATION:

Note: A copy of the existing Well Record for the well to be plugged should be attached to this plan.

1) GPS Well Location: Latitude: _____ deg, _____ min, _____ sec
Longitude: _____ deg, _____ min, _____ sec, WGS84
 Check if seconds are decimal format.

2) Reason(s) for plugging well:

Exploration drill hole - plugged at end of drilling program;

3) Was well used for any type of monitoring program? No If yes, please use section VII of this form to detail what hydrogeologic parameters were monitored. If the well was used to monitor contaminated or poor quality water, authorization from the New Mexico Environment Department may be required prior to plugging.

4) Does the well tap brackish, saline, or otherwise poor quality water? unknown If yes, provide additional detail, including analytical results and/or laboratory report(s):

5) Static water level: 240 est feet below land surface / feet above land surface (circle one)

6) Depth of the well: 340 feet

- 7) Inside diameter of innermost casing: _____ inches.
- 8) Casing material: _____
- 9) The well was constructed with:
 an open-hole production interval, state the open interval: _____
 a well screen or perforated pipe, state the screened interval(s): _____
- 10) What annular interval surrounding the artesian casing of this well is cement-grouted? _____
- 11) Was the well built with surface casing? _____ If yes, is the annulus surrounding the surface casing grouted or otherwise sealed? _____ If yes, please describe:
- 12) Has all pumping equipment and associated piping been removed from the well? _____ If not, describe remaining equipment and intentions to remove prior to plugging in Section VII of this form.

V. DESCRIPTION OF PLANNED WELL PLUGGING:

Note: If this plan proposes to plug an artesian well in a way other than with cement grout, placed bottom to top with a tremie pipe, a detailed diagram of the well showing proposed final plugged configuration shall be attached, as well as any additional technical information, such as geophysical logs, that are necessary to adequately describe the proposal.

- 1) Describe the method by which cement grout shall be placed in the well, or describe requested plugging methodology proposed for the well:

Cement grout will be placed via a tremie pipe from the bottom of the hole to the surface.
- 2) Will well head be cut-off below land surface after plugging? N/A

VI. PLUGGING AND SEALING MATERIALS:

Note: The plugging of a well that taps poor quality water may require the use of a specialty cement or specialty sealant

- 1) For plugging intervals that employ cement grout, complete and attach Table A.
- 2) For plugging intervals that will employ approved non-cement based sealant(s), complete and attach Table B.
- 3) Theoretical volume of grout required to plug the well to land surface: _____
- 4) Type of Cement proposed: _____
- 5) Proposed cement grout mix: _____ gallons of water per 94 pound sack of Portland cement.
- 6) Will the grout be: _____ batch-mixed and delivered to the site
 _____ mixed on site

7) Grout additives requested, and percent by dry weight relative to cement:

8) Additional notes and calculations:

VII. ADDITIONAL INFORMATION: List additional information below, or on separate sheet(s):

VIII. SIGNATURE:

I, _____, say that I have carefully read the foregoing Well Plugging Plan of Operations and any attachments, which are a part hereof; that I am familiar with the rules and regulations of the State Engineer pertaining to the plugging of wells and will comply with them, and that each and all of the statements in the Well Plugging Plan of Operations and attachments are true to the best of my knowledge and belief.

Signature of Applicant

Date

IX. ACTION OF THE STATE ENGINEER:

This Well Plugging Plan of Operations is:

- Approved subject to the attached conditions.
- Not approved for the reasons provided on the attached letter.

Witness my hand and official seal this _____ day of _____, _____

Tom Blaine P.E., New Mexico State Engineer

By: _____

TABLE A - For plugging intervals that employ cement grout. Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of grout placement (ft bgl)			
Bottom of proposed interval of grout placement (ft bgl)			
Theoretical volume of grout required per interval (gallons)			
Proposed cement grout mix gallons of water per 94-lb. sack of Portland cement			
Mixed on-site or batch-mixed and delivered?			
Grout additive 1 requested			
Additive 1 percent by dry weight relative to cement			
Grout additive 2 requested			
Additive 2 percent by dry weight relative to cement			

TABLE B - For plugging intervals that will employ approved non-cement based sealant(s). Start with deepest interval.

	Interval 1 – deepest	Interval 2	Interval 3 – most shallow
			Note: if the well is non-artesian and breaches only one aquifer, use only this column.
Top of proposed interval of sealant placement (ft bgl)			
Bottom of proposed sealant of grout placement (ft bgl)			
Theoretical volume of sealant required per interval (gallons)			
Proposed abandonment sealant (manufacturer and trade name)			