

**2RF - 148**

**ME Recycling Facility  
Application**

**Matrix Gels  
August 21, 2020**

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

Rec'd 8/21/2020  
1:33pm  
Form C-147  
Revised April 3, 2017  
Susan LK

## Recycling Facility Only

Type of action: ☒ Permit ☒ Registration ☐ Modification ☐ Closure ☐ Other (explain) \_\_\_\_\_

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: Matrix Gels LLC (For multiple operators attach page with information) OGRID #: 330103  
Address: 2010 West Avenue D. Lovington, NM 88260 Facility or well name (include API# if associated with a well):  
ME Recycling  
OCD Permit Number: \_\_\_\_\_ (For new facilities the permit number will be assigned by the district office)  
U/L or Qtr/Qtr \_\_\_\_\_ Section 14 Township 23S Range 27E County: Eddy  
Surface Owner: ☐ Federal ☐ State ☒ Private ☐ Tribal Trust or Indian Allotment

2.  
☒ **Recycling Facility:**  
Location of recycling facility (if applicable): Latitude 32.3063 Longitude -104.1688 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 ☐ Activity permitted under 19.15.17 NMAC explain type \_\_\_\_\_  
☐ Activity permitted under 19.15.36 NMAC explain type: \_\_\_\_\_ ☐ Other explain \_\_\_\_\_  
☐ **Closure Report (required within 60 days of closure completion):** ☐ Recycling Facility Closure Completion Date: \_\_\_\_\_

3.  
**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.**

4.  
**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): JAMES A WEYANT Title: CONSULTANT  
Signature: [Signature] Date: 8/14/20  
e-mail address: austin@atkinseng.com Telephone: 505 626 3993

5.  
OCD Representative Signature: \_\_\_\_\_ Approval/Registration Date: \_\_\_\_\_  
Title: \_\_\_\_\_ OCD Permit Number: \_\_\_\_\_  
☐ OCD Conditions  
☐ Additional OCD Conditions on Attachment



MATRIX GELS LLC  
2010 WEST AVE D  
LOVINGTON, NM 88260

August 14, 2020

NMOCD  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

**RE: C-147 RECYCLING FACILITY ONLY PERMIT APPLICATION FOR ME  
RECYCLING FACILITY, EDDY COUNTY, NEW MEXICO**

To whom it may concern:

Atkins Engineering Associates, Inc. (AEA) is pleased to provide this summary letter of the C-147 permit application compiled on behalf of Matrix Gels, LLC OGRID # 330103

**Location Setbacks**

- 1) 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. **No, the location is in rural Eddy county the nearest municipality is Loving, NM 3.5 miles to the southeast see (Figure 1)**
- 2) Within the area overlying a subsurface mine. **No, the location is not above a subsurface mine according to meta-data provided by EMNRD Registered Mines Map the nearest underground mine is Nash Draw Mine 15.2 miles East (see Active Mines attachment)**
- 3) Within an unstable area. **No, BLM meta-data Karst Potential is low (see figure 2)**
- 4) Within a 100-year floodplain. **No, see FEMA map Figure 1**
- 5) 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). **No, see figure 1 sourced from BLM and USGS meta-data**
- 6) Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. **No, see figure 2**
- 7) 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. **No, the only well with in 500ft is C03766 commercial usage for oil and gas operations source NMOSE iwaters.**
- 8) Within 500 feet of a wetland. **No, registered wetlands within 500ft source USACE and BLM meta-data**
- 9) Depth to groundwater. **see agenda water well invoice with static water level of nearby well**

**Recycling Facility Design**

The proposed design is a series of aboveground 500bbl tanks within a HDEP lined secondary containment with 150% of the facility volume. Total volume proposed is (10 tanks) X (500bbl) =5000bbl) (see site Layout attached)

C-147

Summary Letter

**Attachments**

Figure 1: Hydrology Setbacks

Figure 2: Karst and PODs

Figure 3: Site Layout

Invoice 3682: Static Water Level (C03766)

Figure 3: Parcel Data, Owner info

**Appendix A: Figure 16: Soil Bore and Monitoring Well Map**

**Analytical Data**

## FIGURES

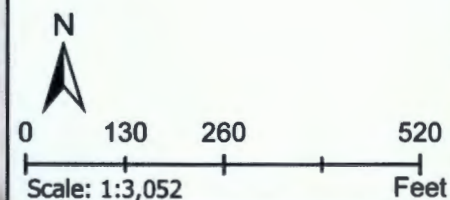


**FIGURE 1-  
Hydrology Setbacks  
ME Recycling Facility**



## LEGEND

-  Lakes\_Playas
-  Springs\_Seeps
-  Streams\_Canals
-  Flowlines\_SENM
-  FEMA\_Flood\_Zones\_2011
-  TankFarm



32.3064° -104.1688°

JOB No. merecy\_env\_20

DATE FIELD: 2/07/2020      DRAWN LCM

DATE DRAWN: 7/7/2020      REVIEW JAW



**FIGURE 2-  
Karst and NMOSE PODs  
ME Recycling Facility**

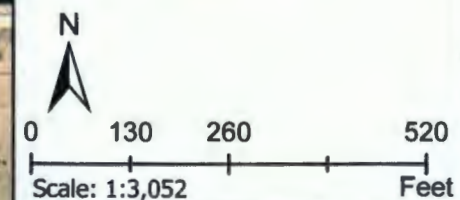


## LEGEND

- TankFarm
- TankFarm\_500Buffer
- OSE\_Points\_of\_Diversion

### BLM Karst Potential

- High
- Low
- Medium



32.3064° -104.1688°

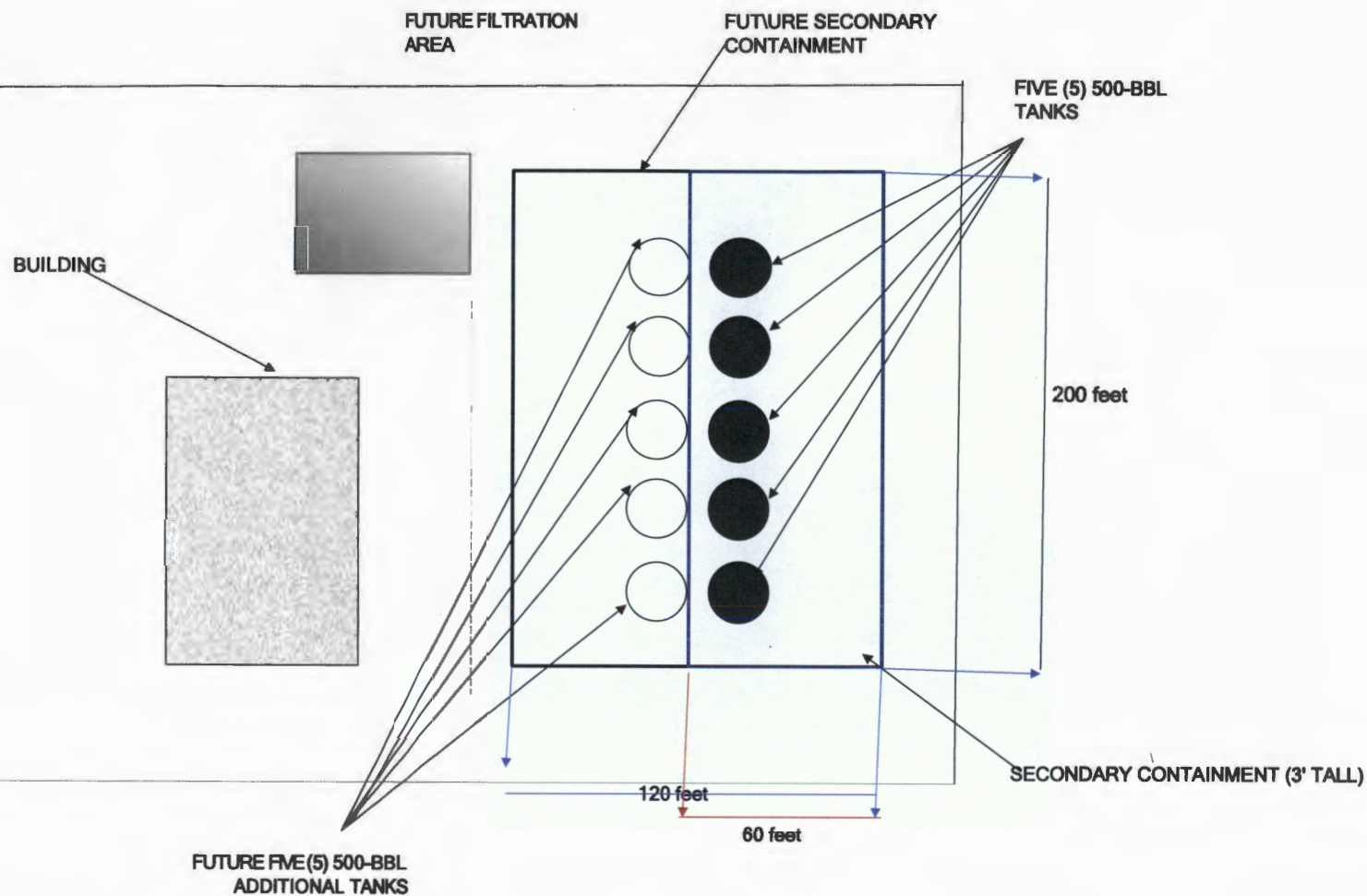
JOB No. merecy>env.20

DATE FIELD: 2/07/2020 DRAWN LCM

DATE DRAWN: 7/7/2020 REVIEW JAW

**Atkins**  
ENGINEERING ASSOCIATES





REVISIONS				
No.	DATE	DESCRIPTION	DRAWN	CHKD


<b>MATRIX GELS LLC</b> PRODUCED WATER RECYCLING FACILITY CONCEPTUAL SITE LAYOUT	
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P.O. Box 2212  
Carlsbad, NM 88220

Phone:(575)887-6918  
Cell:(505)235-0353  
Cell:(575)200-7979

# Invoice

Date	Invoice #
3/12/2020	3682

**Water Spur LLC**  
**J.D. Rose**  
**P.O.Box 1322**  
**Carlsbad, NM 88221-1322**

<b>P.O. No.</b>

<b>Terms</b>
Due On Receipt

Item	Quantity	Description	Rate	Amount
Service Pk-up	1	Hrs. March 6 Customer requested we run water sounder at location. Static Water Level 80.1' BT0C Customer declined us checking TD (Latitude 32.305978, Longitude -104.167722 & Casing Size/Material Steel)	121.25	121.25T
Discount		DISCOUNTS	-100.00%	-121.25

We appreciate the opportunity to serve your water well and pump needs. Thank you!

Certified by:

**national  
ground water  
association®**

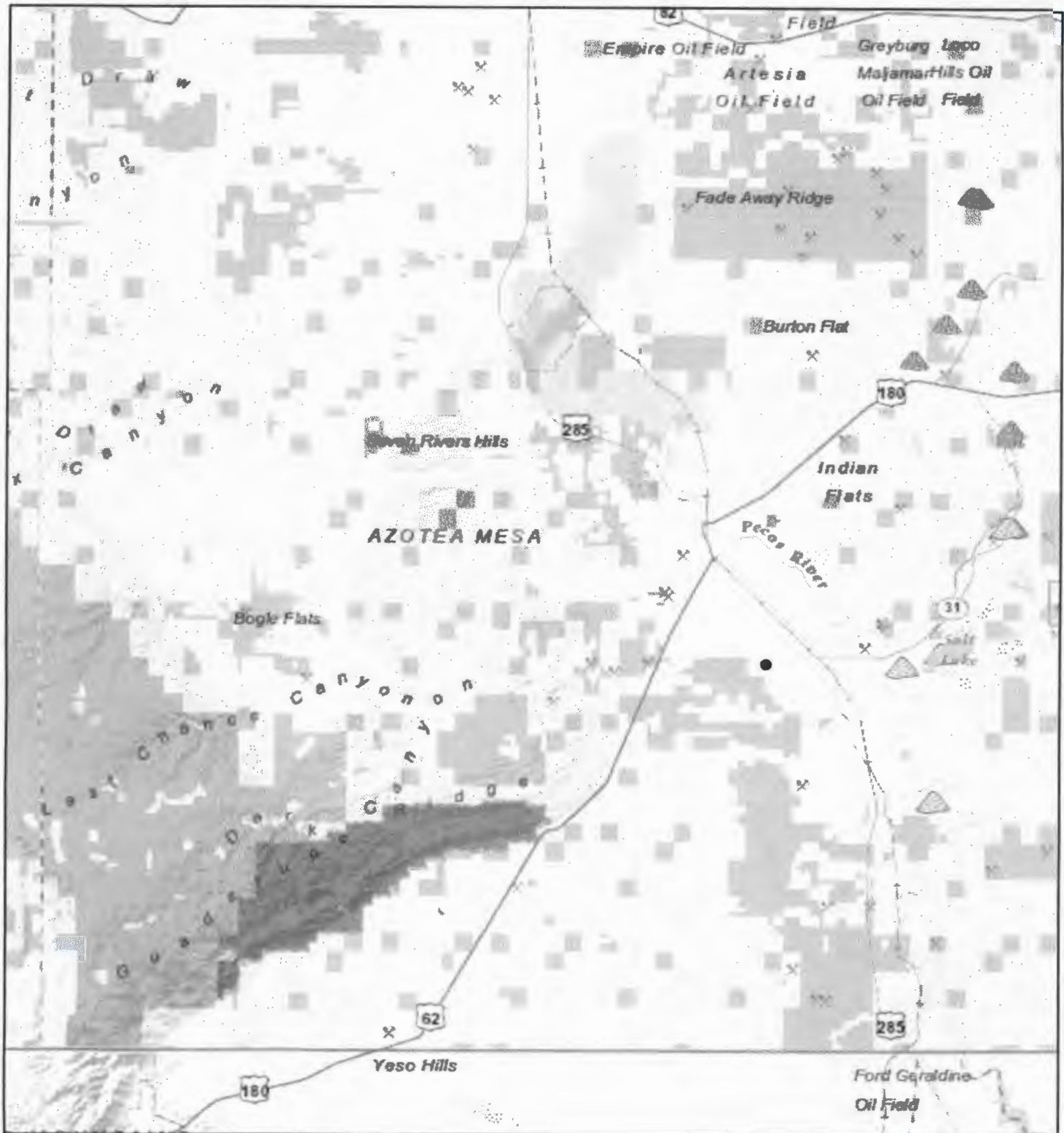


<b>Subtotal</b>	\$0.00
<b>Sales Tax (7.6458%)</b>	\$0.00
<b>Total</b>	\$0.00
<b>Payments/Credits</b>	\$0.00
<b>Balance Due</b>	\$0.00

If we sent any equipment off for warranty, you are still required to pay for the new equipment.  
If warranty is approved we will credit your account or send you a reimbursement check.

If payment are not made in full, a 4%  
APR will be added to your balance.

# Active Mines in New Mexico



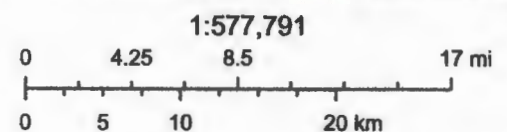
8/14/2020, 10:53:55 AM

## Registered Mines

- × Aggregate, Stone etc.
- × Aggregate, Stone etc.
- × Aggregate, Stone etc.

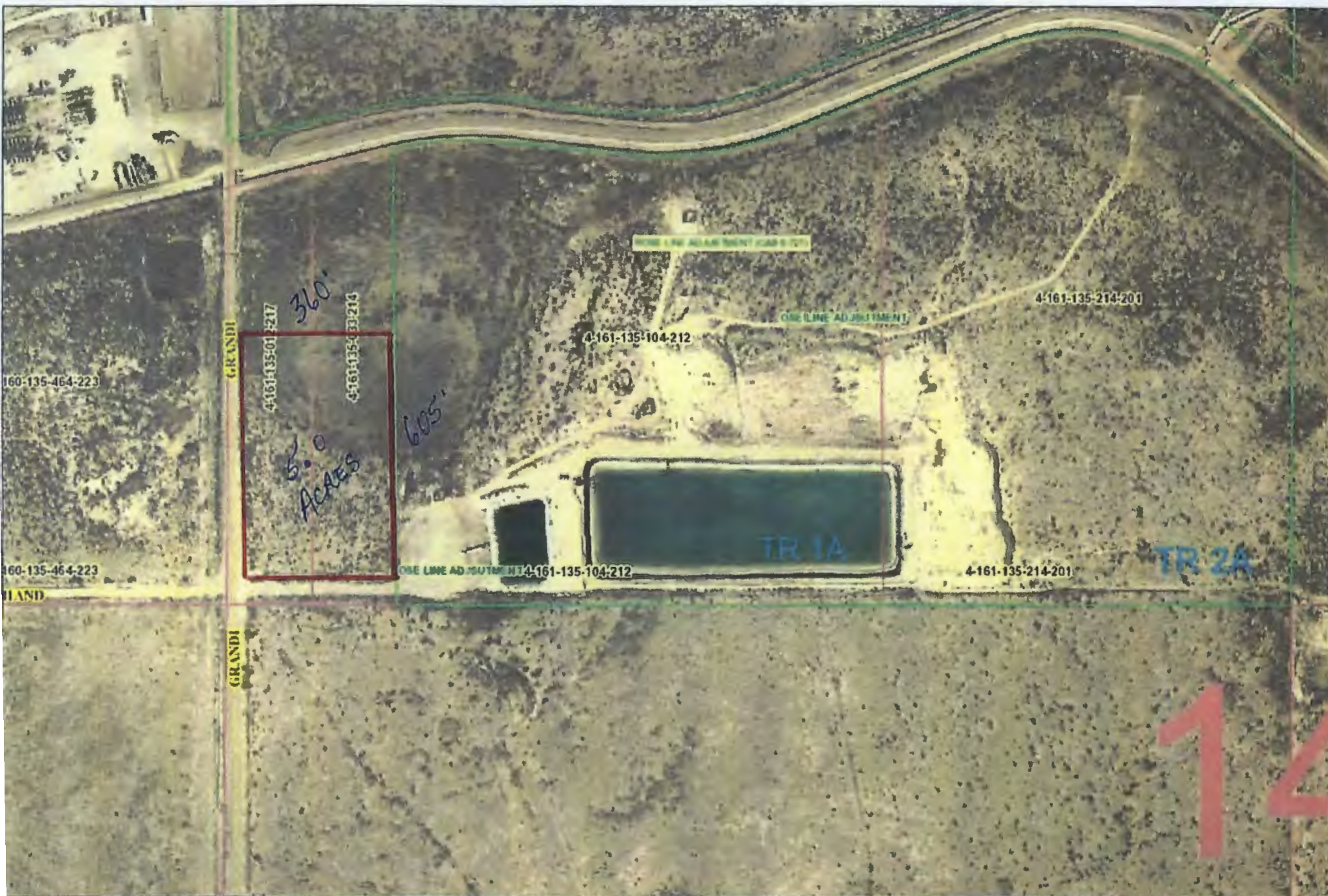
× Aggregate, Stone etc.

- ▲ Potash
- ▲ Salt



U.S. Bureau of Land Management - New Mexico State Office, Sources: Esri, USGS, NOAA, Sources: Esri, Garmin, USGS, NPS





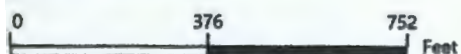
# 8228 Grandi Road Recycling Permit Map

Web Print: 05/26/2020

Lat. 32.3063° N

Lon: 104.1688° W

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



Center Point of 5 Acre Locations

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