

# Minimum Site Assessment 14-Day Report

Anderson Bulk Plant

Facility Number: 27153 / Release ID: 4773

101 Anderson Avenue SE

Albuquerque, New Mexico

Submitted December 2019 to New Mexico Environment Department – Petroleum Storage Tank Bureau on behalf of:

Honstein Oil and Distributing, LLC

11 Paseo Real

Santa Fe, New Mexico 87507

---

---

**SIERRA ENVIRONMENTAL, INC.**

3808 North Garden Avenue

Roswell, New Mexico 88201

Phone: (575) 622-7700 Fax: (575) 622-4770

---

---

## Contents

---

Statement of Familiarity .....	1
1. Introduction .....	2
1.1. Site History .....	2
1.2. Scope of Work .....	2
1.3. Deviations from the Approved Work Plan .....	2
2. Site Vicinity and General Characteristics .....	3
2.1. General Site Settings .....	3
2.2. Surrounding Properties Use .....	3
3. Site History .....	3
3.1. Ownership History .....	3
3.2. Site Tank and Investigation History .....	4
4. Site Reconnaissance .....	5
4.1. Current Use of the Property .....	5
4.2. Description of Structures, Roads, Other Improvements on the Site .....	6
4.3. Vapor Intrusion .....	6
5. Receptor Study .....	6
5.1. Regional Hydrology .....	6
5.2. Regional Surface Water .....	7
5.3. Site Hydrology .....	7
5.4. Well Receptor Study .....	7
6. Conclusions .....	8
6.1. Summary .....	8
6.2. Recommendations .....	8

---

Appendix A: Figures and Tables

Appendix B: Well Logs

## **Table of Figures**

---

Table 1. Removed AST Details

Table 2. Soil Analytical Results (mg.kg)

Table A1. Wells Within A One-Mile Radius

Figure 1. Vicinity Map

Figure 2. Site Map

Figure 3. Zoning Map

Figure 4. Removed ASTs and Soil Bore Locations

Figure 5. Site Screening and Utility Corridors

Figure 6. Receptor Map

Figure 7. US Fish and Wildlife Services Wetlands Map

Figure 8. Proposed Soil Boring Locations

## Statement of Familiarity

I, the undersigned, am personally familiar with the information submitted in this report and the attached documents and attest that it is true and complete to the best of my knowledge.



Jessica L. Atkins, PE  
Atkins Engineering Associates, Inc.  
Subcontractor for Sierra Environmental, Inc.



Date

## **1. Introduction**

---

Sierra Environmental, Inc. (SEI) is pleased to submit this Minimum Site Assessment (MSA): 14-Day Report on behalf of Honstein Oil and Distributing, LLC (Honstein Oil) for the Anderson Bulk Plant (site) located at 101 Anderson Avenue SE in Albuquerque, New Mexico. This MSA 14 Day Report includes the requirements as outlined in the New Mexico Administrative Code (NMAC) Title 20.5.119.

### **1.1. Site History**

The site is located at 101 Anderson Avenue SE on the west side of Commercial Street SE between Anderson and Thaxton Avenues SE in Albuquerque, New Mexico.

The following is a summary of events at the site to date:

- March 2018 and prior, Honstein operated aboveground storage tanks (ASTs) were removed from the site.
- March 2018, soil samples collected at eight (8) locations as part of tank closure.
- Analytical results revealed total petroleum hydrocarbon concentrations of 2,355 mg/kg for combined diesel range organics (DRO) and gasoline range organics (GRO) in soil boring number 8.
- The NMED-PSTB initial incident report dated December 12, 2018 confirms a release of unknown volume occurred in the area of soil boring SS #8 due to possible spill or overfill.
- On February 4, 2019, the NMED-PST notified Honstein Oil and Distributing, LLC of the confirmed release.
- The site is currently under minimum site assessment.

### **1.2. Scope of Work**

On June 14, 2019, SEI submitted a workplan for minimum site assessment activities consisting of a 14-Day Report as outlined in NMAC 20.5.119.1903. The workplan was approved on August 6, 2019 under workplan identification number 186241. An extension of time was approved on November 11, 2019. This is the only deliverable under the current work plan with a deliverable ID of 186241-1.

### **1.3. Deviations from the Approved Work Plan**

There were no deviations from the approved work plan.

## **2. Site Vicinity and General Characteristics**

---

### **2.1. General Site Settings**

The Anderson Bulk Plant is south of Interstate 40, west of Interstate 25 and east of the Rio Grande River in Albuquerque, New Mexico, see Figure 1. The site address is 101 Anderson Avenue SE located on the west side of Commercial Street SE between Anderson and Thaxton Avenues SE; it is bound to the west by railroad tracks, see Figure 2.

The City of Albuquerque zoning map shows the property zoned as nonresidential-commercial (NR-C). The properties west of the site are zoned non-residential- general manufacturing (NR-GM); railroad tracks bound the property to the west. The properties located north, south and east are primarily zoned residential R-1 with a few mixed use – transitional (MX-T) properties located within a 1,000-foot radius, see Figure 3.

### **2.2. Surrounding Properties Use**

The properties west of the site are zoned non-residential-general manufacturing (NR-GM); railroad tracks bound the property to the west. The properties located north, south and east are primarily zoned residential R-1 with a few mixed use – transitional (MX-T) properties located within a 1,000-foot radius, see Figure 3.

The nearest residence is located directly east of the site across Commercial Street, SE. Residences are located to the northeast, east and southeast of the site. Non-residential properties within an approximate 1,000-foot radius of the site include a community dental center to the east-southeast, an elementary school located directly east, a community center located northeast of the site, and City of Albuquerque ballpark located west-southwest of the site. West of the site is a railroad and associated warehouses.

## **3. Site History**

---

### **3.1. Ownership History**

Searches of Bernalillo County Assessor Records show the site as being owned by Zrite, Inc. from 2009 to present; ownership prior to 2009 was not readily available. According to Honstein Oil, they leased and operated a bulk plant at the site from approximately 2010 to 2018. Prior to 2010, Ever-Ready Oil Company leased the property and operated a bulk facility. The NMED-PSTB shows record of a no further action at this site issued to the Ever-Ready Oil Company (Facility ID: 27153) on July 24, 2007 for release number 4094.

### 3.2. Site Tank and Investigation History

The NMED-PSTB lists the site as having five (5) underground storage tanks (USTs) temporarily out of service, two (2) removed USTs, and twenty-eight (28) removed ASTs. Honstein Oil did not install the five (5) USTs and believes they were installed in or prior to 1960. According to Honstein Oil, the USTs were emptied, and the power was disconnected to the USTs prior to their vacating the site in 2018. SEI has no additional details regarding the USTs.

In 2018, at the termination of their lease with Zrite, Inc., all Honstein Oil owned and operated ASTs were removed from the site. The known details of the tanks that have been removed from the site are presented in the Table 1 below. Not all the ASTs located on the site were used by Honstein Oil during their occupancy and the tank contents are listed as empty; the previous content listed for those tanks are what was reported to and reported by Honstein Oil. No additional data regarding the ASTs was available.

**Table 1. Removed AST Details**

<b>Tank ID</b>	<b>Installation Date</b>	<b>Capacity (Gallons)</b>	<b>Contents</b>
35672	Unknown	2,005	Motor Oil
35674	Unknown	17,820	Motor Oil
37808	Unknown	2,880	Motor Oil
35676	Unknown	1,966	Motor Oil
35679	Unknown	9,976	Motor Oil
35681	Unknown	11,750 (Split)	Unknown
35688	Unknown	10,151	Empty (Previous Racing Fuel)
37807	Unknown	11,922	Clear Diesel
35685	Unknown	10,000	Empty (Previous Solvent)
35686	Unknown	7,895	Empty (Previous Unknown)
35684	Unknown	9,941	Clear Diesel
35683	Unknown	10,310	Dyed Diesel

On March 8, 2018 Sierra's subcontractor Atkins Engineering Associates, Inc (AEA) conducted soil sampling associated with the removal of the afore-listed AST and associated piping. Soil samples were collected from eight (8) locations at a depth of four (4) feet below land surface. SEI submitted a letter report to the New Mexico Environment Department – Petroleum Storage Tank Bureau (NMED-PSTB) on May 10, 2018 detailing the event. Analytical results from the sampling event are summarized in the Table 2 below. See Figure 4 for layout of the removed tanks and soil bore locations.

**Table 2. Soil Analytical Results (mg/kg)**

Boring ID	DRO	GRO	MRO	Benzene	Toluene	Ethyl Benzene	Total Xylenes	MTBE
SS #1 @ 4' BGS	<5.5	<9.5	<47	<0.027	<0.055	<0.055	<0.11	<0.11
SS #2 @ 4' BGS	<5.6	13	<49	<0.028	<0.056	<0.056	<0.11	<0.11
SS #3 @ 4' BGS	<5.6	<9.7	<49	<0.028	<0.056	<0.056	<0.11	<0.11
SS #4 @ 4' BGS	<6.0	<9.2	<46	<0.030	<0.060	<0.060	<0.12	<0.12
SS #5 @ 4' BGS	<5.2	<9.9	<50	<0.026	<0.052	<0.052	<0.10	<0.10
SS #6 @ 4' BGS	<5.1	<9.3	<46	<0.026	<0.051	<0.051	<0.10	<0.10
SS #7 @ 4' BGS	<5.5	39	<46	<0.027	<0.055	<0.055	<0.11	<0.11
SS #8 @ 4' BGS	55	2,300	<480	<0.18	<0.36	<0.36	<0.72	<0.72

**Note:** Detections indicated in red.

On February 4, 2019, the NMED-PST notified Honstein Oil of a confirmed release of an unknown volume at the location of soil boring SS #8. The cause of the release is unknown but is likely from tank overfill.

## 4. Site Reconnaissance

### 4.1. Current Use of the Property

The subject property consists of four (4) smaller parcels that total approximately 2.3 acres. The Bernalillo County Assessor lists the four (4) parcels as being owned by Zrite, Inc. The City of Albuquerque zoning map shows the property zoned as nonresidential-commercial (NR-C). The site currently appears to be a truck/automobile repair garage.



#### **4.2. Description of Structures, Roads, Other Improvements on the Site**

There are multiple single-story buildings/warehouses on site, which according to Bernalillo Assessor records total approximately 11,374 square feet. All structures are listed as being constructed in 1960 or prior with the earliest listed date as 1916. The structures are centrally located along the north, east and western edges of the site. Asphalt parking and driveway separate the structures. The remaining central portion of the property consist of gravel and soil. The parcel extending south of the site has no structures and consists of gravel and some vegetation. Access to the site it from Commercial Street, SE.

On November 6, 2019, SEI personnel conducted a site visit. Various five-gallon drums and scrap metal debris were noted on the site. The interior use appeared consistent with a repair garage. Several fifty-five (55) gallon drums were noted in the shop warehouse and appeared to contain waste oil. No ASTs were noted on the site.

Overhead power lines are located along the western edge of the property. High Mesa private utility locate company was on site during the field visit and marked underground utility locations. The marked locations were surveyed and are shown on Figure 5. The depth, construction and composition of the utilities is not known. No utilities directly cross the area of interest around soil boring SS #8. SEI does not believe utilities will be affected by the confirmed release.

#### **4.3. Vapor Intrusion**

During the site visit on November 6, 2019, SEI personnel walked the site with a previously calibrated photo-ionizing detector (PID) and multi-gas detector. Field staff reported all readings were either non-detect or within normal limits. Interior readings were recorded for the main two (2) occupied structures on site. The locations and field values are shown on Figure 5. The highest PID reading was reported at 0.1 ppm-v; all multi-gas readings were within normal limits.

### **5. Receptor Study**

---

#### **5.1. Regional Hydrology**

The site is located within the Rio Grande aquifer system which is the principal aquifer in a 70,000-square-mile area of southern Colorado, central New Mexico, and western Texas. The aquifer system consists of a network of hydraulically interconnected aquifers in basin-fill deposits located along the Rio Grande Valley and nearby valleys. The aquifer system corresponds to the eastern part of the Southwest alluvial basins aquifer system, which is the largest aquifer in Western North America. The gradient within the aquifer is generally to the east regionally.

## **5.2. Regional Surface Water**

The Rio Grande River is located 0.44 miles to the west, see Figure 6. The US Department of Fish and Wildlife wetlands mapping in the vicinity of the site is shown on Figure 7. SEI does not believe surface waters or wetlands have been affected by the confirmed release.

## **5.3. Site Hydrology**

The hydrologic conditions that exist at the site correspond to the regional characteristics. Shallow groundwater is present beneath the site. Depth to water is listed as approximately twenty-five (25) feet below land surface at this site in correspondence from the NMED-PSTB with the Every-Ready Oil Company dated July 24, 2007. The Initial Incident Report dated December 12, 2018 has the depth listed at approximately fifty-one (51) to sixty (60) feet below land surface with a groundwater flow direction to the south. Surrounding data suggests the water is more likely at the shallower depth range with a flow direction to the south-southeast.

## **5.4. Well Receptor Study**

A search of the New Mexico Office of the State Engineer Water Rights Reporting System (NMWRRS) database (<http://nmwrrs.ose.state.nm.us/nmwrrs/index.html>) and a review of New Mexico Office of the State Engineer (NMOSE) paper well logs was performed to determine the number of private supply wells within a 1,000-foot buffer and public supply wells within a one-mile buffer of the site. The database will only list wells that have been recorded with the OSE, permitted, and entered into the system as of the date of the search. Any well drilled and/or entered in to the system after that date will not be reported. The NMWRRS has a disclaimer that the basin has not been fully abstracted. SEI believes the database to be a helpful tool; however, it should not be relied on for either completeness or accuracy.

On December 3, 2019, points of diversion (PODs, wells) were extracted within a one-mile radius of the subject site from the NMWRRS. The baseline extraction yielded 215 POD entries. This value was refined by removing PODs listed with uses suggesting non-consumption, i.e. geothermal wells, exploratory well, and monitor wells within a 1,000-foot radius, and omitting all but public supply wells within a one-mile radius. The extracted total of PODs was reduced to nine (9) possible wells within a 1,000-foot buffer and one (1) public municipal well within a one-mile buffer of the subject site.

SEI reviewed well logs for the NMWRRS database extracted PODs to determine the details of well completion. When available, these values were added to the tabulated extracted wells. The extracted wells and available completion information is shown in Table A.1. Available well logs are attached.

The well locations were plotted on a USGS topographic map, see Figure 6. Unless recently drilled, the NMWRRS lists well locations by a generic coordinate determined from the Public Land Survey System (PLSS). This causes wells identified within the same PLSS description to plot at the exact same coordinate, which may not represent the well's actual location or may represent multiple domestic permits obtained for a single well.

The nearest listed domestic well is listed as approximately 697 feet south of the site's property boundary. Eight (8) listings are in an identical plotted location approximately 958 feet north-northeast of the property's boundary. One (1) municipal well is listed within a one-mile buffer at approximately 2,765 feet south of the property's edge.

The potential receptor listing is only a superficial review. To truly determine which of the listed wells had been drilled, which of the listed wells are still intact, and which of the listed well are still in use, a field check would need to be performed.

## **6. Conclusions**

---

### **6.1. Summary**

Analytical results from AST removal at the site show a confirmed release in the vicinity of soil boring SS #8 at four (4) feet below land surface. The spill is of an unknown volume and for an unknown duration. No Honstein Oil operated ASTs remain on the site.

Groundwater has been listed as being present beneath the site in a range of twenty-five (25) to sixty (60) feet below land surface. Groundwater flow direction has been listed as to the south. SEI believes the water to be at the shallower end of the range with a flow direction so the south-southeast.

The Rio Grande is located approximately 0.44 miles to the west. The nearest residential well is listed at approximately 697 feet south of the property. The nearest municipal well is listed at approximately 2,765 feet south of the property. SEI does not believe these sources have been impacted by the release.

Interior and exterior field PID and multi-gas readings did not reveal any detections and were within normal limits. Utility corridors were located, and SEI does not believe they have been affected by the release.

### **6.2. Recommendations**

The soil sample confirming a release at the site was at a depth of four (4) feet below land surface. Since the amount and duration of the release is not known and the depth to groundwater is listed

with a broad range of twenty-five (25) to sixty (60) feet below land surface, it is impossible to tell whether groundwater beneath the site has likely been impacted by the release. SEI recommends a limited minimum site assessment consisting of five (5) additional soil borings in the vicinity of boring SS #8 to a depth of twenty-five (25) feet. One (1) boring will be located at the approximate location of SS #8, and the remaining four (4) will be located approximately ten (10) feet north-south and east-west, see Figure 8. If groundwater is encountered, a grab sample can be obtained for laboratory analysis. This additional data will be used to determine the extent of the release and the next course of action to address the release.

## **Appendix A: Figures and Tables**



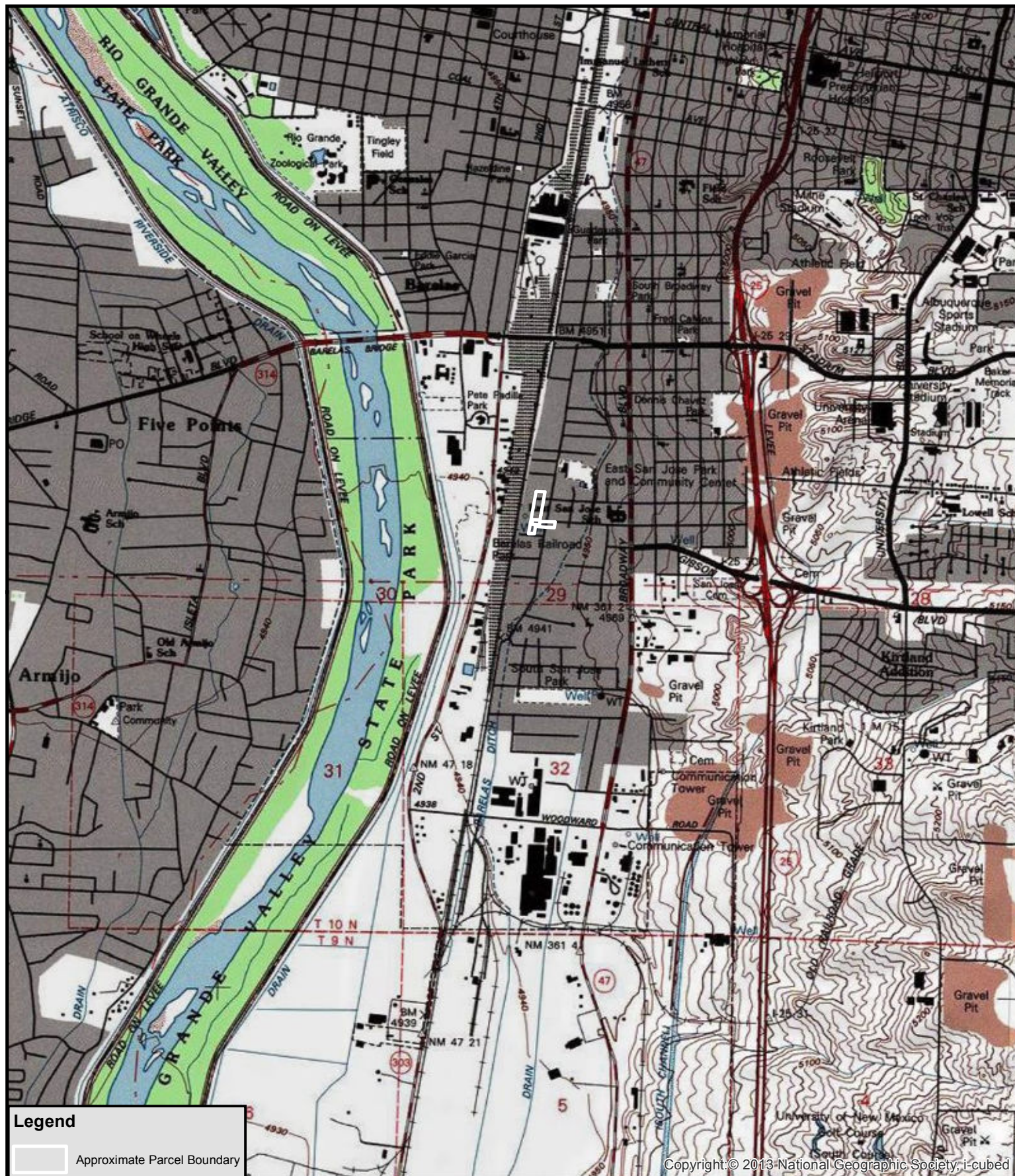


Figure 1: Vicinity Map

14 Day Report  
 Honstein Anderson Bulk Plant  
 101 Anderson Avenue SE, Albuquerque, NM 88201

December 2019

SIERRA ENVIRONMENTAL, INC.  
 3808 North Garden Avenue  
 Roswell, New Mexico 80201  
 Phone: (575) 622-7700 Fax: (575) 622-4770



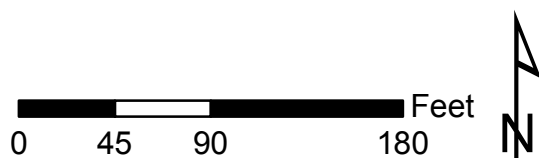


**Figure 2: Site Map**

**14 Day Report**  
**Honstein Anderson Bulk Plant**  
**101 Anderson Avenue SE, Albuquerque, NM 88201**

**December 2019**

**SIERRA ENVIRONMENTAL, INC.**  
 3808 North Garden Avenue  
 Roswell, New Mexico 88201  
 Phone: (575) 622-7700 Fax: (575) 622-4770





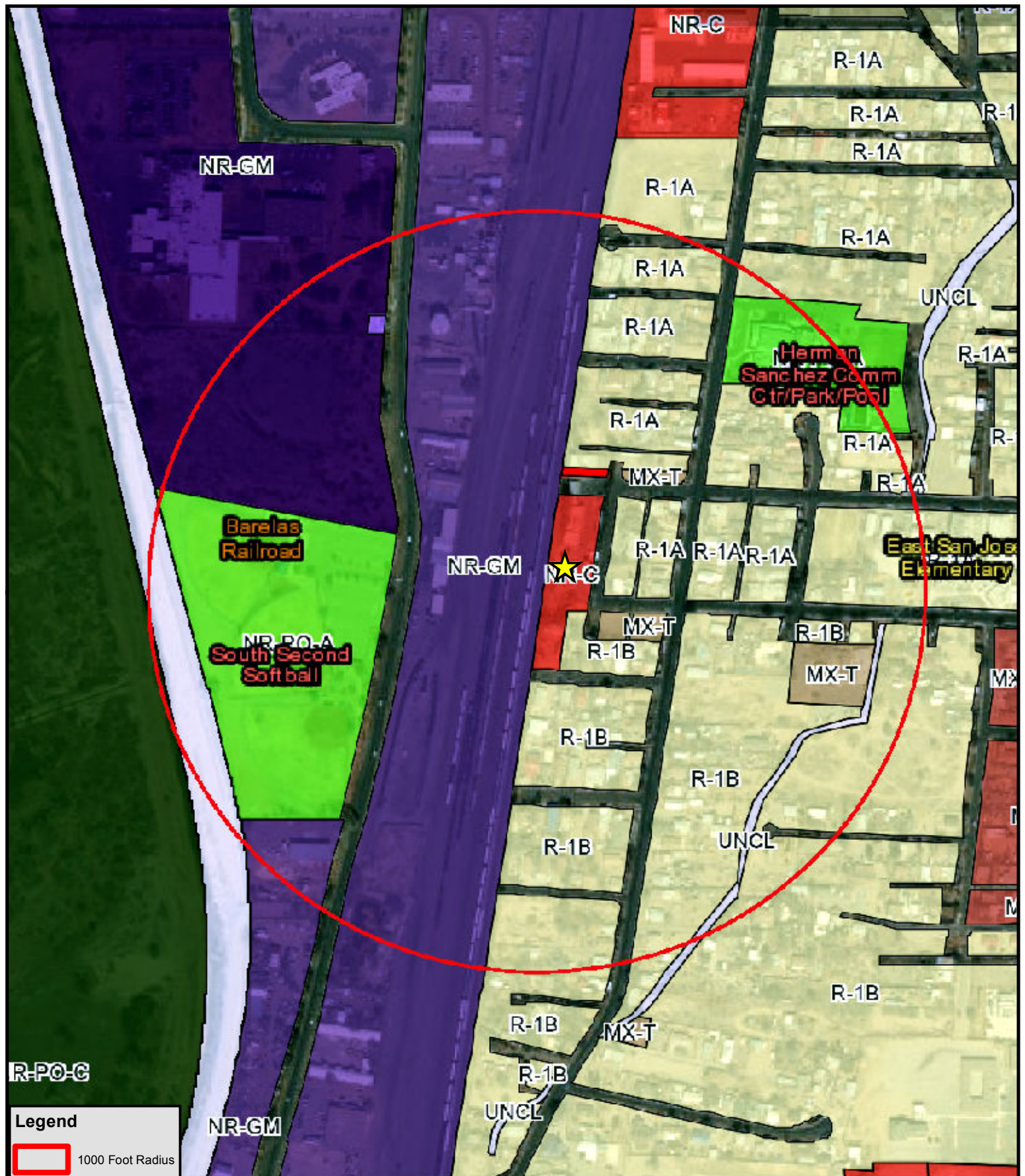


Figure 3: Zoning Map

14 Day Report  
 Honstein Anderson Bulk Plant  
 101 Anderson Avenue SE, Albuquerque, NM 88201

December 2019

SIERRA ENVIRONMENTAL, INC.  
 3808 North Garden Avenue  
 Roswell, New Mexico 88201  
 Phone: (575) 622-7700 Fax: (575) 622-4770





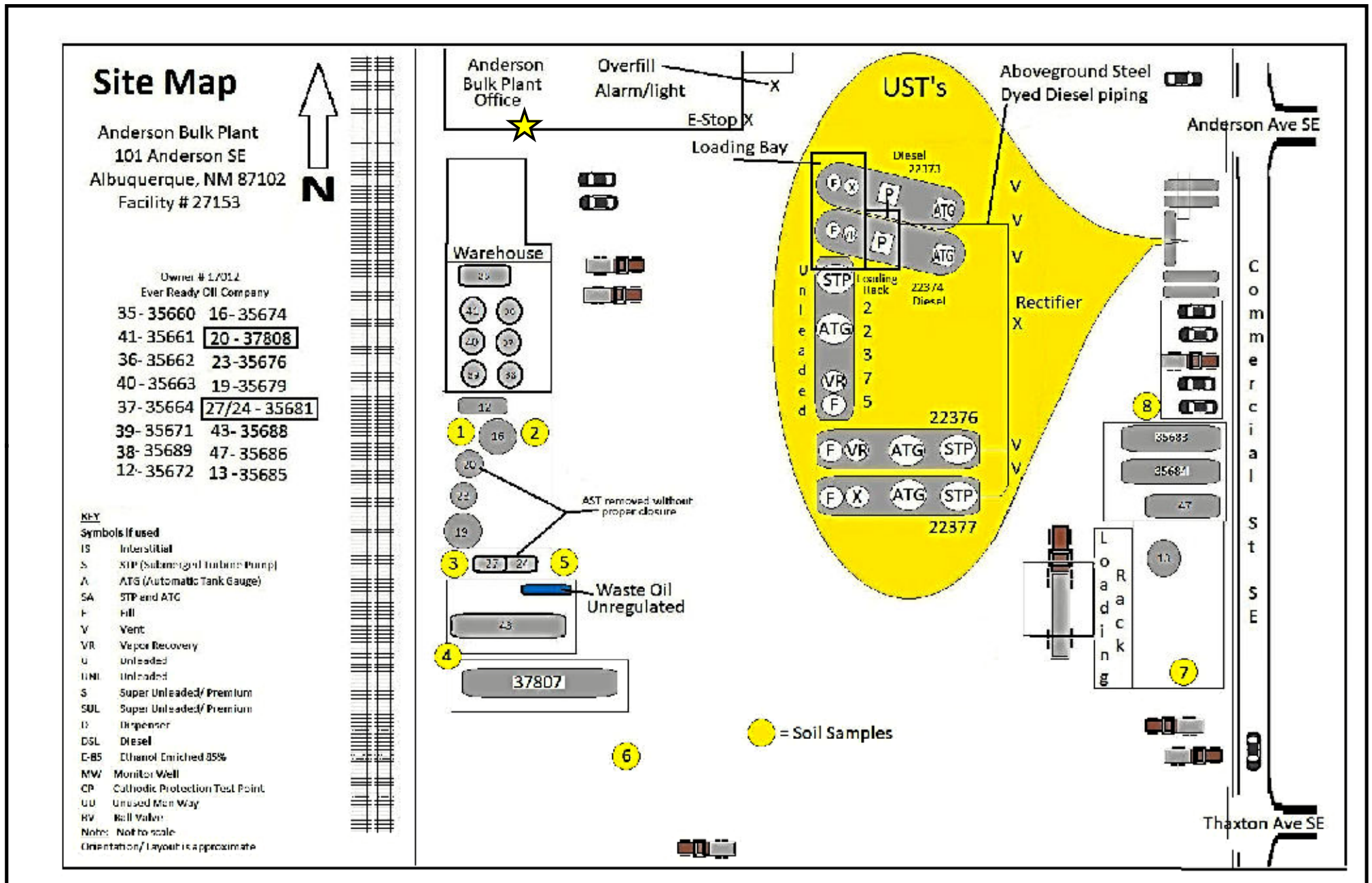


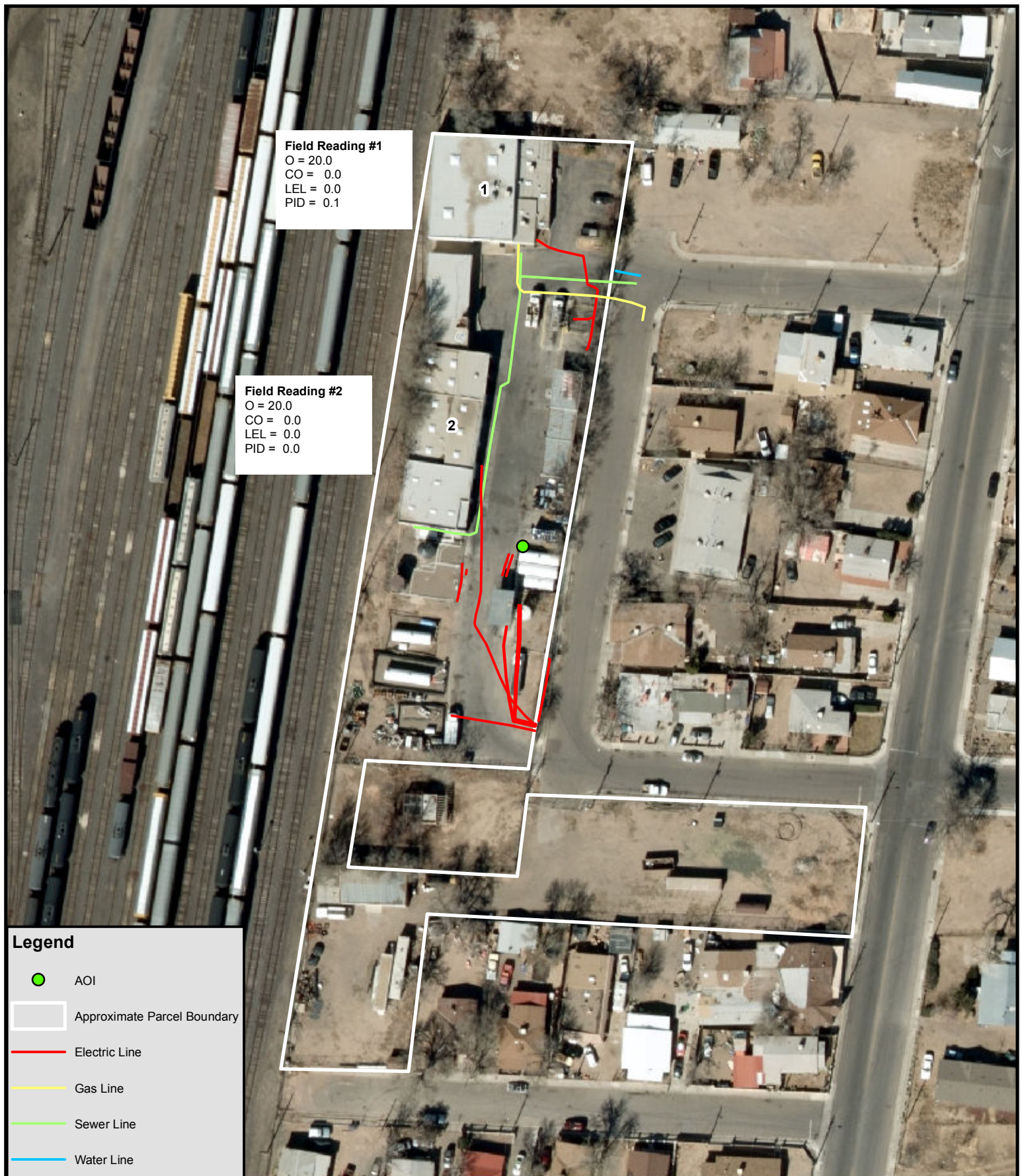
Figure 4: Removed ASTs and Soil Bore Location Map

14 Day Report  
Honstein Anderson Bulk Plant  
101 Anderson Avenue SE, Albuquerque, NM 88201

December 2019

SIERRA ENVIRONMENTAL, INC.  
3808 North Garden Avenue  
Roswell, New Mexico 85001  
Phone: (575) 622-7700 Fax: (575) 622-4770



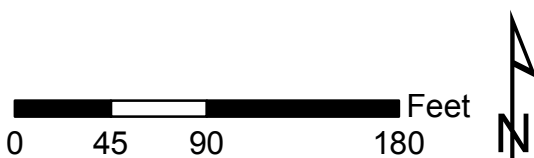


**Figure 5: Site Screening and Utility Corridors**

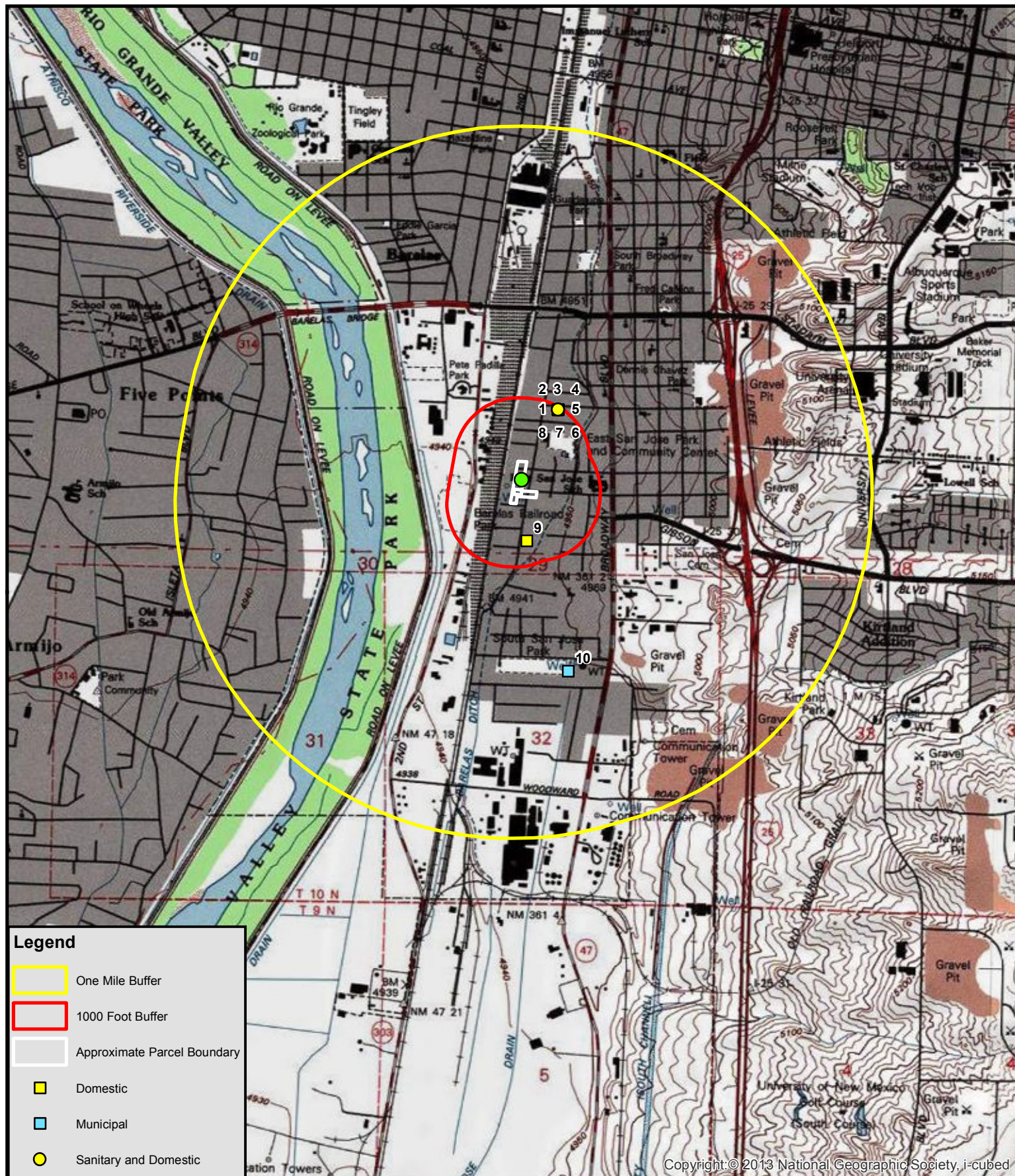
**14 Day Report**  
**Honstein Anderson Bulk Plant**  
**101 Anderson Avenue SE, Albuquerque, NM 88201**

**December 2019**

**SIERRA ENVIRONMENTAL, INC.**  
 3808 North Garden Avenue  
 Roswell, New Mexico 88201  
 Phone: (575) 622-7700 Fax: (575) 622-4770





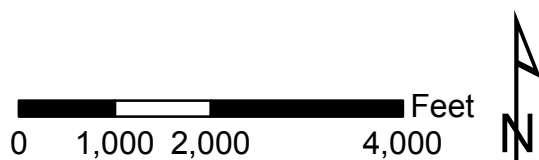


**Figure 6: Receptor Map**

**14 Day Report**  
**Honstein Anderson Bulk Plant**  
**101 Anderson Avenue SE, Albuquerque, NM 88201**

**December 2019**

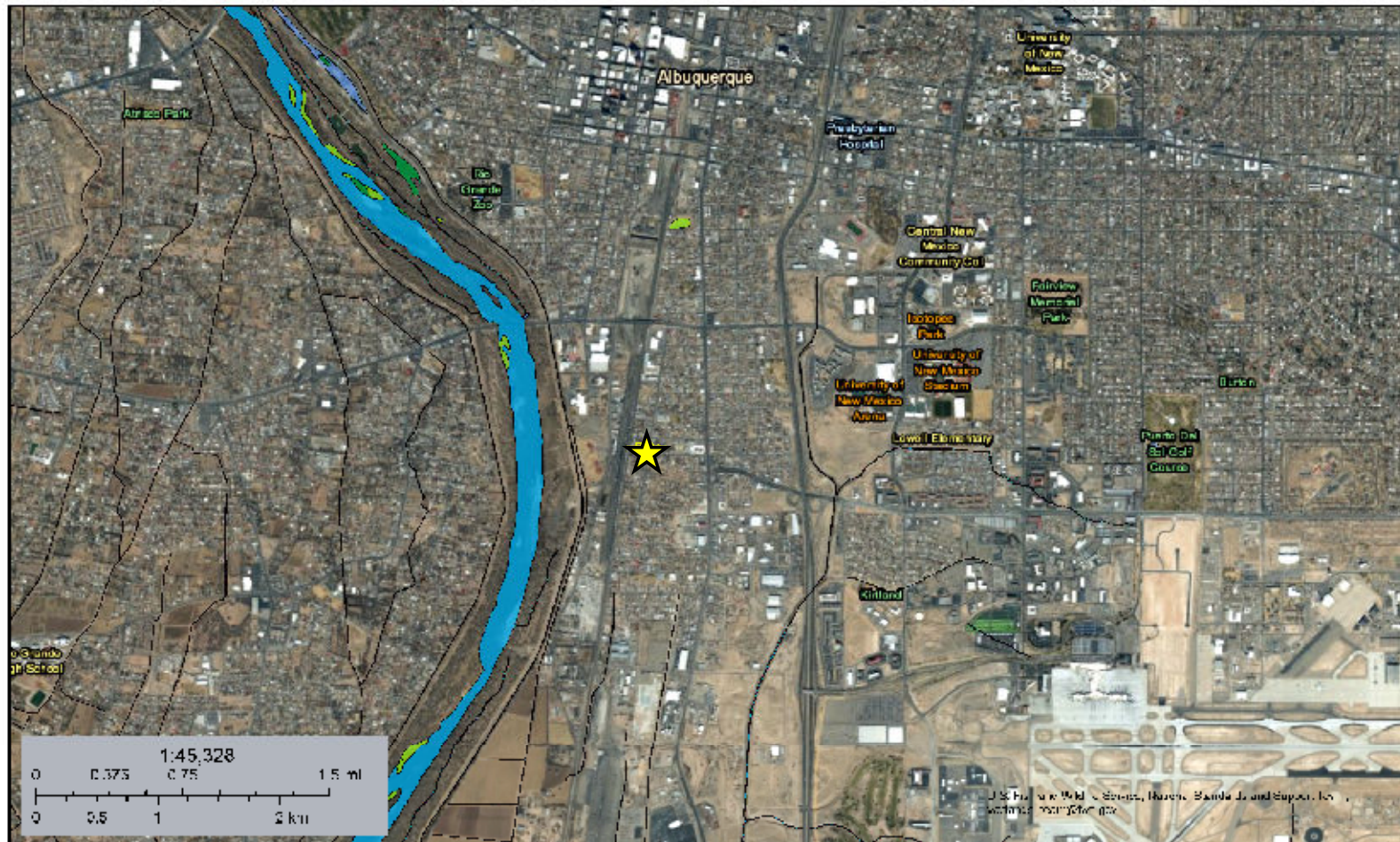
**SIERRA ENVIRONMENTAL, INC.**  
 3808 North Garden Avenue  
 Roswell, New Mexico 80201  
 Phone: (575) 622-7700 Fax: (575) 622-4770







U.S. Fish and Wildlife Service  
National Wetlands Inventory



December 4, 2019

**Wetlands**

- |                                |                                   |          |
|--------------------------------|-----------------------------------|----------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland       | Lake     |
| Estuarine and Marine Wetland   | Freshwater Forested/Shrub Wetland | Other    |
|                                | Freshwater Pond                   | Riverine |

This map is for general reference only. The U.S. Fish and Wildlife Service is not responsible for the accuracy or completeness of the base data shown on this map. All wetlands-related data should be used in accordance with the layer metadata found on the Wetlands Mapper website.

Wetlands shown as of 12/01/2019  
This page was produced by the FWS Mapper

Figure 7: US Fish and Wildlife Services Wetlands Map

14 Day Report  
Honstein Anderson Bulk Plant  
101 Anderson Avenue SE, Albuquerque, NM 88201

December 2019

SIERRA ENVIRONMENTAL, INC.  
3808 North Garden Avenue  
Roswell, New Mexico 85001  
Phone: (575) 622-7700 Fax: (575) 622-4770







**Figure 8: Proposed Soil Boring Locations**

**14 Day Report**  
**Honstein Anderson Bulk Plant**  
**101 Anderson Avenue SE, Albuquerque, NM 88201**

**December 2019**

**SIERRA ENVIRONMENTAL, INC.**  
3808 North Garden Avenue  
Roswell, New Mexico 88201  
Phone: (575) 622-7700 Fax: (575) 622-4770

**Table A1. Wells Within A One-Mile Radius**  
Anderson Bulk Plant, 101 Anderson Avenue, SE, Albuquerque, New Mexico

Map ID	WR	Diversion	POD Number	Use	OSE Status	Owner	Distance	Direction	x UTM (m)	y UTM (m)	Start Date	Finish Date	Depth Well (ft)	Depth Water (ft)	Screen Interval (ft)	Log
1	RG 15311	3	RG 15311	Domestic	Permit-Active	SOUTHSIDE PLUMBING & HEATING	1075	NNE	349655	3881559	10/31/1967	10/31/1967	103	10	Unknown	Y
2	RG 16481	3	RG 16481 POD1	Domestic	Permit-Active	H JAMES	1075	NNE	349655	3881559	3/30/1969	3/30/1969	52	10	Unknown	Y
3	RG 18182	3	RG 18182	Domestic	Permit-Active	MARY C DAVIS	1075	NNE	349655	3881559	11/14/1970	11/4/1970	--	--	--	N
4	RG 07537	3	RG 07537	Sanitary and Domestic	Permit-Active	BACA'S BEST MEXICAN FOOD	1075	NNE	349655	3881559	7/6/1962	7/9/1962	42	8	Unknown	Y
5	RG 14511	3	RG 14511	Sanitary and Domestic	Permit-Active	LUDWIG HOFINGER	1075	NNE	349655	3881559	12/14/1966	12/14/1966	38	7	Unknown	Y
6	RG 14511	3	RG 14511 POD2	Sanitary and Domestic	Permit-Unknown	LUDWIG HOFINGER	1075	NNE	349655	3881559	12/31/1969	12/31/1969	42	8	Unknown	Y
7	RG 21539	3	RG 21539 POD1	Sanitary and Domestic	Permit-Active	PETER G BROWN	1075	NNE	349655	3881559	7/27/1972	4/6/1973	45	14	36-43	Y
8	RG 31906	3	RG 31906 POD1	Sanitary and Domestic	Permit-Unknown	MICHAEL CHAVEZ	1075	NNE	349655	3881559	12/31/1969	12/31/1969	--	--	--	N
9	RG 04644	3	RG 04644 POD1	Domestic	Permit-Unknown	BALTAZAR LEMOS	1146	S	349505	3880928	3/15/1960	5/20/1960	205	169	Unknown	N
10	RG00960	132011.6	RG 03203	Municipal	Permit-Unknown	CITY OF ALBUQUERQUE	3274	SSE	349705	3880303	12/31/1969	12/31/1969	--	--	--	N

## **Appendix B: Well Logs**

## WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

## Section 1


(Plat of .640 acres)

(A) Owner of well BACA'S MEXICAN FOODS  
 Street and Number 1303 - 4TH SW  
 City ALBUQUERQUE State N.M.  
 Well was drilled under Permit No. RG 7537 and is located in the  
 $\frac{1}{4}$   $\frac{1}{4}$   $\frac{1}{4}$  of Section \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_  
 (B) Drilling Contractor RODGERS + Co. License No. 225  
 Street and Number 2615 ISLETA, SW  
 City ALBUQUERQUE State N.M.  
 Drilling was commenced 7-7 1962  
 Drilling was completed 7-10 1962

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 103  
 State whether well is shallow or artesian SHALLOW Depth to water upon completion 10

## Section 2

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

1963 JUN 19 AM 8:44  
 STATE ENGINEER OFFICE  
 SANTA FE, N.M.

## Section 3

## RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>4 1/2 OD</u>								

## Section 4

## RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

## Section 5

## PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_  
 Street and Number \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_



## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

*Lyte Hammeley*  
Well Driller

## WELL RECORD

418892

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

## Section 1


(Plat of 640 acres)

(A) Owner of well Ludwig Hofinger  
 Street and Number 1332 Bridge SW  
 City Albuquerque State NM  
 Well was drilled under Permit No. RC-14511 and is located in the  
1/4 1/4 1/4 of Section 1 Twp. 1 Rge. 1  
 (B) Drilling Contractor Ross Pump Co License No.   
 Street and Number 1326 Bridge SW  
 City Albuquerque State NM  
 Drilling was commenced 12-15 1966  
 Drilling was completed 12-15 1966

Elevation at top of casing in feet above sea level 3'-51' Total depth of well 3'-51'  
 State whether well is shallow or artesian Shallow Driven Depth to water upon completion 10'

## Section 2

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

## Section 3

## RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To

## Section 4

## RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

## Section 5

## PLUGGING RECORD

Name of Plugging Contractor  License No.

## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Kays Pump Co  
Well Driller

## WELL RECORD

420011

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

## Section 1


(Plat of 640 acres)

(A) Owner of well Southside Plumbing and Heating  
 Street and Number 4515 Isleta Blvd SW  
 City Albuquerque State New Mexico  
 Well was drilled under Permit No. 15311 and is located in the  
1/4 1/4 1/4 of Section          Twp.          Rge.           
 (B) Drilling Contractor Rodgers and Co., Inc. License No. 225  
 Street and Number           
 City          State           
 Drilling was commenced 11/1/67 19           
 Drilling was completed 11/1/67 19         

Elevation at top of casing in feet above sea level          Total depth of well 42'  
 State whether well is shallow or artesian shallow Depth to water upon completion 8'

## Section 2

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

## Section 3

## RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
1 1/4"	Driven							

## Section 4

## RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

## Section 5

## PLUGGING RECORD

Name of Plugging Contractor          License No.         

STATE ENGINEER OFFICE  
 SANTA FE, N.M.  
 1968 MAR 18 AM 9:57

## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

## Well Driller

## WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

## Section 1

9


(Plat of 640 acres)

(A) Owner of well H. JamesStreet and Number 821 La Font SWCity Albuquerque State N. M.Well was drilled under Permit No. 16481 and is located in the  
1/4 1/4 1/4 of Section        Twp.        Rge.       (B) Drilling Contractor RODGERS & CO. INC. License No. 225Street and Number 2615 Isleta SWCity Albuquerque State N. M.Drilling was commenced 3/31 19 69Drilling was completed 3/31 19 69Elevation at top of casing in feet above sea level        Total depth of well 38'State whether well is shallow or artesian Shallow Depth to water upon completion 7'

## Section 2

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

## Section 3

## RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
2	Driven							

## Section 4

## RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

## Section 5

## PLUGGING RECORD

Name of Plugging Contractor       License No.       

TRW 405624

JP

## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

[illegible]

## Well Driller

## WELL RECORD

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

## Section 1


(Plat of 640 acres)

(A) Owner of well Mary C. Davis  
 Street and Number 1121 Bridge Ave  
 City Albany State N.Y.  
 Well was drilled under Permit No. 18182 and is located in the  
1/4 of Section 1 Twp. 41 Rge. 1  
 (B) Drilling Contractor Rodgers & Son License No. 125  
 Street and Number \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_  
 Drilling was commenced 11/5/70 19\_\_\_\_  
 Drilling was completed 11/5/70 19\_\_\_\_

Elevation at top of casing in feet above sea level \_\_\_\_\_ Total depth of well 42'  
 State whether well is shallow or artesian Shallow Depth to water upon completion 8'

## Section 2

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1				
2				
3				
4				
5				

## Section 3

## RECORD OF CASING

Dia in.	Pounds ft.	Threads in	Depth		Feet	Type Shoe	Perforations	
			Top	Bottom			From	To
<u>1 1/4"</u>	<u>None</u>							

## Section 4

## RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				

## Section 5

## PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_



# LOG OF WELL

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Lyta Upso  
Well Driller

**INSTRUCTIONS:** This form should be executed in triplicate, preferably typewritten, and submitted to the nearest district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1A and Section 5 need be completed.

(A) Owner of well Peter G. Brown  
Street and Number 3905 Central Ave. N.E.  
City Albuquerque State N.M.  
Well was drilled under Permit No. RG-21539 and is located in the  
1/4 1/4 1/4 of Section          Twp.          Rge.           
(B) Drilling Contractor A A Drilling Co. License No. WD222  
Street and Number 2030 Tapia Blvd. S.W..  
City Albuquerque State N.M.  
Drilling was commenced 7/28 1972  
Drilling was completed 4/7 1973

Elevation at top of casing in feet above sea level 0 Total depth of well 45 ft.  
State whether well is shallow or artesian shallow Depth to water upon completion 13'6"

## PRINCIPAL WATER-BEARING STRATA

No.	Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation
	From	To		
1	30	45	15	coarse gray gravel
2				
3				
4				
5				

## RECORD OF CASING

[illegible]

### RECORD OF MUDDING AND CEMENTING

Depth in Feet		Diameter Hole in in.	Tons Clay	No. Sacks of Cement	Methods Used
From	To				
				NONE	

## PLUGGING RECORD

Name of Plugging Contractor \_\_\_\_\_ License No. \_\_\_\_\_

## Section 6

## LOG OF WELL

[illegible]

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described well.

Ma Robison  
Well Driller