

**PHASE I  
ENVIRONMENTAL SITE ASSESSMENT**

**80 ACRE BUCHANAN PROPERTY  
CR N 300  
Crescent, OK 73028**



**Prepared For:**

**DOLESE**

**DOLESE BROS. CO.  
20 NW 13th Street  
Oklahoma City, OK, 73135**

**Prepared By:**



**PO Box 1292  
Norman, OK 73070**

**DECEMBER 23, 2019**

## TABLE OF CONTENTS

<b>1.0</b>	<b>GENERAL INFORMATION.....</b>	<b>1</b>
<b>2.0</b>	<b>EXECUTIVE SUMMARY .....</b>	<b>2</b>
2.1	SUBJECT PROPERTY DESCRIPTION .....	2
2.2	DATA GAPS .....	2
2.3	FINDINGS .....	2
2.3.1	Records Review.....	2
2.3.2	Site Reconnaissance .....	2
2.3.3	Interviews .....	3
2.3.4	Additional Services .....	3
2.4	OPINIONS & RECOMMENDATIONS .....	3
2.4.1	Recognized Environmental Conditions (RECs) .....	3
2.4.2	Controlled Recognized Environment Conditions (CRECs) .....	3
2.4.3	Historical Recognized Environmental Conditions (HRECs).....	3
2.4.4	Environmental Issues, Concerns, and De Minimis Conditions.....	3
2.4.5	Business Environmental Risks .....	3
2.5	CONCLUSIONS.....	4
<b>3.0</b>	<b>INTRODUCTION .....</b>	<b>6</b>
3.1	PURPOSE .....	6
3.2	DETAILED SCOPE OF SERVICES.....	6
3.2.1	Records Review.....	6
3.2.2	Site Reconnaissance .....	6
3.2.3	Interviews .....	7
3.2.4	Reporting .....	7
3.3	SIGNIFICANT ASSUMPTIONS.....	7
3.4	LIMITATIONS AND EXPECTATIONS .....	7
3.5	DEVIATIONS.....	8
3.6	SPECIAL TERMS AND CONDITIONS.....	8
3.7	USER RELIANCE.....	8
<b>4.0</b>	<b>SITE DESCRIPTION .....</b>	<b>9</b>
4.1	LOCATION AND LEGAL DESCRIPTION .....	9
4.2	SITE AND VICINITY CHARACTERISTICS .....	9
4.3	CURRENT USE OF THE PROPERTY .....	9
4.4	DESCRIPTION OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS .....	9
4.5	CURRENT USES OF ADJOINING PROPERTY .....	9
<b>5.0</b>	<b>USER PROVIDED INFORMATION .....</b>	<b>10</b>
5.1	TITLE RECORDS .....	10
5.2	ENVIRONMENTAL LIENS OR ACTIVITY & USE LIMITATIONS.....	10
5.3	SPECIALIZED KNOWLEDGE/EXPERIENCE OF THE USER.....	10
5.4	VALUATION OF THE PROPERTY.....	10
5.5	COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION ABOUT THE PROPERTY.....	10
5.6	PRESENCE OR LIKELY PRESENCE OF CONTAMINATION.....	10
5.7	OWNER, PROPERTY MANAGER, OCCUPANT INFORMATION .....	10
5.8	REASON FOR PERFORMING THE PHASE I.....	10
5.9	OTHER INFORMATION .....	10
<b>6.0</b>	<b>RECORDS REVIEW.....</b>	<b>11</b>
6.1	STANDARD ENVIRONMENTAL RECORDS REVIEWS .....	11
6.1.1	Environmental Data Resources Database Review.....	11
6.1.2	Other Database/Records Review.....	14
	Voluntary Cleanup Program.....	14

6.2	PHYSICAL SETTING INFORMATION.....	14
6.2.1	<i>Topographic Information</i> .....	14
6.2.2	<i>Hydrologic Information</i> .....	15
	Surface Water.....	15
	Ground Water.....	15
6.2.3	<i>Geologic Information</i> .....	15
	Regional Geology.....	15
	Soils.....	15
	Oil and Gas Fields.....	16
6.3	HISTORICAL USE INFORMATION—SUBJECT PROPERTY.....	17
6.3.1	<i>Aerial Photographs</i> .....	17
6.3.2	<i>Historic Topographic Maps</i> .....	17
6.3.3	<i>Fire Insurance Maps</i> .....	18
6.3.4	<i>City Directories</i> .....	18
6.4	HISTORICAL USE INFORMATION—ADJOINING PROPERTIES.....	18
6.4.1	<i>Aerial Photographs</i> .....	18
6.4.2	<i>Historic Topographic Maps</i> .....	18
6.4.3	<i>Fire Insurance Maps</i> .....	18
6.4.4	<i>City Directories</i> .....	18
<b>7.0</b>	<b>SITE RECONNAISSANCE.....</b>	<b>19</b>
7.1	METHODOLOGY AND LIMITING CONDITIONS.....	19
7.2	GENERAL SITE SETTING.....	19
7.3	EXTERIOR OBSERVATIONS.....	19
7.3.1	<i>Site Visit Findings</i> .....	19
	Hazardous Substances.....	19
	Petroleum Products.....	19
	USTs.....	19
	ASTs.....	19
	Other Suspect Containers.....	19
	Equipment Likely to Contain PCBs.....	19
	Staining/Corrosion.....	20
	Discharge Features.....	20
	Pits, Ponds, And Lagoons.....	20
	Solid Waste Dumping/Landfills.....	20
	Stained Soil/Stressed Vegetation.....	20
	Wells.....	20
	Septic System.....	20
7.3.2	<i>Adjoining Property and General Vicinity</i> .....	20
7.4	INTERIOR OBSERVATIONS.....	20
<b>8.0</b>	<b>INTERVIEWS.....</b>	<b>21</b>
8.1	INTERVIEW WITH OWNER.....	21
8.2	INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS.....	21
8.3	INTERVIEWS WITH OTHERS.....	21
<b>9.0</b>	<b>FINDINGS.....</b>	<b>22</b>
9.1	RECORDS REVIEW.....	22
9.2	SITE RECONNAISSANCE.....	22
9.3	INTERVIEWS.....	22
<b>10.0</b>	<b>OPINIONS.....</b>	<b>23</b>
10.1	RECORDS REVIEW.....	23
10.2	SITE RECONNAISSANCE.....	23
10.3	INTERVIEWS.....	23
<b>11.0</b>	<b>CONCLUSIONS.....</b>	<b>24</b>

<b>12.0</b>	<b>DEVIATIONS.....</b>	<b>25</b>
<b>13.0</b>	<b>ADDITIONAL SERVICES .....</b>	<b>26</b>
<b>14.0</b>	<b>REFERENCES .....</b>	<b>27</b>
<b>15.0</b>	<b>SIGNATURE OF ENVIRONMENTAL PROFESSIONALS .....</b>	<b>28</b>
<b>16.0</b>	<b>QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS .....</b>	<b>29</b>
16.1	DAVID SPARKS .....	29
16.2	GEOFFREY A. CANTY, PH. D.....	29
<b>17.0</b>	<b>APPENDICES .....</b>	<b>30</b>
17.1	SITE/VICINITY MAPS .....	30
17.2	HISTORICAL RESEARCH DOCUMENTATION—AERIAL PHOTOS & TOPO MAPS .....	34
17.3	SITE PHOTOGRAPHS.....	47
17.4	REGULATORY RECORDS & SUPPORTING DOCUMENTATION .....	51
17.4.1	<i>EDR Study Report and Supporting Documents.....</i>	
17.4.2	<i>User Questionnaire .....</i>	
17.4.3	<i>OK Water Resources Board Records .....</i>	
17.4.4	<i>OK Corporation Commission Records.....</i>	



## 1.0 General Information

***Client Information:***

Dolese Bros. Co.  
20 NW 13<sup>th</sup> Street  
Oklahoma City, OK 73135

***Consultant Information***

CC Environmental, LLC  
PO Box 1292  
Norman, OK 73070

***Site Information:***

80 Acre Buchanan Property  
CR N 300  
Crescent, OK 73028

***Project No:***

2083

***Key Site Manager:***

Ms. Sharon Buchanan

***Report Date:***

December 13, 2019

## 2.0 Executive Summary

### 2.1 Subject Property Description

CC Environmental (CCE) performed a Phase I Environmental Site Assessment (ESA) in general accordance with ASTM 1527-13 and 40 CFR 312 (“All Appropriate Inquiry”) for a property (Property) situated within the NE¼ of Section 18, Township 16N, Range 4W I.M., Logan County (Lat: 35.865823 / Long: -97.661065). More specifically, it is located between County Roads NS-299 and NS-300, and south of EW-790. It is divided by the Cimarron River and consists of approximately 80 acres.

The Property is situated within an agricultural and residential area. Residential properties are located to the north of the Property in Twin Lakes development. Vacant land is located to the east, south and west of the Property.

The Phase I ESA is designed to provide the client with an assessment concerning recognized environmental conditions (limited to those issues identified in the report) as they exist at the Property. A recognized environmental condition (REC) is defined as follows (ASTM 1527-13):

*“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.”*

### 2.2 Data Gaps

During the course of conducting this assessment, the following data gap was identified:

- A title search was not available at the time writing

### 2.3 Findings

#### 2.3.1 Records Review

Several state and federal environmental databases were searched to determine the possible existence of RECs. Environmental Data Resources, Inc. (EDR) performed the various database searches for the property. Refer to Table 2-1 for a summary of the EDR findings. Also, other record searches were conducted and summarized below.

- According to the EDR Geocheck search (2019a), there are no sites within the area of study. (See Section 6 for more details.)
- According to the Oklahoma Corporation Commission (OCC) well database search, there is one (1) oil or gas well within the same quarter sections as the Property, and five (5) others in the general area.
- According to the OWRB database search, there are one (1) industrial well, one (1) irrigation well, and six (6) domestic wells located in the vicinity of the Property.
- According to the ODEQ Voluntary Cleanup Program website, no VCP sites are located on or near the Property. The nearest site was located over four (4) miles away.

#### 2.3.2 Site Reconnaissance

A representative of CCE (Mr. David Sparks) conducted the site reconnaissance on December 9, 2019. A set procedure for evaluating the parcels was put in place to foster a representative review and to minimize assessment bias. Several photographs were taken to document the conditions of the site and a sketch map was made to correlate the findings.

- The Property is currently an undeveloped parcel covered in grass and trees and bisected by the Cimarron River.

- There were thick areas of vegetation that hampered access to some parts of the Property.
- One oil well and an associated tank battery were observed on the Property. There were no overt signs of leakage around the well head or the tank battery. No obvious evidence of a reserve pit was observed in the area of the oil well.
- An abandoned box truck was observed on the Property.
- An old metal farm building was observed on site.

### **2.3.3 Interviews**

Interviews were conducted with parties having varying degrees of first-hand knowledge about the site. This included a representative of the owner, local governmental agencies, and other entities (when available).

- The interview with the Property Owner (Mrs. Sharon Buchanan) did not reveal any industrial activities. The Property had only been used for recreational purposes.
- The Logan County Emergency Management Director, Mr. David Ball was contacted by email on December 4, 2019 to inquire about any environmental incidents associated with the Property. Mr. Ball stated that he has no knowledge of any environmental incidents at the Property.

### **2.3.4 Additional Services**

No additional services were requested by the client.

## **2.4 Opinions & Recommendations**

### **2.4.1 Recognized Environmental Conditions (RECs)**

As defined by ASTM 1527-13, there were no RECs identified during this environmental site assessment.

### **2.4.2 Controlled Recognized Environment Conditions (CRECs)**

As defined by ASTM 1527-13, there were no CRECs identified on the Property during this environmental site assessment.

### **2.4.3 Historical Recognized Environmental Conditions (HRECs)**

As defined by ASTM 1527-13, there were no HRECs identified on the Property during this environmental site assessment.

### **2.4.4 Environmental Issues, Concerns, and De Minimis Conditions**

Some items identified during an environmental assessment may warrant further discussion or evaluation depending on the User's risk tolerance, but were not necessarily considered to be RECs. The User is strongly encouraged to consider these issues when making investment and development decisions because they may affect future land use and liability.

- The Property is located in a historical oil and gas exploration area. Abandoned oil wells, old gathering lines, and other pipelines may be present on or near the Property. Subsurface contamination and/or other issues may be encountered, but there were no overt indications of such.
- There is assumed to be old reserve pits associated with the active well on the Property. These can have contamination associated with them. However, there were no overt indications of stressed vegetation or pollution identified on the Property. Additional investigation may be warranted depending on the User's risk tolerance.

### **2.4.5 Business Environmental Risks**

*Business environmental risks* were not specifically defined in the scope of work for this assessment; consequently, no specific opinions were made as part of this report.

## 2.5 Conclusions<sup>1</sup>

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527 of the subject property (described in Section 4). Any exceptions to, or deletions from, this practice are described in Section 12 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property.

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<sup>1</sup> *The user is encouraged to review the entire document, but particularly Section 9.0 and 10.0, for a more detailed discussion of the environmental conditions associated with the subject property and the adjoining properties.*

Table 2-1: A listing of the government records searched, the search distance around the target property, and the results (EDR, 2019a):

Government Record Searched*	Search Distance (miles)	Result
NPL	1.0	No listed/identified sites
Proposed NPL	1.0	No listed/identified sites
Delisted NPL	1.0	No listed/identified sites
NPL Liens	TP	No listed/identified sites
SEM	0.5	No listed/identified sites
SEMS ARCHIVE	0.5	No listed/identified sites
LIENS 2	TP	No listed/identified sites
CORRACTS	1.0	No listed/identified sites
RCRA-TSDF	0.5	No listed/identified sites
RCRA-LQG	0.25	No listed/identified sites
RCRA-SQG	0.25	No listed/identified sites
RCRA-CESQG	0.25	No listed/identified sites
RCRA-NonGen	0.25	No listed/identified sites
US ENG CONTROLS	0.5	No listed/identified sites
US INST CONTROL	0.5	No listed/identified sites
ERNS	TP	No listed/identified sites
HMIRS	TP	No listed/identified sites
DOT OPS	TP	No listed/identified sites
US CDL	TP	No listed/identified sites
US BROWNFIELDS	0.5	No listed/identified sites
DOD	1.0	No listed/identified sites
FUDS	1.0	No listed/identified sites
LUCIS	0.5	No listed/identified sites
CONSENT	1.0	No listed/identified sites
ROD	1.0	No listed/identified sites
UMTRA	0.5	No listed/identified sites
ODI	0.5	No listed/identified sites
TRIS	TP	No listed/identified sites
TSCA	TP	No listed/identified sites
FTTS	TP	No listed/identified sites
HIST FTTS	TP	No listed/identified sites
SSTS	TP	No listed/identified sites
ICIS	TP	No listed/identified sites
PADS	TP	No listed/identified sites
MLTS	TP	No listed/identified sites
MINES	0.25	No listed/identified sites
RADINFO	TP	No listed/identified sites
FINDS	TP	No listed/identified sites
RAATS	TP	No listed/identified sites
State Hazardous Waste	1.0	No listed/identified sites
State Landfill	0.5	No listed/identified sites
LUST	0.5	No listed/identified sites
UST	0.25	No listed/identified sites
HIST UST	0.25	No listed/identified sites
LAST	0.5	No listed/identified sites
AST	0.25	No listed/identified sites
INST CONTROL	0.5	No listed/identified sites
VCP**	0.5	No listed/identified sites
Drycleaners	0.25	No listed/identified sites
Brownfields	0.5	No listed/identified sites
SWRCY	0.5	No listed/identified sites
AIRS	TP	No listed/identified sites
OK Complaint	TP	No listed/identified sites
TIER 2	TP	No listed/identified sites
ECHO	TP	No listed/identified sites
2020 Cor Action	0.25	No listed/identified sites
INDIAN RESERV	1.0	No listed/identified sites
INDIAN LUST	0.5	No listed/identified sites
INDIAN UST	0.25	No listed/identified sites
Manufactured Gas Plants	1.0	No listed/identified sites
Historical Auto Stations	0.25	No listed/identified sites
Historical Cleaners	0.25	No listed/identified sites
RGA LUST	TP	No listed/identified sites

\* Refer to Table 3 for an explanation of the databases and abbreviations.

## 3.0 INTRODUCTION

### 3.1 Purpose

CC Environmental (CCE) performed a Phase I Environmental Site Assessment at the request of its client, Dolese Bros. Co. (DBC). DBC was interested in evaluating the Property for *recognized environmental conditions* as part of a real estate transaction. The Property was evaluated for the presence or likely presence of any current or historic recognized environmental conditions.

*“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”*

### 3.2 Detailed Scope of Services

A Phase I investigation was performed in general accordance with American Society for Testing and Materials (ASTM) Practice E 1527-13 “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM, 2013) and 40 CFR 312 “All Appropriate Inquiry”. Procedures and methods outlined in ASTM Practice E 1527-13 were generally adhered to. This includes review of records, site reconnaissance, interviews, and reporting. However, the client was not interested in any business environmental risk assessment.

#### 3.2.1 Records Review

An inquiry and examination of the property and surrounding areas was performed to identify recognized environmental conditions. The accuracy and completeness depended on the availability and quality of public information and the degree to which it is reasonably obtained and reviewed. Specific activities include:

- Delineation of the Physical Setting—The available United States Geological Survey (USGS) 7.5 Minute Topographic Map(s), the USGS Hydrologic Atlas, and the Natural Resource Conservation Service (NRCS) Soil Survey and other resources are used (when available and when applicable) to describe and graphically present the site.
- Review of the Historic Land Uses—Reasonably attainable aerial photographs, topographic maps, and insurance maps, were used to assess the historic land uses of the property. The review proceeded as far back as possible given the availability of reasonable attainable historic information.
- Review of Oil and Gas Well Information—Topographic maps, on-line information and interviews were used to assess the oil and gas activities on the property and adjoining properties.
- Review of Environmental Records—The databases presented in Table 1 were reviewed for the listed search distances around the property.

#### 3.2.2 Site Reconnaissance

A representative of CCE conducted the site investigation. The purpose was to evaluate the property in order to identify recognized environmental conditions. This included:

- Site Evaluation—An approach was used to, visually and physically, observe the property and any structures located on the site. However, the client was not interested in any business

liabilities. The report documents current conditions and physical characteristics of the following items. This includes but was not limited to roads, water supplies, sewage systems, drums, storage tanks, solid and hazardous wastes, oil and gas wells, and electrical transformers identified on the property. The periphery of the property and all structures were observed from all adjacent thoroughfares—when applicable.

- Observation of Uses and Conditions—The current and past uses of the property, adjoining properties, and the surrounding area were physically and visually assessed based on field observations. Geologic and topographic conditions of the subject area and the general vicinity were also observed and noted.

### 3.2.3 Interviews

Interviews with appropriate and knowledgeable parties were conducted to ascertain and identify recognized environmental conditions. This includes:

- Interviews with Parties Knowledgeable with the Site—Interviews with current and past occupants, key site managers, or other individuals knowledgeable with the present and past operational practices or present or past condition of the property were conducted. This aspect of the evaluation was subject to the ability to identify appropriate interviewees and their willingness to cooperate.
- Interviews with Government Officials—Governmental officials were contacted to determine if there were any recognized environmental conditions (spills, environmental response calls, or other concerns) associated with the property.

### 3.2.4 Reporting

- Report Submission—The report arrangement follows, in general, the recommended table of contents and report format presented in ASTM E 1527. Two (2) original copies complete with signatures and an electronic copy will be submitted to the client.

## 3.3 Significant Assumptions

- Environmental Data Resources, Inc. (EDR) performed the database searches. The assumption was made that the state and federal databases are accurate and up-to-date, and that EDR's record search was performed correctly and accurately.
- Information provided to CCE from the client, interviewees, subcontractors, and other sources are correct and accurate.

## 3.4 Limitations and Expectations

Information reported in this document is limited by *reasonably ascertainable* information. Reasonably ascertainable is defined as information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable. The accuracy and completeness will depend on the availability and quality of ascertainable information and the degree to which it is reasonable obtained and reviewed. Given the fundamental objectives of a Phase I Site Assessment, the findings are limited by: temporal factors governing the project completion date; the availability of historical and public information; federal and state regulatory database searches performed by Environmental Data Resources, Inc. (EDR); site investigation and interpretation of physical observations; and the identification and quality of interviewees among other factors. The information was obtained from limited, but reputable, sources; however, CCE does not guarantee the accuracy of the information. This Phase I site assessment is not intended to identify all environmental liabilities, problems, or concerns. It does not eliminate the possibility for site contamination or the presence of a recognized environmental condition.

The report should be read completely; no section should be relied upon individually.

Since no building material or media samples were collected as part of this Phase I, site observations were unable to specifically evaluate conditions related to asbestos, lead-based paint, radon, or mold. These items are considered out of scope items within the ASTM Standard E-1527-13 standard for Phase I Environmental Site Assessments.

### **3.5 Deviations**

There were no significant deviations from the Scope of Work other than the data gaps discussed in Section 12.0.

### **3.6 Special Terms and Conditions**

The client is responsible for proper or legal disclosure or reporting to public, private or regulatory entities.

The findings and conclusions reported in this document are based on best professional judgment, obtained, and reported following generally accepted procedures and practices. No other representations either expressed or implied can be made governing the information presented in this document. Consequently, CCE is not responsible for other interpretations, conclusions, opinions, and/or recommendations made by independent parties. Furthermore, CCE is not responsible for any regulatory, physical, chemical, or other environmental changes to the site.

This Phase I site investigation generally follows procedures and guidelines presented in ASTM Practice E 1527 and does not include: a complete regulatory compliance audit, wetland delineation, archeological/culturally significant resource ground survey, asbestos survey, radon, noise, or lead sample testing, chain of title search, or any subsurface investigation.

CCE's level of effort is commensurate with the skill and degree of care normally exercised by other environmental professionals working under the same conditions and operating in the same location. If CCE fails to provide this level of effort, CCE will rectify the situation to a limited degree within 60 days of the completion of the Phase I. The total responsibility and reparation for any defective in service shall not exceed the amount paid for the service. No other expressed or implied warranty is made for the professional services offered.

### **3.7 User Reliance**

The assessment and report shall be for the sole use and benefit of the client. No benefits or rights are transferable or created for parties other than the client. Reproduction of this report is prohibited without expressed written permission of the client for whom the document was prepared. CCE specifically disclaims any liability to third parties.



## **4.0 SITE DESCRIPTION**

### **4.1 Location and Legal Description**

The Property of interest consists of a parcel of land situated within the NE¼ of Section 18, Township 16N, Range 4W I.M., Logan County (Lat: 35.865823 / Long: -97.661065) and consists of approximately 80 total acres. The Property is located along the Cimarron River roughly 4 miles southwest of Cimarron City, Oklahoma.

### **4.2 Site and Vicinity Characteristics**

Based on observations made during the site reconnaissance, the land use in the general vicinity is agricultural and residential.

### **4.3 Current Use of the Property**

The Property is currently a parcel of grass and tree covered land with an oil well and associated tank battery and a meatal farm building.

### **4.4 Description of Structures, Roads and Other Improvements**

Access to the Property is from CR N 300. It appears that municipal utilities are not available.

### **4.5 Current Uses of Adjoining Property**

In general, the subject Property was located in a commercial and residential area.

North Boundary:	Residential properties
South Boundary:	Vacant land and the Cimarron River
East Boundary:	Vacant land
West Boundary:	Vacant land and the Cimarron River

## **5.0 USER PROVIDED INFORMATION**

The “User”, Dolese Bros. Co. (as reported by Mr. Thomas A. Dupuis) provided the following information regarding the Property.

### **5.1 Title Records**

The User reported a title search has been performed on the Property. CCE was not engaged to perform this aspect.

### **5.2 Environmental Liens or Activity & Use Limitations**

The User did not have knowledge of liens or activity limitations related to the Property.

### **5.3 Specialized Knowledge/Experience of the User**

The User did not have specialized knowledge or experience related to the Property.

### **5.4 Valuation of the Property**

The User reported that the purchase price reflected the fair market value of the Property.

### **5.5 Commonly Known or Reasonably Ascertainable Information about the Property**

The User reported that they did not have knowledge regarding past uses, chemicals used on site, spills or releases, or environmental cleanups associated with the Property.

### **5.6 Presence or Likely Presence of Contamination**

The User reported that they did not know of obvious indicators of contamination at the Property.

### **5.7 Owner, Property Manager, Occupant Information**

- The property is owned by:  
Sharon Buchanan
- The property is managed by:  
Sharon Buchanan
- The property was occupied by:  
Not occupied

### **5.8 Reason for Performing the Phase I**

CCE was hired to perform a Phase I Site Assessment at the request of DBC. DBC evaluated the Property as part of a due diligence requirement.

### **5.9 Other Information**

A generic site map was provided by the User.

## 6.0 RECORDS REVIEW

### 6.1 Standard Environmental Records Reviews

#### 6.1.1 Environmental Data Resources Database Review

As specified in ASTM E 1527, a review of state and federal environmental databases must be performed in order to assess the presence of recognized environmental conditions associated with the subject property and adjoining properties. The ASTM method states that a minimum number of federal (e.g., NPL, CERCLIS, RCRA, ERNS) and state (e.g., state NPL, state CERCLIS, USTs, waste facilities) databases must be searched. For this Phase I Site Assessment, a more thorough investigation was performed in which supplemental data sources were evaluated for both the state and federal levels. Environmental Data Resources, Inc. (EDR) (Shelton, Connecticut) performed the database searches (EDR, 2019a). Results from the EDR database searches are summarized below.

Table: 6-1: Environmental Database Summary

Database List	Subject Property Listings	Total # of listings	Environmental Concern posed to the Subject Property
<i>NPL</i> : National Priority List (< 1 mile) "Superfund" list; search identifies sites listed for priority under the Superfund Program	No	0	None
<i>Proposed NPL</i> : Proposed National Priority List (<1 mile) Search identifies sites that have been proposed for the NPL	No	0	None
<i>Delisted NPL</i> : NPL Deletions (<1 mile) Search identifies sites that have been removed from the NPL because no further response is appropriate	No	0	None
<i>NPL Liens</i> (Target Property only) Search identifies sites that have filed notices of Superfund Liens	No	0	None
<i>SEMS</i> : Superfund Enterprise Management System (<0.5 mile) Search identifies sites that are either proposed to or on the NPL and sites that are in the screening and assessment phase for possible inclusion on the NPL (formerly CERCLIS).	No	0	None
<i>SEMS ARCHIVE</i> : No further remedial Action Planned (<0.5 mile) Search identifies sites that were removed from the CERCLIS list for various reasons (formerly CERCLIS-NFRAP)	No	0	None
<i>LIENS 2</i> (Target property only) Search identifies sites that had a federal CERCLA lien for investigation of releases and threatened releases	No	0	None
<i>CORRACTS</i> : Corrective Action report (<1 mile) Search identifies hazardous waste handlers with RCRA corrective action activity.	No	0	None
<i>RCRA-TSDF</i> : Resource Conservation and Recovery Act-treat, store, or dispose (0.5 mile) Search identifies selective information on sites which generate transport, store, treat, and/or dispose of hazardous waste as defined by RCRA	No	0	None
<i>RCRA-LQG</i> : RCRA Large Quantity Generator (<0.25 mile) Search identifies selective information on "large quantity generators" sites which generate transport, store, treat, and/or dispose of hazardous waste	No	0	None
<i>RCRA-SQG</i> : RCRA Small Quantity Generator (<0.25 mile) Search identifies selective information on "small quantity generators" sites which generate transport, store, treat, and/or dispose of hazardous waste	No	0	None

Database List	Subject Property Listings	Total # of listings	Environmental Concern posed to the Subject Property
<i>RCRA-CESQG</i> : RCRA Conditionally Exempt Small Quantity Generator (<0.25 mile) Search identifies selective information on "conditionally exempt small quantity generators" sites which generate transport, store, treat, and/or dispose of less than 100 kg of hazardous waste	No	0	None
<i>RCRA-NonGen</i> : RCRA Non Generators (<0.25 mile) Search identifies selective information on "small quantity generators" sites which do not presently generate transport, store, treat, and/or dispose of hazardous waste	No	0	None
<i>US ENG Controls</i> : Engineering Controls Sites List (<0.5 mile) Search identifies sites with engineering controls in place	No	0	None
<i>US INST Controls</i> : Institutional Controls Sites List (<0.5 mile) Search identifies sites with institutional controls in place	No	0	None
<i>HMIRS</i> (Target Property only) Search identifies sites listed in the Hazardous Material Information Reporting System	No	0	None
<i>DOT OPS</i> (Target Property only) Search identifies Dept. of Transportation and Office of Pipeline Safety incident and accident data	No	0	None
<i>CDL</i> (Target Property only) Search identifies records clandestine drug lab locations reported the Dept of Justice. Law enforcement agencies reported chemicals or other items that indicated drug laboratories or dumpsites.	No	0	None
<i>US BROWNFIELDS</i> (<0.5 mile) Search identifies brownfields sites	No	0	None
<i>DOD</i> : Department of Defense (<1 mile) Search identifies sites administered by the Dept. of Defense	No	0	None
<i>FUDS</i> : Formerly Used Defense Sites (<1 mile) Search identifies formerly used defense sites	No	0	None
<i>LUCIS</i> : Land Use Control Information System (<0.5 mile) Search identifies records of land use control information pertaining to the former Navy Base Realignment and Closure properties.	No	0	None
<i>CONSENT</i> : Superfund Consent Decrees (<1 mile) Search identifies major legal settlements that establish responsibility and standards for cleanup at NPL site.	No	0	None
<i>ROD</i> : Record of Decision (<1 mile) Search identifies documents that mandate a permanent remedy at an NPL site.	No	0	None
<i>UMTRA</i> : Uranium Mill Tailings Sites (<0.5 mile) Search identifies Uranium Mill Tailings Sites	No	0	None
<i>ODI</i> : Open Dump Inventory (<0.5 mile) Search identifies sites listed in the open dump inventory	No	0	None
<i>TRIS</i> : Toxic Release Inventory System (Target Property only) Search identifies sites in the Toxic Release Inventory System	No	0	None
<i>TSCA</i> : Toxic Substances Control Act (Target Property only) Search identifies sites that manufacture substances listed in the Toxic Substances Control Act	No	0	None
<i>FTTS</i> : FIFRA/TSCA Tracking System (Target Property only) Search identifies sites with administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act)	No	0	None

Database List	Subject Property Listings	Total # of listings	Environmental Concern posed to the Subject Property
<i>HIST FTTS</i> : Historical FIFRA/TSCA Tracking System (Target Property only) Search identifies historical sites with administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act)	No	0	None
<i>SSTS</i> : Section Seven Tracking System (Target Property only) Search identifies sites listed within Section 7 of FIFRA	No	0	None
<i>ICIS</i> : Integrated Compliance Information System (Target Property only) Search identifies sites listed in the Integrated Compliance Information System	No	0	None
<i>PADS</i> : PCB Activity Database System (Target Property only) Search identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities	No	0	None
<i>MLTS</i> : Material License Tracking System (Target Property only) Search identifies sites which possess or use radioactive materials and which are subject to NRC licensing requirements.	No	0	None
<i>MINES</i> : Mines Master Index File (<0.25 mile) Search identifies sites with mine identification numbers issued for mines active or opened since 1971.	No	0	None
<i>RADINFO</i> : Radiation Information Database (Target Property only) Search identifies sites that are regulated EPA for radiation and radioactivity.	No	0	None
<i>FINDS</i> : Facility Index System/Facility Registry System (Target Property only) FINDS contains both facility information and 'pointers' to other sources that contain more detail.	No	0	None
<i>RAATS</i> : RCRA Administrative Tracking System (Target Property only) Search identifies records based on enforcement actions issued under RCRA pertaining to major violations and includes administrative and civil actions brought by the EPA	No	0	None
<i>NY MANIFEST</i> : (<0.25 mile) Facility and Manifest Data	No	0	None
<i>WI MANIFEST</i> : (<0.25 mile) Manifest Information	No	0	None
<i>SHWS</i> : State Hazardous Waste Sites (<1 mile) Search identifies sites on the Oklahoma's equivalent to CERCLIS	No	0	None
<i>SWF/LF</i> : State Landfills (<0.5 mile) Search identifies solid waste disposal facilities or landfills.	No	0	None
<i>LUST</i> : Leaking Underground Storage Tanks (<0.5 mile) Search identifies sites within the Leaking Petroleum Storage Tanks database	No	0	None
<i>UST</i> : Underground Storage Tanks (<0.25 mile) Search identifies UST sites regulated under Subtitle I of the RCRA	No	0	None
<i>HIST UST</i> : Historical Underground Storage Tanks (<0.25 mile) Search identifies UST sites on the state historical listing	No	0	None
<i>LAST</i> : Leaking Aboveground Storage Tanks (<0.5 mile) Search identifies leaking aboveground storage tanks	No	0	None
<i>AST</i> : Aboveground Storage Tanks (<0.25 mile) Search identifies registered aboveground storage tanks	No	0	None
<i>INST CONTROL</i> : Sites with Controls (<0.5 mile) Search identifies sites with institutional controls	No	0	None

Database List	Subject Property Listings	Total # of listings	Environmental Concern posed to the Subject Property
<i>VCP</i> : Voluntary Cleanup Program (<0.5 mile) Program which was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites.	No	0	None
<i>Drycleaners</i> (<0.25 mile) Drycleaners registration database	No	0	None
<i>Brownfields</i> (<0.5 mile) Search identifies state brownfields sites	No	0	None
<i>OK SWRCY</i> (<0.5 mile) Search identifies recycling facility locations	No	0	None
<i>AIRS</i> (Target Property only) Search identifies permitted AIRS facility locations	No	0	None
<i>OK COMPLAINT</i> : Oklahoma Complaint System (Target Property only) Search identifies sites listed in the Oklahoma Complaint system database	No	0	None
<i>TIER 2</i> (Target Property only) Search identifies facilities which store or manufacture hazardous materials and submit a chemical inventory report.	No	0	None
<i>ECHO</i> : Enforcement & Compliance History Information (Target Property only) Search provides integrated compliance and enforcement information.	No	0	None
<i>INDIAN RESERV</i> : Indian Reservations (<1 mile) Search identifies Indian administered lands of the United States that have an area equal or greater than 640 acres	No	0	None
<i>INDIAN LUST</i> : LUSTs on Indian Land (<0.5 mile) Search identifies LUSTs on Indian Land	No	0	None
<i>INDIAN UST</i> : USTs on Indian Land (<0.25 mile) Search identifies USTs on Indian Land	No	0	None
<i>2020 COR ACTION</i> : (<0.25 mile) 2020 Corrective Action Program List	No	0	None
Manufactured Gas Plants (<1 mile) Search identifies sites with Manufactured Gas Plants	No	0	None
Historical Auto Stations (<0.25 mile) Search identifies historic gas station, repair, etc.	No	0	None
Historical Cleaners (<0.25 mile) Search identifies historic dry cleaners, laundries, etc.	No	0	None
RGA LUST (TP) Search identifies recovered government archive Leaking Underground Storage Tank.	TP	0	None

### 6.1.2 Other Database/Records Review

#### *Voluntary Cleanup Program*

According to the DEQ Voluntary Cleanup Program website, no VCP sites are located on or near the Property. The closest site is four miles away.

## 6.2 Physical Setting Information

As required by ASTM E 1527, the physical setting was reviewed and evaluated. Important physical setting sources included information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of the subject property and surrounding area.

### 6.2.1 Topographic Information

Topographic information was determined from one recently obtainable USGS 7.5 Minute Quad map “Cashion, OK” (1:24,000 scale) (USGS, 2018), and from the site visit. The terrain is fairly flat with a slope to the south-southwest and at an elevation of approximately 987 to 955 ft (USGS, 2018).

## 6.2.2 Hydrologic Information

### *Surface Water*

As predicted from the 2018 USGS Cashion Topo map, surface water would probably flow to the south-southwest.

### *Ground Water*

According to the Hydrologic Atlas #4, Oklahoma City Quad (USGS 1975), (Scale 1:250,000), this area is underlain primarily by Alluvium. Reported potential yields are 150 to 300 gallons per minute. There was one (1) well in the immediate area. The reported well was 24 ft. deep, with water at 22 ft. deep (USGS 1975).

According to the water well records information provided on the Oklahoma Water Resources Board (OWRB) webpage, there were no reported well on the Property. There was one (1) industrial well, one (1) irrigation well, and six (6) domestic wells within the general vicinity of the Property (Section 18, T16N, R4WIM) (OWRB, 2019).

Table: 6-2: A listing of groundwater well information

WELL ID#	COUNTY	OWNER NAME	QUARTERS	SEC-TWP-RGE	DATE CONSTRUCTED	WELL TYPE	USE	TOTAL DEPTH (FT)
28754	Logan	Twin Lake Sport Club	SE-NE-NW	18-16N-04WI	03/17/92	Groundwater Well	Industrial	40
31208	Logan	Bruce Ligon	NW-NW-NW	18-16N-04WI	03/03/94	Groundwater Well	Domestic	36
94718	Logan	Paul Cummings	SW-NE-NW	18-16N-04WI	05/31/05	Groundwater Well	Domestic	43
101427	Logan	Shawnee Indian Health Service	NW-NW-NW	18-16N-04WI	04/01/06	Groundwater Well	Domestic	50
100109	Garfield	Lee Rule	SW-NE-NE	18-16N-04WI	10/27/05	Groundwater Well	Irrigation	45
138727	Logan	Bill Balding	NW-NW-NW	18-16N-04WI	09/20/11	Groundwater Well	Domestic	60
150817	Logan	David Heath	SW-NE-NE	18-16N-04WI	04/09/13	Groundwater Well	Domestic	45
153654	Logan	Henry Rodrigues	SW-NW-NW	18-16N-04WI	06/26/13	Groundwater Well	Domestic	60

## 6.2.3 Geologic Information

### *Regional Geology*

The Property falls within the Quaternary Series of the Quaternary System of the Cenozoic Era (EDR, 2019a). The code for this stratigraphic unit is Q. According to the Hydrologic Atlas #4, Oklahoma City Quad (USGS 1975), (Scale 1:250,000), this area is underlain by Alluvium.

### *Soils*

The dominant soil types on the Property and in the general area are Goodnight fine sand, Yahola fine sandy loam, and Gaddy fine sandy loam (EDR, 2019a). The Goodnight fine sand soil type is characterized by a high infiltration rate. These soils are deep, well drained to excessively drained sands and gravels. The Yahola fine sandy loam soil type is characterized by a moderate infiltration rate. These soils are deep and moderately deep, moderately well and well drained with moderately coarse textures. The Gaddy fine sandy loam soil type is characterized by a high infiltration rate. These soils are deep, well drained to excessively drained sands and gravels. These soils do not meet the requirements of a hydric soil. Refer to the following table for a list of the engineering properties for this soil.

Table: 6-3: Soil Layer Information

GOODNIGHT FINE SAND						
Layer	Upper (inches)	Lower (inches)	Soil Texture Class	AASHTO Group	Unified Soil	Soil Reaction (pH)
1	0	7	fine sand	Not Reported	Not Reported	Max: 8.4 Min: 6.1
2	7	22	fine sand	Not Reported	Not Reported	Max: 8.4 Min: 6.1
3	22	44	fine sand	Not Reported	Not Reported	Max: 8.4 Min: 6.1
4	44	79	fine sand	Not Reported	Not Reported	Max: 8.4 Min: 6.1

YAHOLA FINE SANDY LOAM						
Layer	Upper (inches)	Lower (inches)	Soil Texture Class	AASHTO Group	Unified Soil	Soil Reaction (pH)
1	0	5	fine sandy loam	Not Reported	Not Reported	Max: 8.4 Min: 7.9
2	5	33	loam	Not Reported	Not Reported	Max: 8.4 Min: 7.9
3	33	79	stratified loamy fine sand to loam	Not Reported	Not Reported	Max: 8.4 Min: 7.9

GADDY FINE SANDY LOAM						
Layer	Upper (inches)	Lower (inches)	Soil Texture Class	AASHTO Group	Unified Soil	Soil Reaction (pH)
1	0	5	fine sandy loam	Not Reported	Not Reported	Max: 8.4 Min: 7.9
2	5	79	Stratified fine sand to clay loam	Not Reported	Not Reported	Max: 8.4 Min: 7.9

### *Oil and Gas Fields*

The Property is located within the Sooner Trend Oil Field. According to the records information provided on the OCC webpage there was one (1) oil and gas related wells within the same quarter sections as the Property, the NE¼ of Section 18, T16N, R4W (OCC, 2019).

The “Zachgo 18” well is located on the Property. There have been no reported spills from this well and the operating company, GLM Energy, Inc. is an open company in good standing with a posted surety bond.

There is one well that adjoins the Property to the east on the north side of the river (API 3508300376), and a second well that adjoins to the south on the south side of the river (API 3508300698). There are several wells listed for the adjacent quarter sections, but many more in the general area.

Table 6-4: OCC Listing of Oil and Gas Wells within SW¼ and SE¼ of Section 18.

Proximity to Property	API #	Well Name	Operator Name	Quarters	Status	Effective Date
NE¼ Section 18, T16N, R4W	3508321578	Zachgo 18 1	GLM Energy, Inc.	SE-NE	Active	01/16/1981

Please note that the OCC record keeping system is inherently inaccurate/incomplete.



### 6.3 Historical Use Information—Subject Property

#### 6.3.1 Aerial Photographs

Aerial photographs of the Property were reviewed. Maps were obtained from EDR (2019c) (2017, 2013, 2010, 2006, 1995, 1981, 1968, and 1954) and reviewed on Google Earth (1991-2018) (Google 2019). Refer to Table 6-5 for the listing and source of the aerial photographs used in this assessment. Since the photographs have been copied and manipulated to fit within this document, they should not be scaled.

The following generic observations were made:

- 1954 - 1968: The Property appeared to be agricultural land with one structure. The Cimarron River was located west of the Property in the 1954 aerial and on the Property in the 1968 aerial.
- 1981: The oil well first appears in this aerial.
- 1995 – 2018: The Property appears as it stands today—in general.

Table: 6-5: Aerial Photographs for the Property and Surrounding Area.

Date	Source	Type
1991 - 2018	Google Earth	Black and White & Color Photos
2017	EDR	Color Photo
2013	EDR	Color Photo
2010	EDR	Color Photo
2006	EDR	Color Photo
1995	EDR	Black and White Photo
1981	EDR	Color Photo
1968	EDR	Black and White Photo
1954	EDR	Black and White Photo

#### 6.3.2 Historic Topographic Maps

There were at least four (4) topographic maps readily available for the Property from USGS (2019). “Cashion, OK” USGS 7.5 Minute Quad (1:24,000 scale) (2018) (USGS), “Cashion, OK” USGS 7.5 Minute Quad (1:24,000 scale) (1970) (USGS), “Kingfisher, OK” USGS 30 Minute Quad (1:125,000 scale) (1895) (USGS), and “Kingfisher, OK” USGS 30 Minute Quad (1:125,000 scale) (1892) (USGS),. Refer to Table 6-6 for the date, scale and name of the topo maps used in this assessment.

The following generic observations were made:

- 1892: The Property appears to be in an undeveloped area.
- 1895: The Property appears to be in an undeveloped area.
- 1970: The Property appears to be undeveloped near a developing area. (The river moved north.)
- 2018: The Property appears to be undeveloped near a developed area.

Table 6-6: Topographic Maps Obtained from Various Sources for the Property and Surrounding Area.

Date	Scale	Name
2018	1:24,000	“Cashion, OK”
1970	1:24,000	“Cashion, OK”
1895	1:125,000	“Kingfisher, OK”
1892	1:125,000	“Kingfisher, OK”

### **6.3.3 Fire Insurance Maps**

According to EDR, Inc. (2019b), there were no Sanborn Maps available for the Property.

### **6.3.4 City Directories**

No city directories were reviewed for the Property.

## **6.4 Historical Use Information—Adjoining Properties**

Historic uses of the adjoining property were based on interviews, aerial photographs, topographic maps, and from the site assessment. Refer to the following sections for specific information governing these sources: Section 17 for topographic maps, site maps, aerial photographs and site photos; Section 7.0 for site reconnaissance information; and Section 8.0 for interview documentation.

### **6.4.1 Aerial Photographs**

In general, review of the aerial photographs indicated that the Property was located in an agricultural, residential, and commercial area.

The following generic observations were made:

- 1954: The immediate area and general vicinity appeared to be agricultural and residential. Agricultural land is located to the south, west, north, and east.
- 1968 - 1981: Residential development continues to the north. The Twin Lake development is present on the 1968 aerial.
- 1995 - 2018: The vicinity appears as it stands today—in general.

### **6.4.2 Historic Topographic Maps**

In general, review of the topographic maps indicated that the Property was located in an agricultural or undeveloped area with a few structures nearby. The following generic observations were made:

- 1892: The area was located in an undeveloped area.
- 1898: The area was located in an undeveloped area.
- 1970: The area was located in an undeveloped area with residential development to the north.
- 2018: The area was located in an undeveloped area with residential development to the north.

### **6.4.3 Fire Insurance Maps**

According to EDR, Inc. (2019b), there were no Sanborn Maps available for the adjoining properties.

### **6.4.4 City Directories**

No city directories were reviewed for the Property.

## 7.0 SITE RECONNAISSANCE

### 7.1 Methodology and Limiting Conditions

A set procedure for evaluating the land was put in place to promote a representative site review and to minimize assessment bias. However, a visual inspection is limited in its ability to identify and assess environmental liabilities and recognized environmental conditions. Notes and sketches were made during the site visit, and photographs were taken to document potential environmental liabilities. The adjoining properties were also visually observed at the time of the visit. No water, soil, or air samples were taken to specifically determine the presence of contaminants, hazardous wastes, compounds of concern, or other environmental liabilities.

A representative of CCE (Mr. David Sparks) conducted the site reconnaissance on December 9, 2019. Field conditions at the time of the visit were cool (~40s °F), cloudy, and with light winds. There were no impediments to the field investigation except areas of thick and impenetrable vegetation.

### 7.2 General Site Setting

The Property is basically a rectangular-shaped parcel of land approximately 80 acres in size. The Property is located within an agricultural and residential area. The topography at the Property is fairly flat dipping to the south-southwest. The parcel is currently a vacant parcel of grass and tree covered land with an oil well and associated tank battery, an old metal barn, and bisected by the Cimarron River. It appeared that utilities were not available to the Property.

### 7.3 Exterior Observations

#### 7.3.1 Site Visit Findings

##### *Hazardous Substances*

No hazardous substances were observed during the site reconnaissance.

##### *Petroleum Products*

The tank battery location did not appear to be in use during the time of the site visit, but there was evidence of petroleum storage.

##### *USTs*

No evidence of underground storage tanks was observed on the Property.

##### *ASTs*

No evidence of aboveground storage tanks was observed on the Property—other than oilfield tank battery tanks.

##### *Other Suspect Containers*

No unlabeled containers were observed during the site reconnaissance.

##### *Equipment Likely to Contain PCBs*

No PCB containing equipment was observed during the site reconnaissance.

### ***Staining/Corrosion***

No obvious indications of hazardous material or petroleum product releases, such as stained areas, were observed during the site reconnaissance.

### ***Discharge Features***

No obvious indications were observed during the site reconnaissance.

### ***Pits, Ponds, And Lagoons***

No evidence of sumps or catch basins.

### ***Solid Waste Dumping/Landfills***

No visual signs of landfilling were observed during the site reconnaissance.

### ***Stained Soil/Stressed Vegetation***

No obvious indications of hazardous material or petroleum product releases, such as stained areas or stressed vegetation, were observed during the site reconnaissance.

### ***Wells***

No wells were observed during the site reconnaissance.

### ***Septic System***

No septic systems were observed during the site reconnaissance.

## **7.3.2 Adjoining Property and General Vicinity**

The Property was located within an agricultural and residential area. The property immediately adjoining the subject property included the following:

North Boundary:	Residential properties.
South Boundary:	Vacant land and the Cimarron River.
East Boundary:	Vacant land.
West Boundary:	Vacant land and the Cimarron River.

## **7.4 Interior Observations**

One structure was observed on the Property. An approximately 500 square foot wood framed structure with sheet metal siding was observed on the Property. It appeared that this building may have housed livestock at one time.

## 8.0 INTERVIEWS

Interviews were conducted with individuals knowledgeable about the site and/or individuals having information governing the existence of environmental liabilities. Interview questions were tailored to the specific interviewee, given their relationship or knowledge base associated with site.

### 8.1 Interview with Owner

On December 12, 2019, Geoff Canty interviewed the Property Owner, Ms. Sharon Buchanan. The following is a summary of the relevant information.

- She stated that they had owned the Property for 20 to 25 years.
- It has been vacant land and used for recreational purposes.
- She was unaware of environmental violations, stained soil, or PCB containing equipment on site.
- She mentioned her ex-husband parked the box truck on the Property
- She was unaware of any hazardous substances, petroleum products, wastes, batteries or other materials being dumped, buried or burned on the Property other than tires used to stabilize the river bank but they have washed away.
- She was unaware of any USTs or ASTs on the Property other than the oil well tank battery.

### 8.2 Interviews with Local Government Officials

On December 4, 2019, Mr. David Sparks emailed the Logan County Emergency Management Director, Mr. David Ball in regards to any environmental concerns with the Property. Mr. Ball stated that he has no knowledge of any environmental incidents at the Property.

### 8.3 Interviews with Others

No others were interviewed.

## 9.0 FINDINGS

After assessing the environmental databases, performing a site assessment, conducting interviews with pertinent individuals, and reviewing topographic maps and aerial photographs, the following general observations were made:

### 9.1 Records Review

- According to the EDR Geotcheck search (2019a) there were no sites within the area of study.
- According to the OCC well database search there is one (1) oil well within the same quarter sections as the Property and five (5) other wells in the general area.
- According to the OWRB database search, there were one (1) industrial well, one (1) irrigation well, and six (6) domestic wells in the vicinity of the Property.

### 9.2 Site Reconnaissance

- The Property is currently a parcel of grass and tree covered parcel of land with the Cimarron River bisecting the Property. There were many areas of very heavy vegetation on the Property that hampered access to some parts of the Property.
- One oil well and associated tank battery were observed on the Property. There was no visual signs of leakage around the well head or the tank battery. No evidence of a reserve pit was observed in the area of the oil well.
- An abandoned box truck was observed on the Property.
- An old metal farm building was observed on the Property.

### 9.3 Interviews

- The interview with the Property Owner (Mrs. Sharon Buchanan) revealed the following:
  - She stated that they had owned the Property for 20 to 25 years.
  - She stated that the Property has been vacant land and used for recreational purposes.
  - She was unaware of environmental violations, stained soil, or PCB containing equipment on site.
  - She was unaware of any hazardous substances, petroleum products, wastes, batteries or other materials being dumped, buried or burned on the Property other than tires used to stabilize the river bank but they have washed away.
  - She was unaware of any USTs or ASTs on the Property other than the oil well tank battery.

## 10.0 OPINIONS

Review the following points for a discussion of the items identified during this Phase I evaluation.

### 10.1 Records Review

- EDR database review.
  - According to the EDR Geotcheck search (2019a) there were no sites within the area of study.
- OCC Oilfield Well Database and Oil & Gas Fields:
  - According to the records information provided on the OCC webpage, there was one oil and gas related well within the same quarter section as the Property, the NE<sup>1</sup>/<sub>4</sub> of Section 18, T16N, R4W (OCC, 2019). The “Zachgo 18” well is located on the Property. There have been no reported spills from this well and the operating company, GLM Energy, Inc. is an active company in good standing with a posted surety bond. There were no reported or observed releases to the Property. Consequently, this listing was not considered to be a REC.
  - The reserve pit associated with the oil well was not considered to be a REC. Although the OCC allows reserve pits to be closed in-place, there is still the potential to encounter contamination. This could include petroleum, and hazardous substances associated with drilling fluids or the overall drilling process. However, given the age of the well—a couple decades—and the lack of any overt evidence of contamination or stressed soil, the impact is probably minor or *de minimis*. Consequently, the presence of the reserve pits at this stage does not represent a release or a material threat of a release to the Property.
- OWRB Database: According to the OWRB database search, there were no monitoring wells located in Section 18.

### 10.2 Site Reconnaissance

- No RECs were identified during the site reconnaissance.

### 10.3 Interviews

- No RECs were identified on the Property during the interview process.

## 11.0 CONCLUSIONS<sup>2</sup>

We have performed a *Phase I Environmental Site Assessment* in conformance with the scope and limitations of ASTM Practice E1527 of the subject property (described in Section 4). Any exceptions to, or deletions from, this practice are described in Section 12 of this report. This assessment has revealed no evidence of *recognized environmental conditions* in connection with the Property.

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<sup>2</sup> The user should read the entire document and review Sections 9.0 and 10.0 for more information about the subject property's environmental condition.



## 12.0 DEVIATIONS

A Phase I investigation was performed in accordance with American Society for Testing and Material (ASTM) Practice E 1527-13 “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM, 2005). Procedures and methods outlined in ASTM Practice E 1527-13 were strictly adhered to. Any assumptions, limitations, special terms or conditions are presented in Sections 3.3-3.6. The deviations to the standard ASTM procedure are listed as follows:

- A title search was not provided at the time of writing.

### **13.0 ADDITIONAL SERVICES**

No additional services were requested by the client.

## 14.0 REFERENCES

ASTM (2013) “Designation: E1527 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, American Society for Testing and Materials, West Conshohocken, PA.

EDR (2019a) “EDR Radius Map with GeoCheck”, Inquiry Number 5890570.2s, Environmental Data Resources, Inc., Shelton, CT.

EDR (2019b) “Sanborn Map Report”, Inquiry Number 5890570.3, Environmental Data Resources, Inc., Shelton, CT.

EDR (2019c) “Aerial Photo Decade Package”, Inquiry Number 5890570.5, Environmental Data Resources, Inc., Shelton, CT.

Google Earth (2019) Google Earth website reviewed December 2019.

OCC (2019) “Oil and Gas Web Application” searchable database available at the Oklahoma Corporation Commission (OCC) website, <http://www.occ.state.ok.us/>.

OGS (2015) “Map of Oklahoma Oil and Gas Fields”, Map GM-39, Oklahoma Geological Survey, Norman, OK.

OWRB (2019) “Water Well Record Search” searchable database available at the Oklahoma Water Resources Board (OWRB) website, <http://www.owrb.state.ok.us/>.

USGS (1975) “Hydraulic Atlas #4, Reconnaissance of the Water Resources of the Oklahoma City Quadrangle Oklahoma”, 1:250,000, Washington, D.C.

USGS (2018) “Cashion, OK”, 7.5 Minute Quadrangle, 1:24,000, U.S. Geological Survey, Washington, D.C.

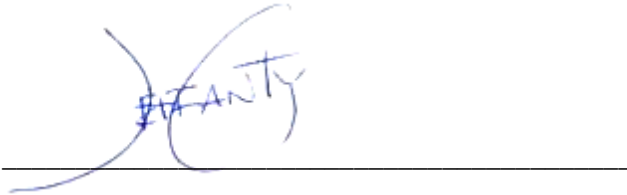
USGS (1970) “Cashion, OK”, 7.5 Minute Quadrangle, 1:24,000, U.S. Geological Survey, Washington, D.C.

USGS (1895) “Kingfisher, OK”, 30 Minute Quadrangle, 1:125,000, U.S. Geological Survey, Washington, D.C.

USGS (1892) “Kingfisher, OK”, 30 Minute Quadrangle, 1:125,000, U.S. Geological Survey, Washington, D.C.

## 15.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONALS

We, the undersigned, have completed and reviewed the attached report, and represent the information contained herein is true and accurate, to the best of our knowledge.



---

Date: December 23, 2019

GEOFFREY A. CANTY, Ph.D.  
Director of Environmental Services



---

Date: December 23, 2019

DAVID SPARKS, B.S.  
Environmental Specialist

## **16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS**

We declare that, to the best of our professional knowledge and belief, we meet the definition of *Environmental Professional* as defined in §312.10 of 40 CFR. We have the specific qualification based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the all appropriate inquiries in general conformation with the standards and practices set forth in 40 CFR Part 312.

### **16.1 David Sparks**

Mr. Sparks has over twenty (20) years of experience in Environmental Phase I, Phase II, and Phase III investigations. Mr. Sparks also has geotechnical and construction materials experience. Mr. Sparks is a licensed professional geologist, 40 hours HAZWOPER certified, and an Oklahoma licensed asbestos inspector.

### **16.2 Geoffrey A. Canty, Ph. D.**

Mr. Canty has over fifteen (15) years of experience performing environmental assessment and Phase I and Phase II investigations. Mr. Canty has over twenty (20) years of experience in air, water and soil environmental monitoring, is 40 hours HAZWOPER certified, and is an Oklahoma licensed asbestos inspector.

## 17.0 APPENDICES

### 17.1 Site/Vicinity Maps

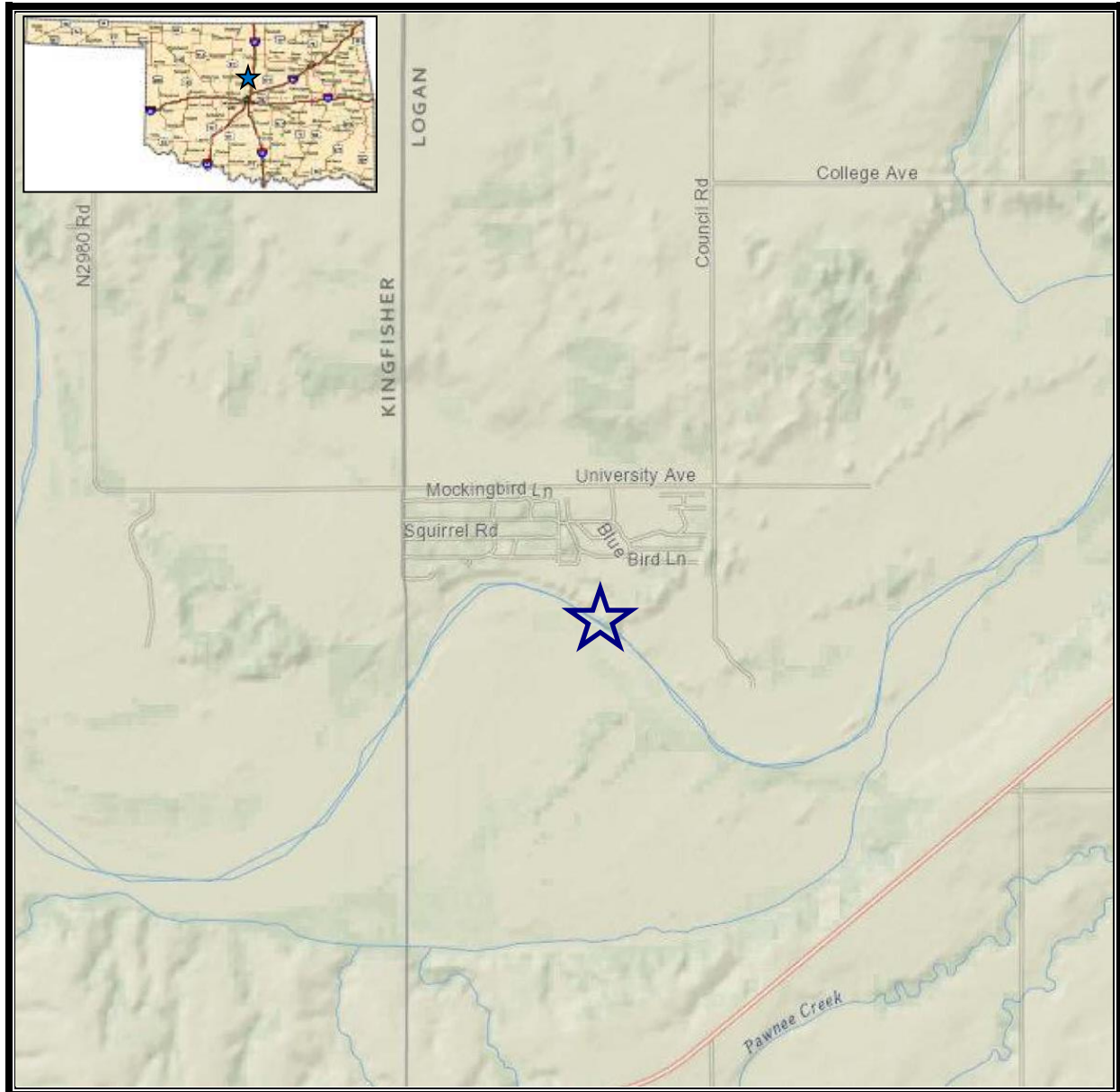


Figure 1: Vicinity Map (approximate location of blue star)

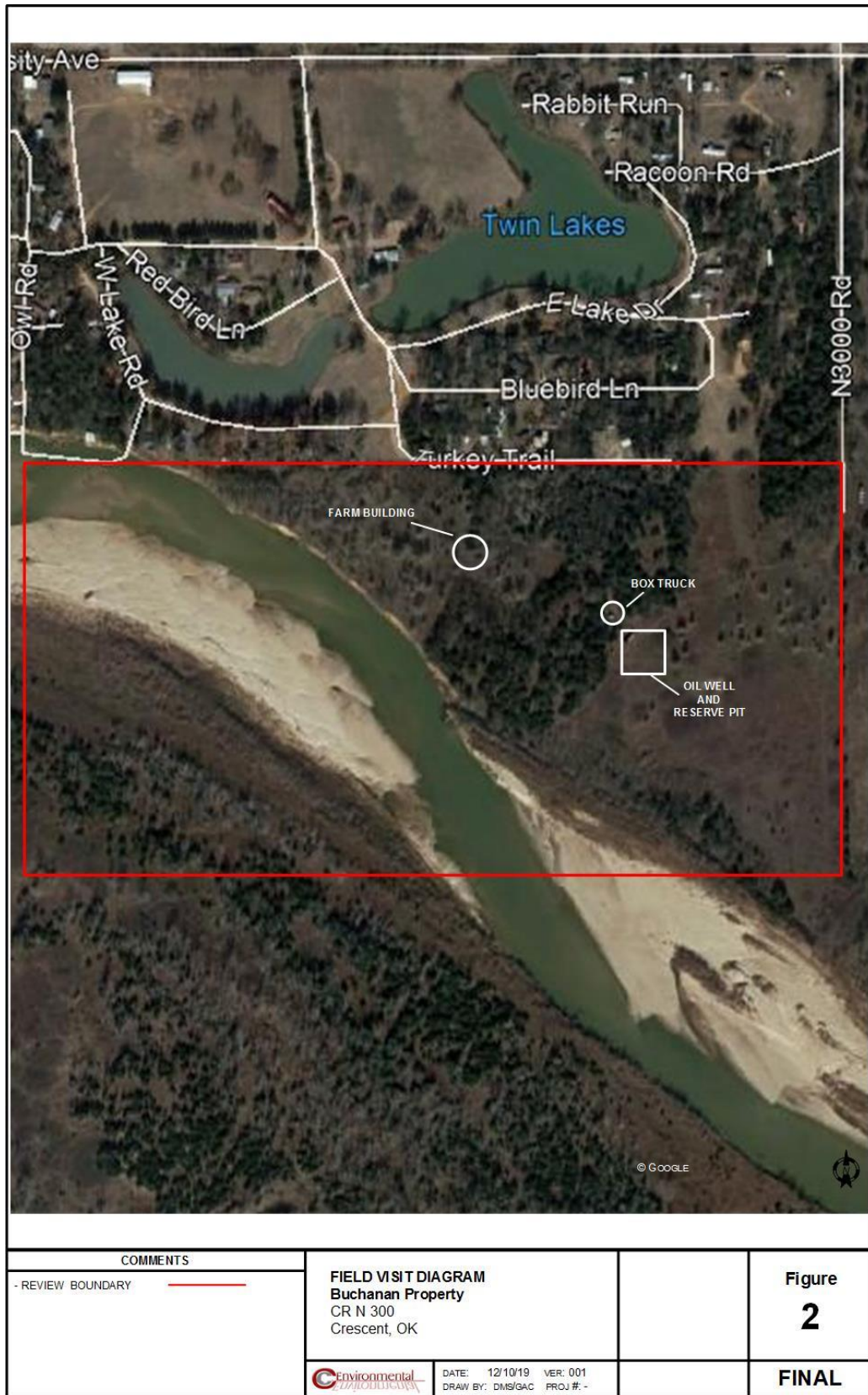
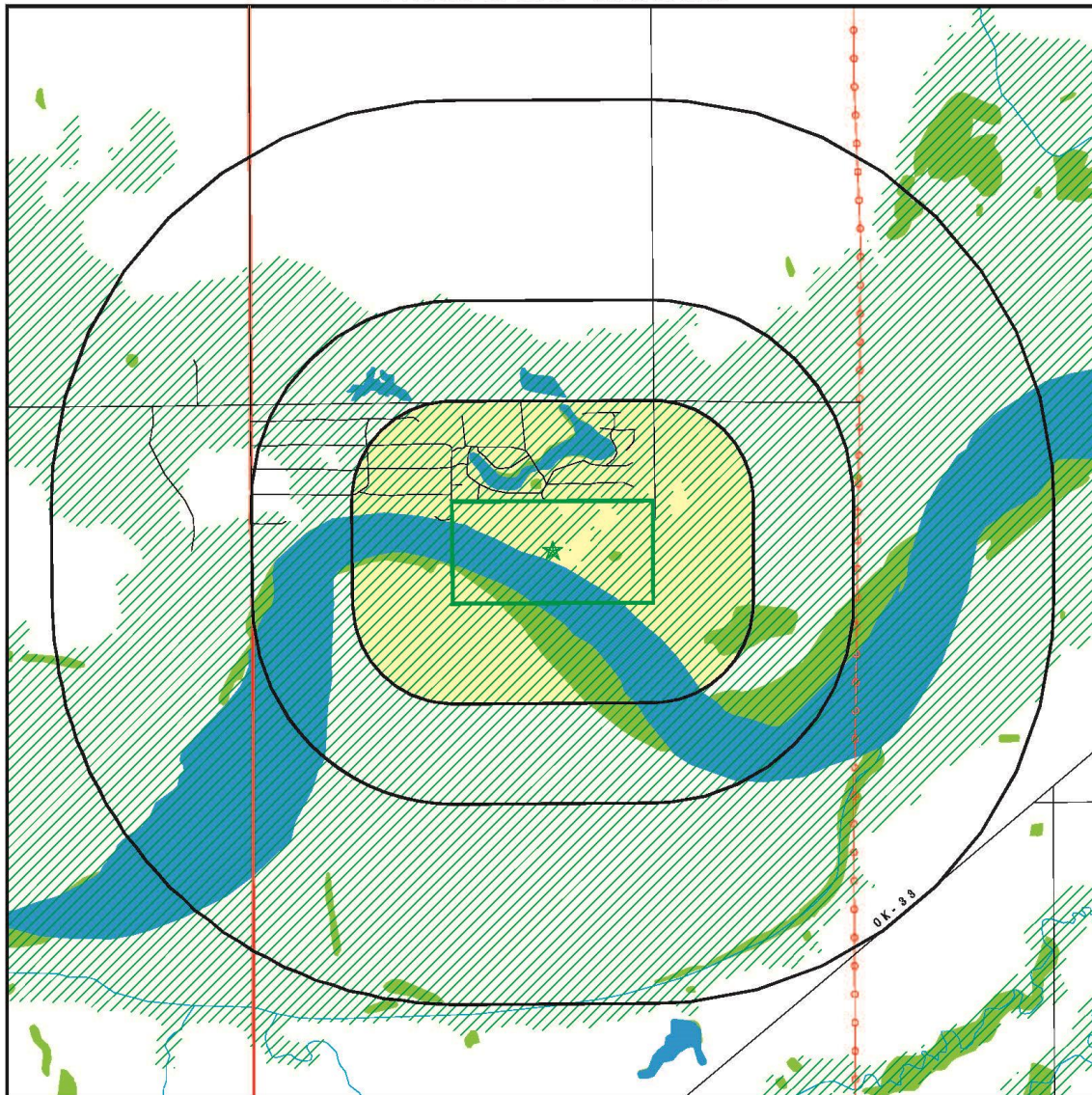


Figure 2: Field Diagram



**OVERVIEW MAP - 5890570.2S**



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Special Flood Hazard Area (1%)
- 0.2% Annual Chance Flood Hazard
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

<p><b>SITE NAME:</b> 80 Acre Buchanan Property  <b>ADDRESS:</b> CR N 300                  Crescent OK 73028  <b>LAT/LONG:</b> 35.865855 / 97.661038</p>	<p><b>CLIENT:</b> CC Environmental LLC  <b>CONTACT:</b> Geoff Canty  <b>INQUIRY #:</b> 5890570.2s  <b>DATE:</b> December 03, 2019 1:38 pm</p>
---	---

Copyright © 2019 EDR, Inc. © 2016 TomTom Rel. 2015.



Figure 3: Location map depicting the extended environmental database search radii (EDR, 2019a).

## **17.2 Historical Research Documentation—Aerial Photos & Topo Maps**

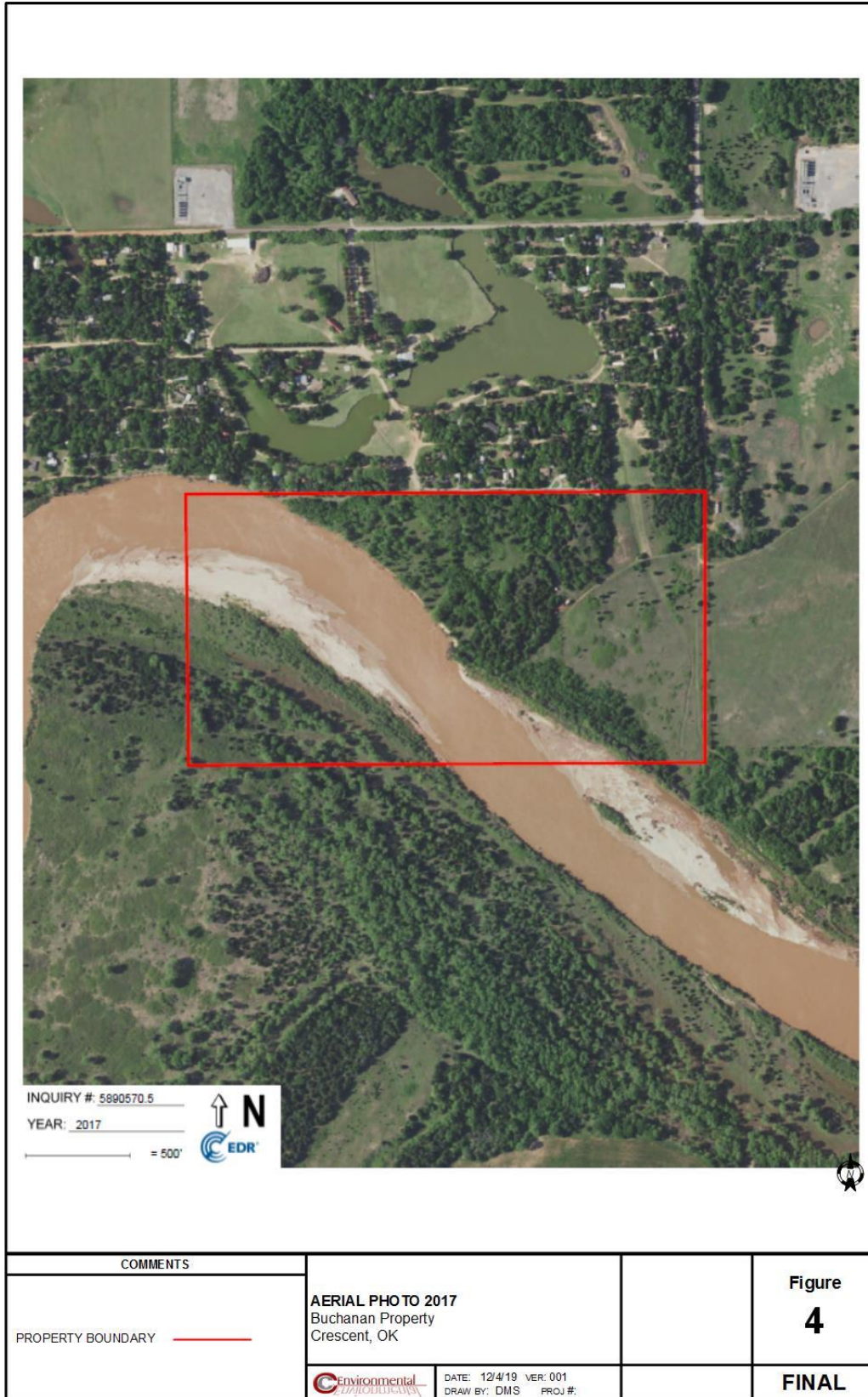


Figure 4: 2017 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).

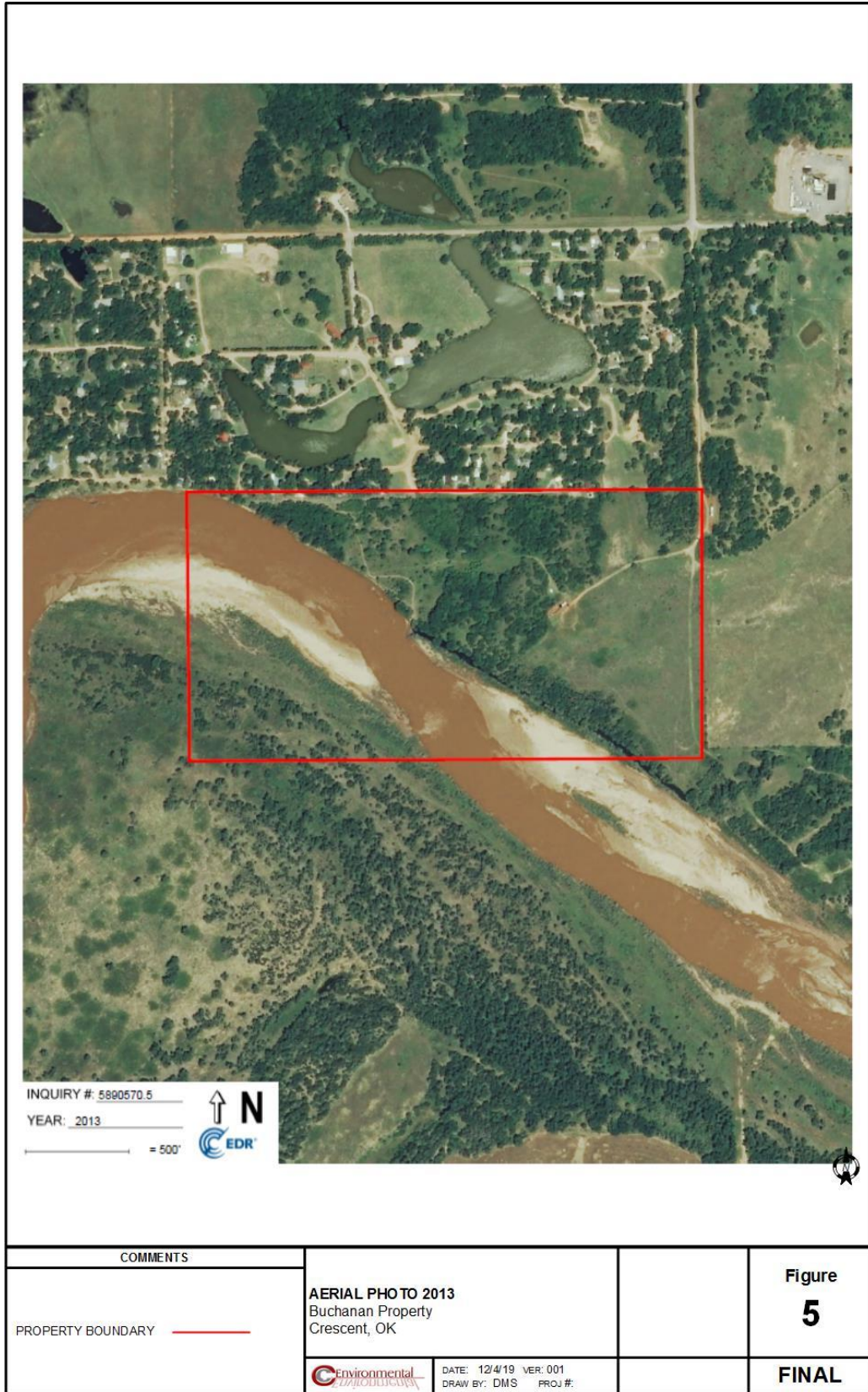


Figure 5: 2013 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).



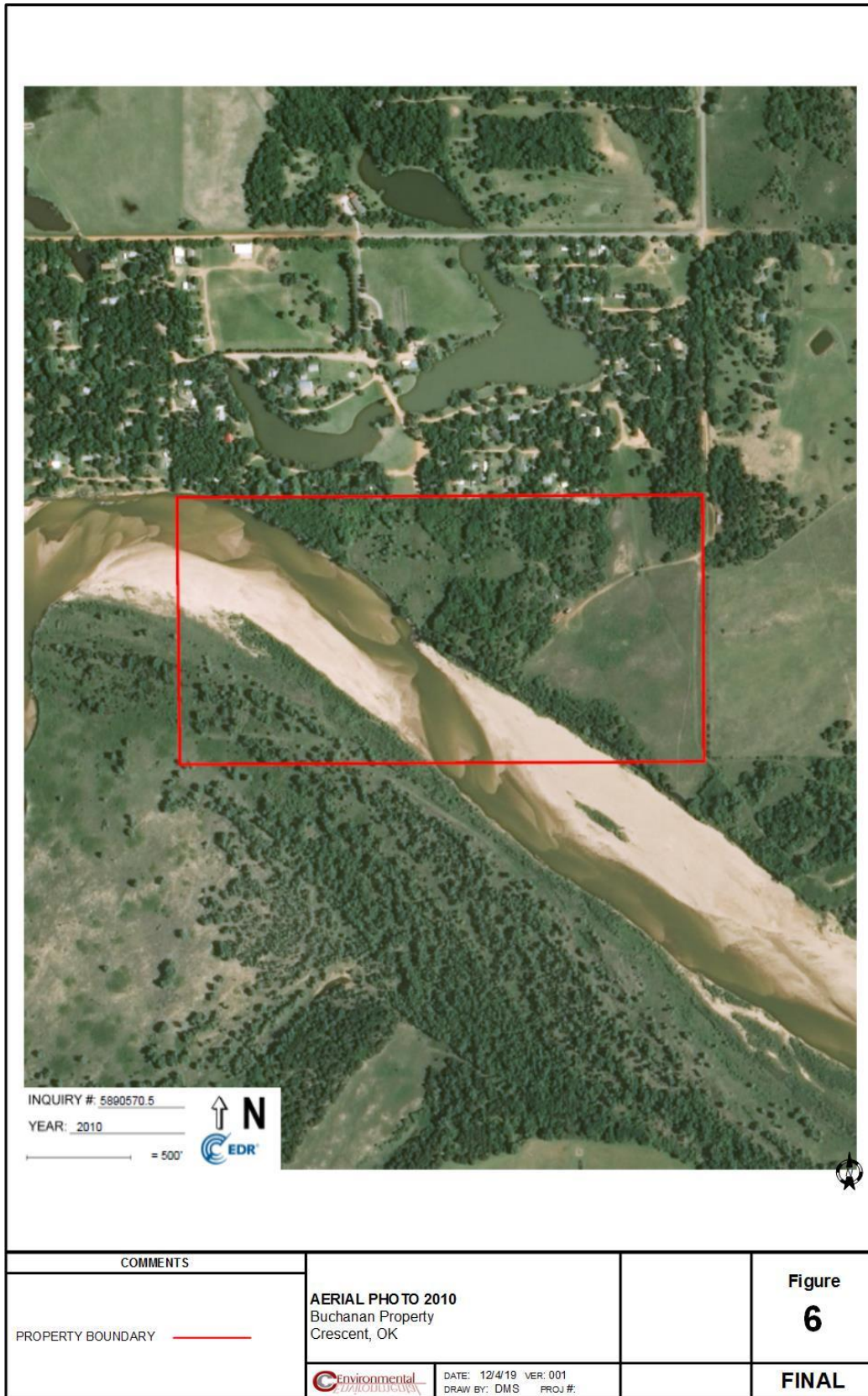


Figure 6: 2010 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).

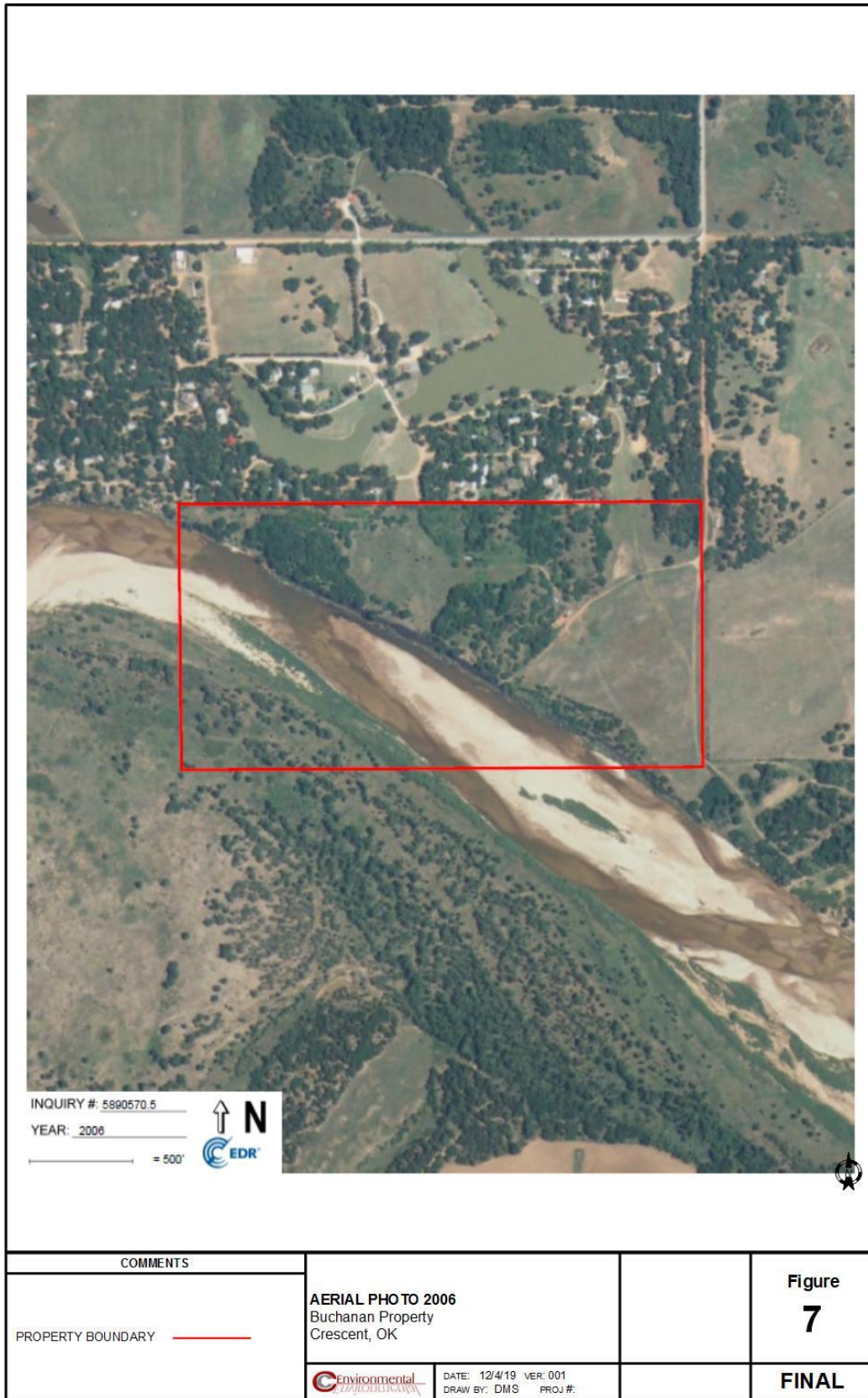


Figure 7: 2006 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).



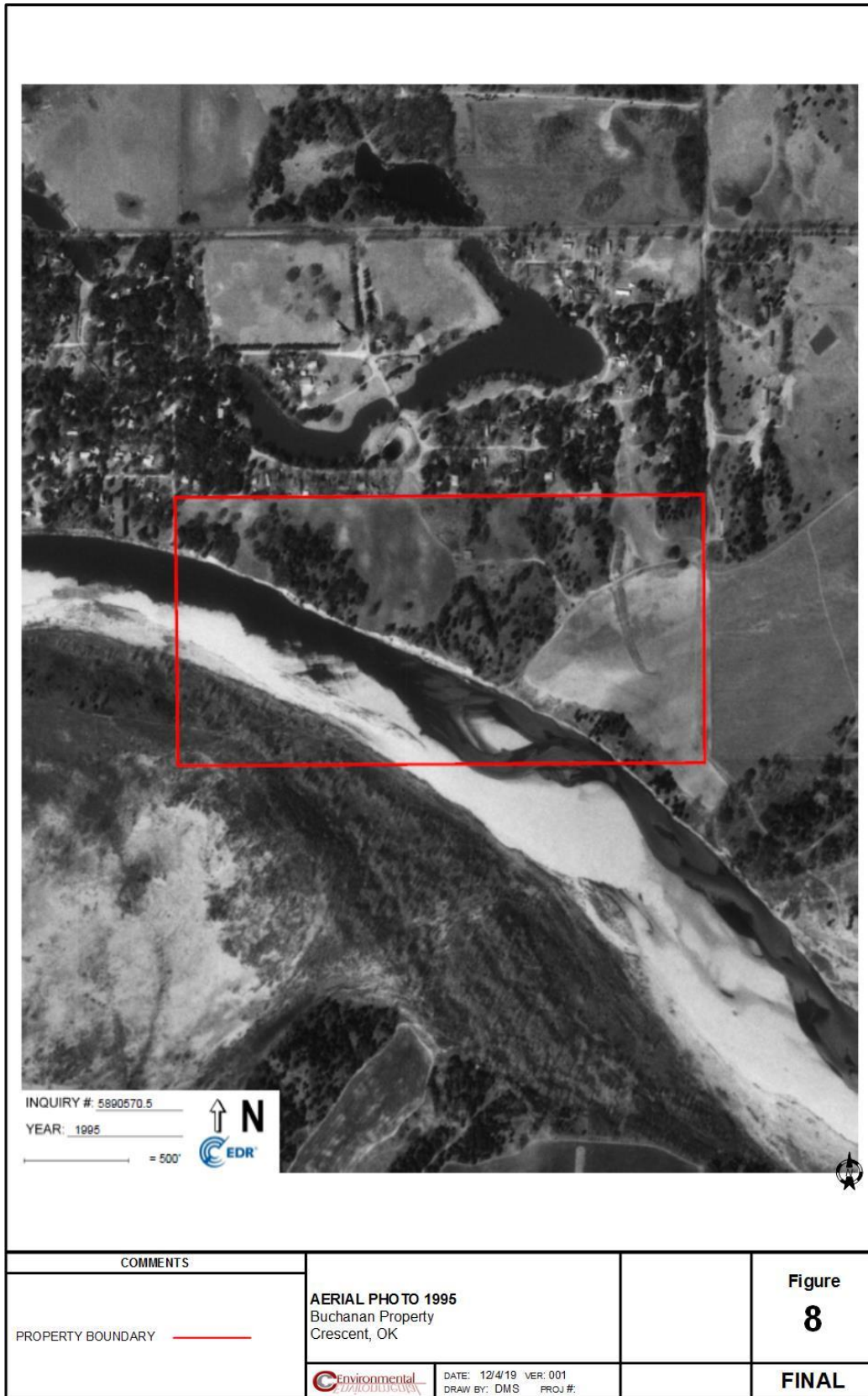


Figure 8: 1995 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).





Figure 9: 1981 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).

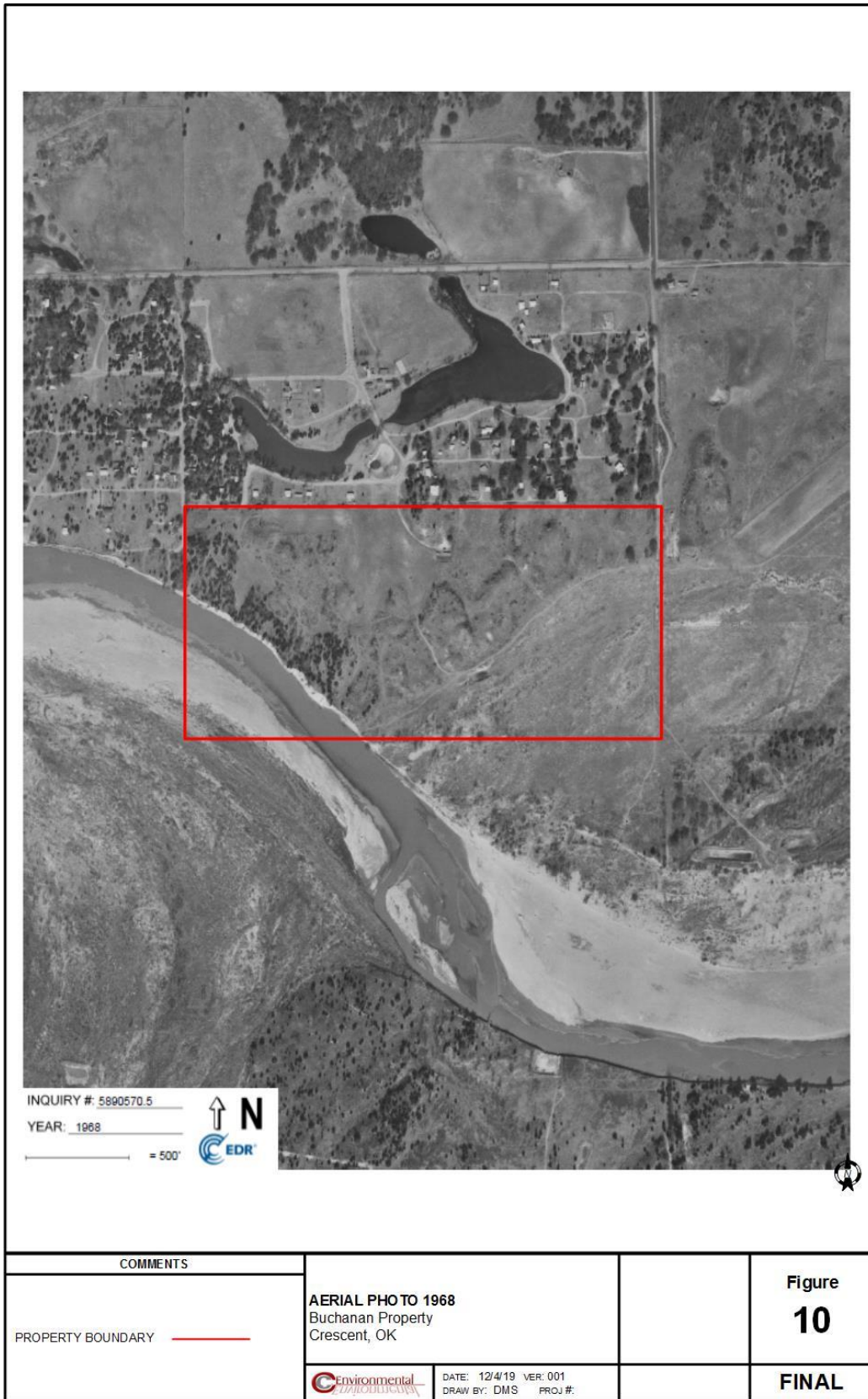


Figure 10: 1968 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).



Figure 11: 1954 aerial photograph of subject property (approximate location of red polygon) and the surrounding area (EDR, 2019c).





Figure 12: 2018 topographic map of subject property (approximate location of red polygon) and the surrounding area (USGS, 2019).



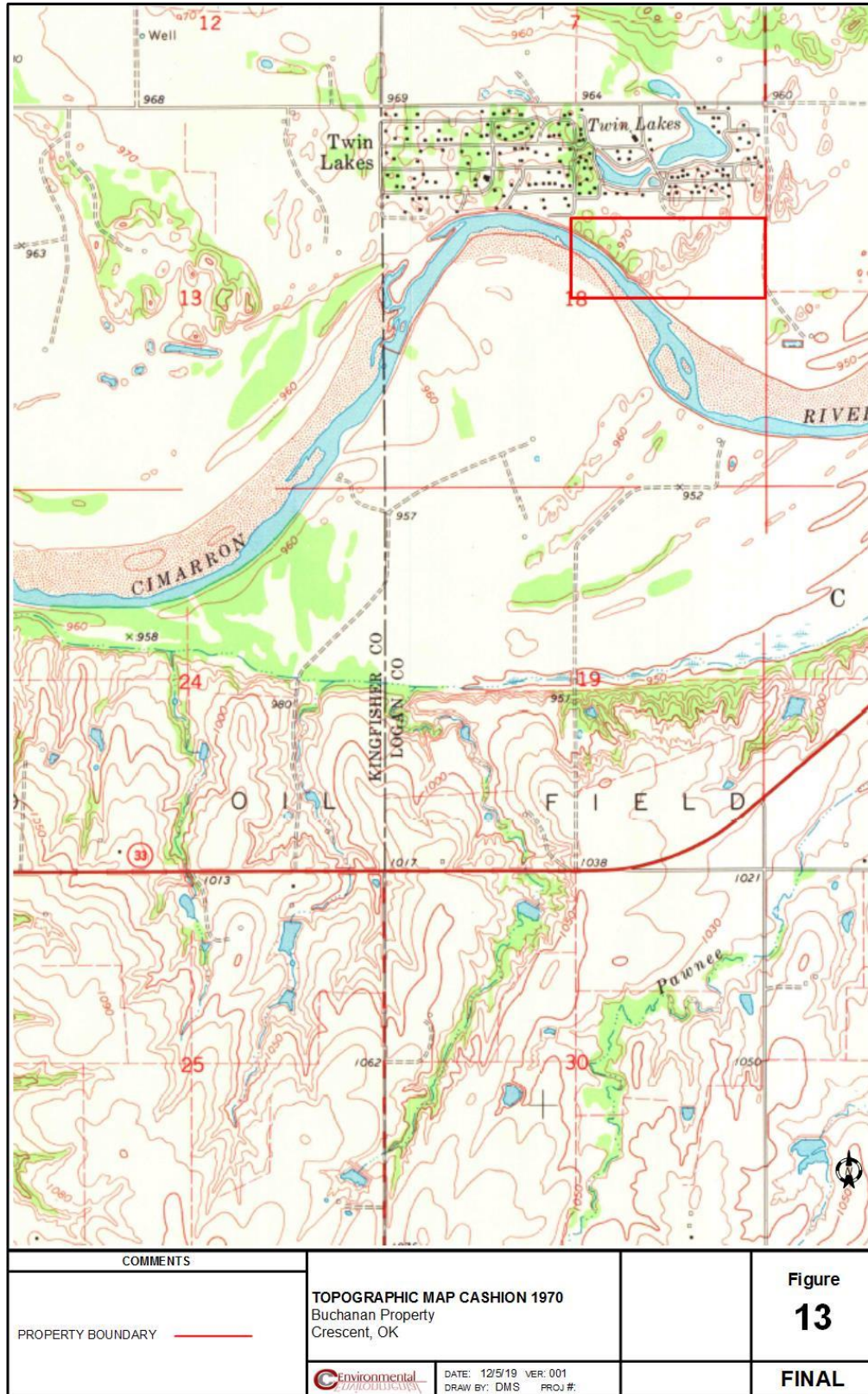


Figure 13: 1970 topographic map of subject property (approximate location of red polygon) and the surrounding area (USGS, 2019).





Figure 14: 1895 topographic map of subject property (approximate location of red polygon) and the surrounding area (USGS, 2019).





Figure 15: 1892 topographic map of subject property (approximate location of red polygon) and the surrounding area (USGS, 2019).



## 17.3 Site Photographs



**Photo 1: Adjacent north property-vacant land (Twin Lakes)**



**Photo 2: Adjacent east property-vacant agricultural land**



**Photo 3: Adjacent south property**



**Photo 4: Adjacent west property**



**Photo 5: NE boundary of Property; view to SW**



**Photo 6: SE boundary of Property; view to NW**





**Photo 7: SW boundary of Property; view to NE**



**Photo 8: Oil well on Property**



**Photo 9: View of the tank battery site**



**Photo 10: View of the tank battery site**



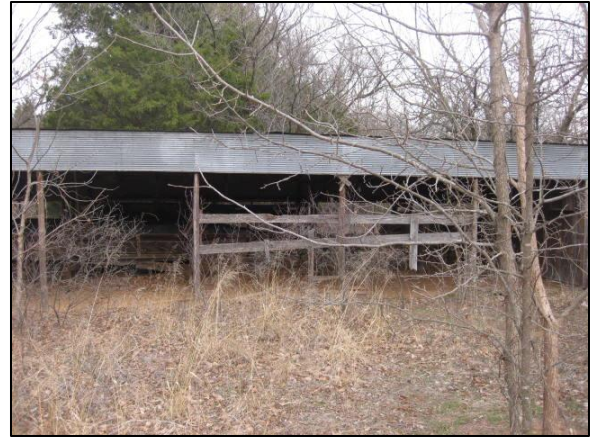
**Photo 11: View of well head**



**Photo 12: View of abandoned box truck**



**Photo 13: View of possible reserve pit location**



**Photo 14: View of old farm building/barn**

## **17.4 Regulatory Records & Supporting Documentation<sup>3</sup>**

### **17.4.1 EDR Study Report and Supporting Documents**

### **17.4.2 User Questionnaire**

### **17.4.3 OK Water Resources Board Records**

### **17.4.4 OK Corporation Commission Records**

---

<sup>3</sup> Database search information and the entire document have been saved to disk. This information has been included for the User.

### **17.4.1 EDR Study Report and Supporting Documents**

**80 Acre Buchanan Property**

CR N 300

Crescent, OK 73028

Inquiry Number: 5890570.2s

December 03, 2019

# The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	8
Orphan Summary .....	9
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting SSURGO Soil Map .....	A-5
Physical Setting Source Map .....	A-11
Physical Setting Source Map Findings .....	A-13
Physical Setting Source Records Searched .....	PSGR-1

***Thank you for your business.***  
 Please contact EDR at 1-800-352-0050  
 with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

CR N 300  
CRESCENT, OK 73028

#### COORDINATES

Latitude (North): 35.8658550 - 35° 51' 57.07"  
Longitude (West): 97.6610380 - 97° 39' 39.73"  
Universal Transverse Mercator: Zone 14  
UTM X (Meters): 620887.9  
UTM Y (Meters): 3969697.5  
Elevation: 970 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5926422 CASHION, OK  
Version Date: 2012  
  
North Map: 5927598 CRESCENT NW, OK  
Version Date: 2012

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150623, 20150609  
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:  
CR N 300  
CRESCENT, OK 73028

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	----------------------------

NO MAPPED SITES FOUND

# EXECUTIVE SUMMARY

## TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL..... National Priority List  
Proposed NPL..... Proposed National Priority List Sites  
NPL LIENS..... Federal Superfund Liens

### ***Federal Delisted NPL site list***

Delisted NPL..... National Priority List Deletions

### ***Federal CERCLIS list***

FEDERAL FACILITY..... Federal Facility Site Information listing  
SEMS..... Superfund Enterprise Management System

### ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

### ***Federal RCRA generators list***

RCRA-LQG..... RCRA - Large Quantity Generators  
RCRA-SQG..... RCRA - Small Quantity Generators  
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

### ***Federal institutional controls / engineering controls registries***

LUCIS..... Land Use Control Information System

## EXECUTIVE SUMMARY

US ENG CONTROLS..... Engineering Controls Sites List  
US INST CONTROL..... Sites with Institutional Controls

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

SHWS..... The Land Report

### ***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF..... Permitted Solid Waste Disposal & Processing Facilities

### ***State and tribal leaking storage tank lists***

LUST..... Leaking Underground Storage Tank List  
LAST..... Leaking Aboveground Storage Tanks List  
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

### ***State and tribal registered storage tank lists***

FEMA UST..... Underground Storage Tank Listing  
UST..... Underground Storage Tank Listing  
AST..... Aboveground Storage Tanks  
INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal institutional control / engineering control registries***

INST CONTROL..... Institutional Control Sites

### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Cleanup Site Inventory

### ***State and tribal Brownfields sites***

BROWNFIELDS..... Brownfield Sites

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### ***Local Brownfield lists***

US BROWNFIELDS..... A Listing of Brownfields Sites

#### ***Local Lists of Landfill / Solid Waste Disposal Sites***

SWRCY..... Recycling Facilities  
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands  
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations  
ODI..... Open Dump Inventory  
IHS OPEN DUMPS..... Open Dumps on Indian Land

## EXECUTIVE SUMMARY

### **Local Lists of Hazardous waste / Contaminated Sites**

US HIST CDL..... Delisted National Clandestine Laboratory Register  
US CDL..... National Clandestine Laboratory Register

### **Local Lists of Registered Storage Tanks**

HIST UST..... Underground Storage Tank List, List II Version

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
OK COMPLAINT..... Oklahoma Complaint System Database

### **Other Ascertainable Records**

RCRA NonGen / NLR..... RCRA - Non Generators / No Longer Regulated  
FUDS..... Formerly Used Defense Sites  
DOD..... Department of Defense Sites  
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing  
US FIN ASSUR..... Financial Assurance Information  
EPA WATCH LIST..... EPA WATCH LIST  
2020 COR ACTION..... 2020 Corrective Action Program List  
TSCA..... Toxic Substances Control Act  
TRIS..... Toxic Chemical Release Inventory System  
SSTS..... Section 7 Tracking Systems  
ROD..... Records Of Decision  
RMP..... Risk Management Plans  
RAATS..... RCRA Administrative Action Tracking System  
PRP..... Potentially Responsible Parties  
PADS..... PCB Activity Database System  
ICIS..... Integrated Compliance Information System  
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)  
MLTS..... Material Licensing Tracking System  
COAL ASH DOE..... Steam-Electric Plant Operation Data  
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List  
PCB TRANSFORMER..... PCB Transformer Registration Database  
RADINFO..... Radiation Information Database  
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing  
DOT OPS..... Incident and Accident Data  
CONSENT..... Superfund (CERCLA) Consent Decrees  
INDIAN RESERV..... Indian Reservations  
FUSRAP..... Formerly Utilized Sites Remedial Action Program  
UMTRA..... Uranium Mill Tailings Sites  
LEAD SMELTERS..... Lead Smelter Sites  
US AIRS..... Aerometric Information Retrieval System Facility Subsystem  
US MINES..... Mines Master Index File  
ABANDONED MINES..... Abandoned Mines  
FINDS..... Facility Index System/Facility Registry System

## EXECUTIVE SUMMARY

ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted AIRS Facility Listing
DRYCLEANERS.....	Drycleaner Facility Listing
Financial Assurance.....	Financial Assurance Information Listing
TIER 2.....	Tier 2 Data Listing
UIC.....	Underground Injection Wells Database Listing
MINES MRDS.....	Mineral Resources Data System

### **EDR HIGH RISK HISTORICAL RECORDS**

#### ***EDR Exclusive Records***

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

### **EDR RECOVERED GOVERNMENT ARCHIVES**

#### ***Exclusive Recovered Govt. Archives***

RGA HWS.....	Recovered Government Archive State Hazardous Waste Facilities List
RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

### **SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were not identified.

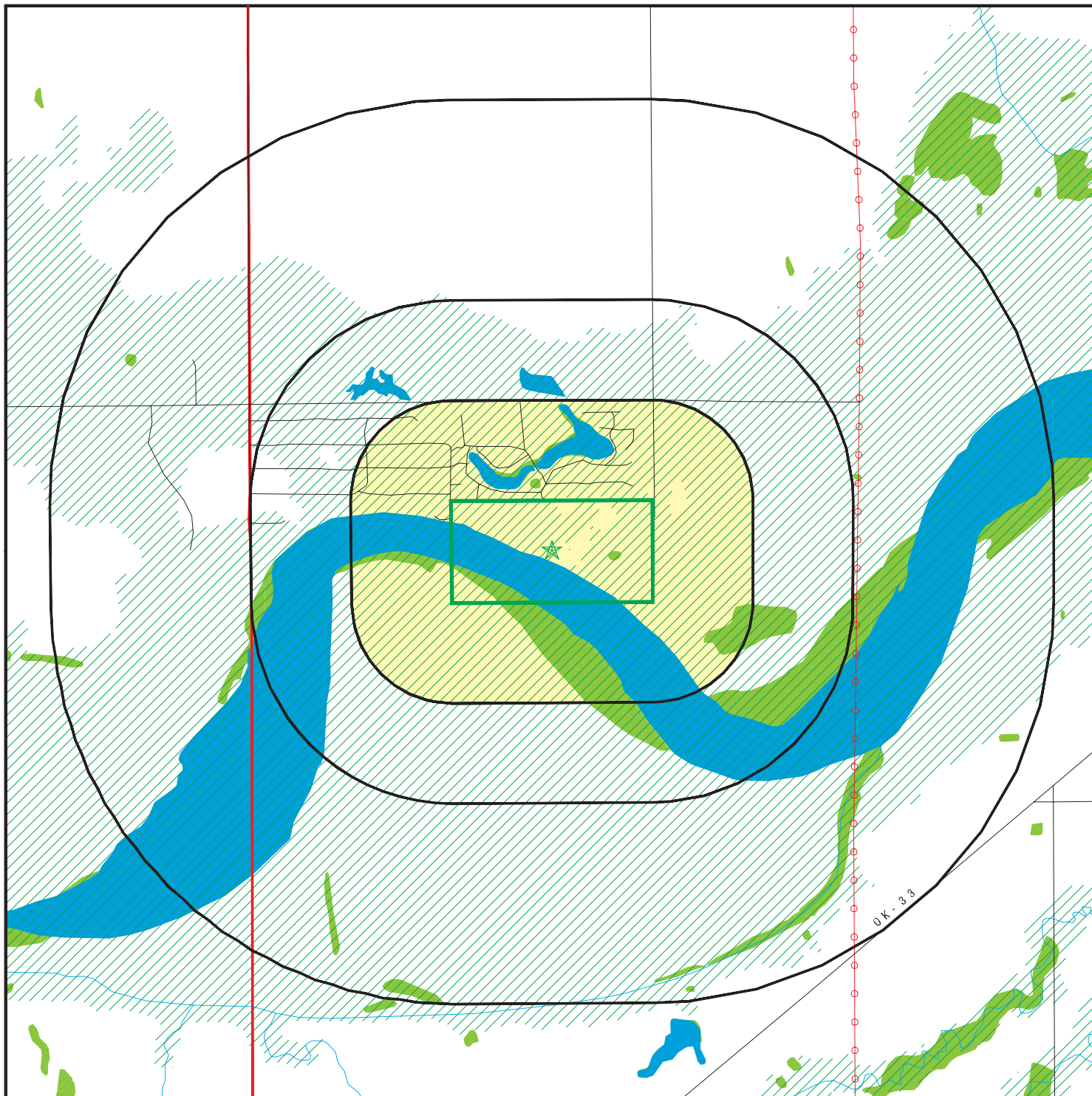
Unmappable (orphan) sites are not considered in the foregoing analysis.



## EXECUTIVE SUMMARY

There were no unmapped sites in this report.

# OVERVIEW MAP - 5890570.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites



Indian Reservations BIA

County Boundary

Power transmission lines

Special Flood Hazard Area (1%)

0.2% Annual Chance Flood Hazard

National Wetland Inventory

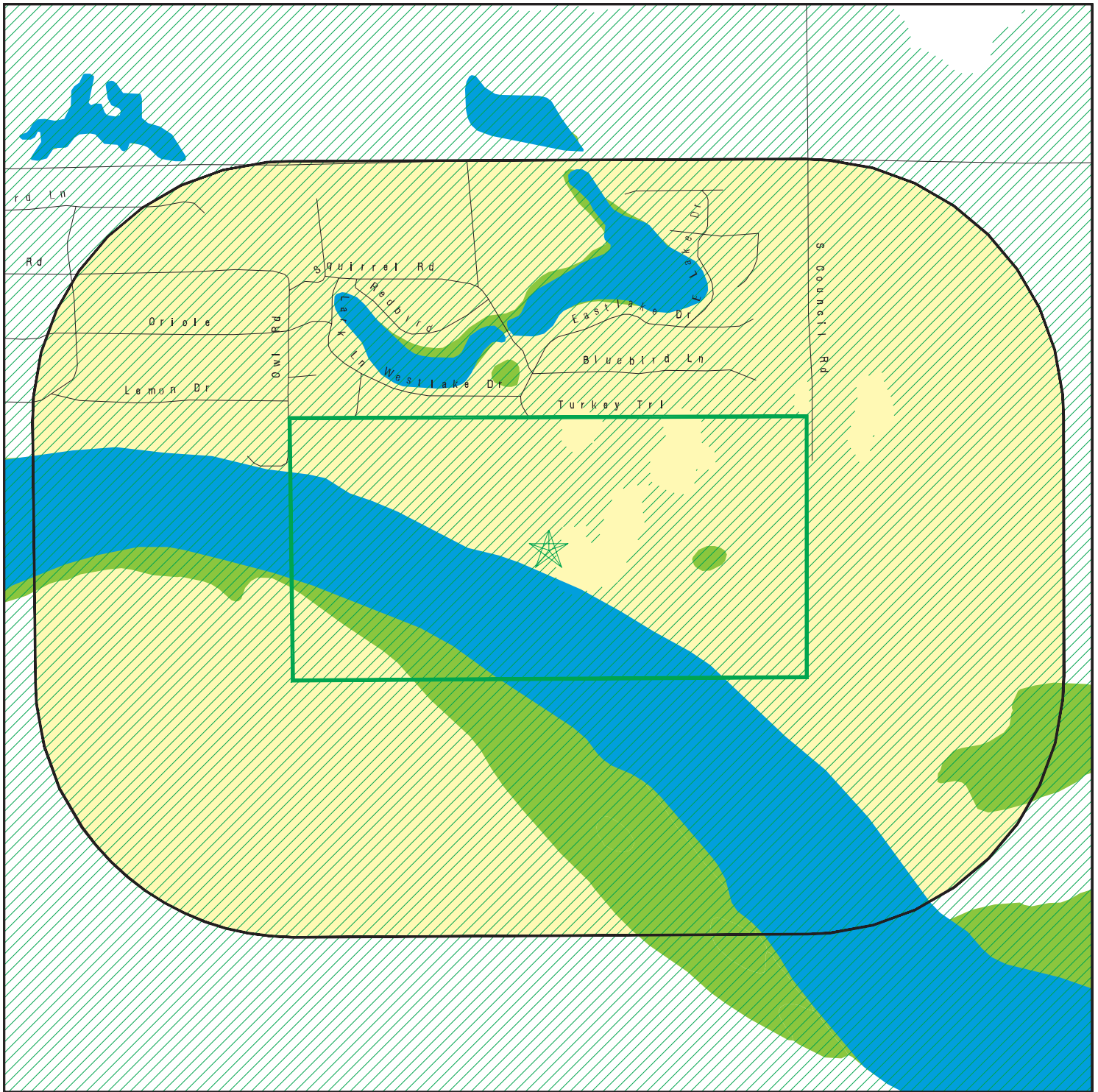









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.





SITE NAME: 80 Acre Buchanan Property  
 ADDRESS: CR N 300  
 Crescent OK 73028  
 LAT/LONG: 35.865855 / 97.661038

CLIENT: CC Environmental LLC  
 CONTACT: Geoff Canty  
 INQUIRY #: 5890570.2s  
 DATE: December 03, 2019 1:38 pm

# DETAIL MAP - 5890570.2S



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  National Wetland Inventory

0 1/8 1/4 1/2 Miles



This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 80 Acre Buchanan Property  
 ADDRESS: CR N 300  
 Crescent OK 73028  
 LAT/LONG: 35.865855 / 97.661038

CLIENT: CC Environmental LLC  
 CONTACT: Geoff Canty  
 INQUIRY #: 5890570.2s  
 DATE: December 03, 2019 1:39 pm

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site list</i></b>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	0	NR	0
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<b><i>Federal institutional controls / engineering controls registries</i></b>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
SHWS	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
LUST	0.500		0	0	0	NR	NR	0
LAST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
FEMA UST	0.250		0	0	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
INST CONTROL	0.500		0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
HIST UST	0.250		0	0	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
OK COMPLAINT	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
ECHO	TP		NR	NR	NR	NR	NR	0
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
MINES MRDS	TP		NR	NR	NR	NR	NR	0

### EDR HIGH RISK HISTORICAL RECORDS

#### ***EDR Exclusive Records***

EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0

### EDR RECOVERED GOVERNMENT ARCHIVES

#### ***Exclusive Recovered Govt. Archives***

RGA HWS	TP		NR	NR	NR	NR	NR	0
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## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
RGA LF	TP		NR	NR	NR	NR	NR	0
RGA LUST	TP		NR	NR	NR	NR	NR	0
- Totals --		0	0	0	0	0	0	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

Count: 0 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NO SITES FOUND					

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **STANDARD ENVIRONMENTAL RECORDS**

### ***Federal NPL site list***

#### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

#### **NPL Site Boundaries**

##### **Sources:**

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

#### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: N/A
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991  
Date Data Arrived at EDR: 02/02/1994  
Date Made Active in Reports: 03/30/1994  
Number of Days to Update: 56

Source: EPA  
Telephone: 202-564-4267  
Last EDR Contact: 08/15/2011  
Next Scheduled EDR Contact: 11/28/2011  
Data Release Frequency: No Update Planned

## ***Federal Delisted NPL site list***

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/25/2019  
Date Data Arrived at EDR: 11/07/2019  
Date Made Active in Reports: 11/20/2019  
Number of Days to Update: 13

Source: EPA  
Telephone: N/A  
Last EDR Contact: 11/07/2019  
Next Scheduled EDR Contact: 01/13/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019  
Date Data Arrived at EDR: 04/05/2019  
Date Made Active in Reports: 05/14/2019  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 703-603-8704  
Last EDR Contact: 10/04/2019  
Next Scheduled EDR Contact: 01/13/2020  
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2019  
Date Data Arrived at EDR: 11/07/2019  
Date Made Active in Reports: 11/21/2019  
Number of Days to Update: 14

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 11/07/2019  
Next Scheduled EDR Contact: 01/27/2020  
Data Release Frequency: Quarterly

## ***Federal CERCLIS NFRAP site list***

SEMS-ARCHIVE: Superfund Enterprise Management System Archive



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 800-424-9346
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 01/27/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/24/2019	Source: EPA
Date Data Arrived at EDR: 06/26/2019	Telephone: 800-424-9346
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 214-665-6444
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

## ***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 214-665-6444
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 214-665-6444
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

## RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 214-665-6444
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/28/2019
Number of Days to Update: 113	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

## ***Federal institutional controls / engineering controls registries***

### LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 08/13/2019	Source: Department of the Navy
Date Data Arrived at EDR: 08/20/2019	Telephone: 843-820-7326
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

### US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

### US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 08/19/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/20/2019	Telephone: 703-603-0695
Date Made Active in Reports: 08/26/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 6	Next Scheduled EDR Contact: 03/09/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Federal ERNS list**

### ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/09/2019  
Date Data Arrived at EDR: 09/09/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 14

Source: National Response Center, United States Coast Guard  
Telephone: 202-267-2180  
Last EDR Contact: 09/09/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Quarterly

## **State- and tribal - equivalent CERCLIS**

### SHWS: Voluntary Cleanup & Superfund Site Status Report

Land restoration projects carried out in several DEQ programs.

Date of Government Version: 12/31/2009  
Date Data Arrived at EDR: 05/28/2010  
Date Made Active in Reports: 07/13/2010  
Number of Days to Update: 46

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 11/11/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: Varies

## **State and tribal landfill and/or solid waste disposal site lists**

### SWF/LF: Permitted Solid Waste Disposal & Processing Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/29/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/26/2019  
Number of Days to Update: 56

Source: Department of Environmental Quality  
Telephone: 405-702-5184  
Last EDR Contact: 11/01/2019  
Next Scheduled EDR Contact: 02/10/2020  
Data Release Frequency: Annually

## **State and tribal leaking storage tank lists**

### LAST: Leaking Aboveground Storage Tanks List

Leaking aboveground storage tank site locations.

Date of Government Version: 09/09/2019  
Date Data Arrived at EDR: 09/25/2019  
Date Made Active in Reports: 11/25/2019  
Number of Days to Update: 61

Source: Oklahoma Corporation Commission  
Telephone: 405-522-4640  
Last EDR Contact: 09/25/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Varies

### LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/09/2019  
Date Data Arrived at EDR: 09/25/2019  
Date Made Active in Reports: 11/25/2019  
Number of Days to Update: 61

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 09/25/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-8677
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/08/2019	Source: EPA, Region 5
Date Data Arrived at EDR: 07/30/2019	Telephone: 312-886-7439
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/11/2019	Source: EPA Region 1
Date Data Arrived at EDR: 07/29/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6271
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/29/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-6597
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3372
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 07/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 10/16/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/24/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 8	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## **State and tribal registered storage tank lists**

FEMA UST: Underground Storage Tank Listing  
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 08/27/2019	Source: FEMA
Date Data Arrived at EDR: 08/28/2019	Telephone: 202-646-5797
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 75	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Varies

UST: Underground Storage Tank Listing  
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/09/2019	Source: Oklahoma Corporation Commission
Date Data Arrived at EDR: 09/25/2019	Telephone: 405-521-3107
Date Made Active in Reports: 11/25/2019	Last EDR Contact: 09/25/2019
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Varies

AST: Aboveground Storage Tanks  
Registered Aboveground Storage Tanks.

Date of Government Version: 09/09/2019	Source: Oklahoma Corporation Commission
Date Data Arrived at EDR: 09/25/2019	Telephone: 405-521-3107
Date Made Active in Reports: 11/25/2019	Last EDR Contact: 09/25/2019
Number of Days to Update: 61	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 04/12/2019	Source: EPA Region 4
Date Data Arrived at EDR: 07/29/2019	Telephone: 404-562-9424
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land  
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 5
Date Data Arrived at EDR: 07/29/2019	Telephone: 312-886-6136
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/01/2019	Source: EPA Region 6
Date Data Arrived at EDR: 07/29/2019	Telephone: 214-665-7591
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/02/2019	Source: EPA Region 8
Date Data Arrived at EDR: 10/22/2019	Telephone: 303-312-6137
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/11/2019	Source: EPA, Region 1
Date Data Arrived at EDR: 07/30/2019	Telephone: 617-918-1313
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 05/02/2019	Source: EPA Region 7
Date Data Arrived at EDR: 07/29/2019	Telephone: 913-551-7003
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2019	Source: EPA Region 9
Date Data Arrived at EDR: 07/29/2019	Telephone: 415-972-3368
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 80	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

## INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/16/2019	Source: EPA Region 10
Date Data Arrived at EDR: 07/30/2019	Telephone: 206-553-2857
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***State and tribal institutional control / engineering control registries***

INST CONTROL: Institutional Control Sites  
Sites with institutional controls in place.

Date of Government Version: 12/28/2018	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/13/2019	Telephone: 405-702-5100
Date Made Active in Reports: 10/17/2019	Last EDR Contact: 11/13/2019
Number of Days to Update: 65	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Quarterly

## ***State and tribal voluntary cleanup sites***

INDIAN VCP R7: Voluntary Cleanup Priority Listing  
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Site Inventory  
Investigations and cleanups by groups or individuals participating in the Voluntary Cleanup Program (VCP).

Date of Government Version: 05/29/2019	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/13/2019	Telephone: 405-702-5100
Date Made Active in Reports: 08/29/2019	Last EDR Contact: 11/13/2019
Number of Days to Update: 77	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing  
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 09/19/2019
Number of Days to Update: 142	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Varies

## ***State and tribal Brownfields sites***

BROWNFIELDS: Brownfield Sites  
Brownfields are defined by Oklahoma law as abandoned, idled or under used industrial or commercial facilities or other real property at which expansion or redevelopment of the real property is complicated by environmental contamination caused by regulated substances. This program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

Date of Government Version: 09/07/2012	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/07/2012	Telephone: 405-702-5100
Date Made Active in Reports: 10/10/2012	Last EDR Contact: 11/08/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: No Update Planned

BROWNFIELDS 2: Brownfields Public Record Listing  
The Brownfields program provides a means for private parties and government entities to voluntarily investigate and if warranted, clean up properties that may be contaminated with hazardous wastes. The formal Brownfields Program provides specific state liability relief and protects the property from federal Superfund actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 08/14/2019  
Date Made Active in Reports: 10/17/2019  
Number of Days to Update: 64

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 11/11/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: Varies

## ADDITIONAL ENVIRONMENTAL RECORDS

### ***Local Brownfield lists***

#### **US BROWNFIELDS: A Listing of Brownfields Sites**

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/03/2019  
Date Data Arrived at EDR: 06/04/2019  
Date Made Active in Reports: 08/26/2019  
Number of Days to Update: 83

Source: Environmental Protection Agency  
Telephone: 202-566-2777  
Last EDR Contact: 09/19/2019  
Next Scheduled EDR Contact: 12/30/2019  
Data Release Frequency: Semi-Annually

### ***Local Lists of Landfill / Solid Waste Disposal Sites***

#### **SWRCY: Recycling Facilities**

A listing of recycling facility locations.

Date of Government Version: 07/10/2019  
Date Data Arrived at EDR: 07/17/2019  
Date Made Active in Reports: 08/29/2019  
Number of Days to Update: 43

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 10/18/2019  
Next Scheduled EDR Contact: 01/27/2020  
Data Release Frequency: Varies

#### **INDIAN ODI: Report on the Status of Open Dumps on Indian Lands**

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-308-8245  
Last EDR Contact: 10/28/2019  
Next Scheduled EDR Contact: 02/10/2020  
Data Release Frequency: Varies

#### **DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009  
Date Data Arrived at EDR: 05/07/2009  
Date Made Active in Reports: 09/21/2009  
Number of Days to Update: 137

Source: EPA, Region 9  
Telephone: 415-947-4219  
Last EDR Contact: 10/17/2019  
Next Scheduled EDR Contact: 02/03/2020  
Data Release Frequency: No Update Planned

#### **ODI: Open Dump Inventory**

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

## IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014  
Date Data Arrived at EDR: 08/06/2014  
Date Made Active in Reports: 01/29/2015  
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service  
Telephone: 301-443-1452  
Last EDR Contact: 11/01/2019  
Next Scheduled EDR Contact: 02/10/2020  
Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 06/11/2019  
Date Data Arrived at EDR: 06/13/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/20/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: No Update Planned

### US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 06/11/2019  
Date Data Arrived at EDR: 06/13/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 82

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 11/20/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: Quarterly

## **Local Lists of Registered Storage Tanks**

### HIST UST: Underground Storage Tank List, List II Version

This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

Date of Government Version: 03/21/2003  
Date Data Arrived at EDR: 04/28/2003  
Date Made Active in Reports: 05/27/2003  
Number of Days to Update: 29

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
Data Release Frequency: No Update Planned

## **Local Land Records**

### LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/25/2019  
Date Data Arrived at EDR: 11/07/2019  
Date Made Active in Reports: 11/20/2019  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 11/07/2019  
Next Scheduled EDR Contact: 01/13/2020  
Data Release Frequency: Semi-Annually

## **Records of Emergency Release Reports**

### HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2019  
Date Data Arrived at EDR: 06/26/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 89

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 09/24/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Quarterly

### OK COMPLAINT: Oklahoma Complaint System Database

Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 06/30/2018  
Date Data Arrived at EDR: 06/11/2019  
Date Made Active in Reports: 06/17/2019  
Number of Days to Update: 6

Source: Oklahoma Conservation Commission  
Telephone: 405-521-4828  
Last EDR Contact: 11/21/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: Annually

## **Other Ascertainable Records**

### RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/24/2019  
Date Data Arrived at EDR: 06/26/2019  
Date Made Active in Reports: 10/17/2019  
Number of Days to Update: 113

Source: Environmental Protection Agency  
Telephone: 214-665-6444  
Last EDR Contact: 10/28/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Quarterly

### FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 05/15/2019  
Date Data Arrived at EDR: 05/21/2019  
Date Made Active in Reports: 08/08/2019  
Number of Days to Update: 79

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 11/19/2019  
Next Scheduled EDR Contact: 03/02/2020  
Data Release Frequency: Varies

### DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/10/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 62

Source: USGS  
Telephone: 888-275-8747  
Last EDR Contact: 10/11/2019  
Next Scheduled EDR Contact: 01/20/2020  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/07/2019
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: N/A

### SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 12/02/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 02/24/2020
	Data Release Frequency: Varies

### US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/24/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/26/2019	Telephone: 202-566-1917
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2019
Number of Days to Update: 89	Next Scheduled EDR Contact: 01/06/2020
	Data Release Frequency: Quarterly

### EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/21/2014	Telephone: 617-520-3000
Date Made Active in Reports: 06/17/2014	Last EDR Contact: 10/31/2019
Number of Days to Update: 88	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

### 2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/08/2018	Telephone: 703-308-4044
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 11/08/2019
Number of Days to Update: 73	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016	Source: EPA
Date Data Arrived at EDR: 06/21/2017	Telephone: 202-260-5521
Date Made Active in Reports: 01/05/2018	Last EDR Contact: 09/19/2019
Number of Days to Update: 198	Next Scheduled EDR Contact: 12/30/2019
	Data Release Frequency: Every 4 Years

## TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2017	Source: EPA
Date Data Arrived at EDR: 11/16/2018	Telephone: 202-566-0250
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 11/22/2019
Number of Days to Update: 370	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Annually

## SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 09/30/2018	Source: EPA
Date Data Arrived at EDR: 04/24/2019	Telephone: 202-564-4203
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/23/2019
Number of Days to Update: 106	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Annually

## ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 703-416-0223
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Annually

## RMP: Risk Management Plans



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/02/2019	Telephone: 202-564-8600
Date Made Active in Reports: 05/23/2019	Last EDR Contact: 10/21/2019
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Varies

### RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

### PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2019	Source: EPA
Date Data Arrived at EDR: 11/07/2019	Telephone: 202-564-6023
Date Made Active in Reports: 11/21/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Quarterly

### PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/20/2019	Source: EPA
Date Data Arrived at EDR: 04/10/2019	Telephone: 202-566-0500
Date Made Active in Reports: 05/14/2019	Last EDR Contact: 10/11/2019
Number of Days to Update: 34	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Annually

### ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/07/2019
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/20/2020
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

**FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)**  
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

**MLTS: Material Licensing Tracking System**

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/20/2019	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 06/20/2019	Telephone: 301-415-7169
Date Made Active in Reports: 08/08/2019	Last EDR Contact: 10/25/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 02/03/2020
	Data Release Frequency: Quarterly

**COAL ASH DOE: Steam-Electric Plant Operation Data**

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 11/06/2019
Number of Days to Update: 76	Next Scheduled EDR Contact: 12/16/2019
	Data Release Frequency: Varies

**COAL ASH EPA: Coal Combustion Residues Surface Impoundments List**

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/25/2019
Number of Days to Update: 251	Next Scheduled EDR Contact: 03/16/2020
	Data Release Frequency: Varies

**PCB TRANSFORMER: PCB Transformer Registration Database**

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/30/2017	Telephone: 202-566-0517
Date Made Active in Reports: 12/15/2017	Last EDR Contact: 11/06/2019
Number of Days to Update: 15	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

**RADINFO: Radiation Information Database**

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 07/01/2019  
Date Made Active in Reports: 09/23/2019  
Number of Days to Update: 84

Source: Environmental Protection Agency  
Telephone: 202-343-9775  
Last EDR Contact: 11/12/2019  
Next Scheduled EDR Contact: 01/13/2020  
Data Release Frequency: Quarterly

## HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2007  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006  
Date Data Arrived at EDR: 03/01/2007  
Date Made Active in Reports: 04/10/2007  
Number of Days to Update: 40

Source: Environmental Protection Agency  
Telephone: 202-564-2501  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/17/2008  
Data Release Frequency: No Update Planned

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/01/2019  
Date Data Arrived at EDR: 07/31/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 85

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 10/29/2019  
Next Scheduled EDR Contact: 02/10/2020  
Data Release Frequency: Quarterly

## CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 06/30/2019  
Date Data Arrived at EDR: 07/16/2019  
Date Made Active in Reports: 10/02/2019  
Number of Days to Update: 78

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 10/02/2019  
Next Scheduled EDR Contact: 01/20/2020  
Data Release Frequency: Varies

## BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015  
Date Data Arrived at EDR: 02/22/2017  
Date Made Active in Reports: 09/28/2017  
Number of Days to Update: 218

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 09/16/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Biennially

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 10/06/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 01/19/2020
	Data Release Frequency: Semi-Annually

## FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 11/04/2019
Number of Days to Update: 3	Next Scheduled EDR Contact: 02/17/2020
	Data Release Frequency: Varies

## UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/01/2019	Source: Department of Energy
Date Data Arrived at EDR: 08/21/2019	Telephone: 505-845-0011
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 11/15/2019
Number of Days to Update: 82	Next Scheduled EDR Contact: 03/02/2020
	Data Release Frequency: Varies

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/25/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/07/2019	Telephone: 703-603-8787
Date Made Active in Reports: 11/20/2019	Last EDR Contact: 11/07/2019
Number of Days to Update: 13	Next Scheduled EDR Contact: 01/13/2020
	Data Release Frequency: Varies

## LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/12/2016  
Date Data Arrived at EDR: 10/26/2016  
Date Made Active in Reports: 02/03/2017  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-2496  
Last EDR Contact: 09/26/2017  
Next Scheduled EDR Contact: 01/08/2018  
Data Release Frequency: Annually

## US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/01/2019  
Date Data Arrived at EDR: 08/27/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 76

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 08/27/2019  
Next Scheduled EDR Contact: 12/09/2019  
Data Release Frequency: Semi-Annually

## MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 06/06/2019  
Date Data Arrived at EDR: 06/06/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 140

Source: DOL, Mine Safety & Health Admi  
Telephone: 202-693-9424  
Last EDR Contact: 12/02/2019  
Next Scheduled EDR Contact: 03/16/2020  
Data Release Frequency: Quarterly

## US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/22/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: Varies

## US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011  
Date Data Arrived at EDR: 06/08/2011  
Date Made Active in Reports: 09/13/2011  
Number of Days to Update: 97

Source: USGS  
Telephone: 703-648-7709  
Last EDR Contact: 11/22/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: Varies

## ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2019  
Date Data Arrived at EDR: 09/10/2019  
Date Made Active in Reports: 10/17/2019  
Number of Days to Update: 37

Source: Department of Interior  
Telephone: 202-208-2609  
Last EDR Contact: 09/10/2019  
Next Scheduled EDR Contact: 12/23/2019  
Data Release Frequency: Quarterly

## FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 05/03/2019  
Date Data Arrived at EDR: 06/05/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 90

Source: EPA  
Telephone: (214) 665-2200  
Last EDR Contact: 09/04/2019  
Next Scheduled EDR Contact: 12/16/2019  
Data Release Frequency: Quarterly

## ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 07/06/2019  
Date Data Arrived at EDR: 07/09/2019  
Date Made Active in Reports: 10/02/2019  
Number of Days to Update: 85

Source: Environmental Protection Agency  
Telephone: 202-564-2280  
Last EDR Contact: 10/08/2019  
Next Scheduled EDR Contact: 01/20/2020  
Data Release Frequency: Quarterly

## DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 07/26/2018  
Date Made Active in Reports: 10/05/2018  
Number of Days to Update: 71

Source: Environmental Protection Agency  
Telephone: 202-564-0527  
Last EDR Contact: 11/20/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: Varies

## UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017  
Date Data Arrived at EDR: 01/17/2019  
Date Made Active in Reports: 04/01/2019  
Number of Days to Update: 74

Source: Department of Defense  
Telephone: 703-704-1564  
Last EDR Contact: 10/10/2019  
Next Scheduled EDR Contact: 01/27/2020  
Data Release Frequency: Varies

## FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/19/2019  
Date Data Arrived at EDR: 08/20/2019  
Date Made Active in Reports: 11/11/2019  
Number of Days to Update: 83

Source: EPA  
Telephone: 800-385-6164  
Last EDR Contact: 11/19/2019  
Next Scheduled EDR Contact: 03/02/2020  
Data Release Frequency: Quarterly

## AIRS: Permitted AIRS Facility Listing

A listing of permitted AIRS facility locations.



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/23/2019  
Date Data Arrived at EDR: 09/24/2019  
Date Made Active in Reports: 11/22/2019  
Number of Days to Update: 59

Source: Department of Environmental Quality  
Telephone: 405-702-4100  
Last EDR Contact: 09/23/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Quarterly

## DRYCLEANERS: Drycleaner Facilities

A listing of drycleaner facility locations.

Date of Government Version: 09/23/2019  
Date Data Arrived at EDR: 09/24/2019  
Date Made Active in Reports: 11/22/2019  
Number of Days to Update: 59

Source: Department of Environmental Quality  
Telephone: 405-702-9100  
Last EDR Contact: 09/23/2019  
Next Scheduled EDR Contact: 01/06/2020  
Data Release Frequency: Quarterly

## Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 07/25/2014  
Date Data Arrived at EDR: 11/06/2014  
Date Made Active in Reports: 01/13/2015  
Number of Days to Update: 68

Source: Department of Environmental Quality  
Telephone: 405-702-5105  
Last EDR Contact: 11/08/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: No Update Planned

## Financial Assurance 2: Financial Assurance Information Listing

Financial Assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/10/2013  
Date Data Arrived at EDR: 12/12/2013  
Date Made Active in Reports: 01/24/2014  
Number of Days to Update: 43

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 11/08/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: No Update Planned

## TIER 2: Tier 2 Data Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2018  
Date Data Arrived at EDR: 09/10/2019  
Date Made Active in Reports: 11/21/2019  
Number of Days to Update: 72

Source: Department of Environmental Quality  
Telephone: 405-702-1000  
Last EDR Contact: 09/06/2019  
Next Scheduled EDR Contact: 12/23/2019  
Data Release Frequency: Annually

## UIC: Underground Injection Wells Database Listing

Class I injection wells. CLASS I wells are used to inject liquid hazardous and non-hazardous wastes beneath the lower most Underground Sources of Drinking Water (USDW).

Date of Government Version: 07/15/2019  
Date Data Arrived at EDR: 07/17/2019  
Date Made Active in Reports: 08/29/2019  
Number of Days to Update: 43

Source: Department of Environmental Quality  
Telephone: 405-702-5188  
Last EDR Contact: 10/17/2019  
Next Scheduled EDR Contact: 01/27/2020  
Data Release Frequency: Varies

## MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 04/06/2018  
Date Data Arrived at EDR: 10/21/2019  
Date Made Active in Reports: 10/24/2019  
Number of Days to Update: 3

Source: USGS  
Telephone: 703-648-6533  
Last EDR Contact: 11/22/2019  
Next Scheduled EDR Contact: 03/09/2020  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

#### EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

#### EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR RECOVERED GOVERNMENT ARCHIVES

### *Exclusive Recovered Govt. Archives*

#### RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/03/2014  
Number of Days to Update: 186

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Oklahoma.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 01/20/2014  
Number of Days to Update: 203

Source: Department of Environmental Quality  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Oklahoma Corporation Commission in Oklahoma.

Date of Government Version: N/A  
Date Data Arrived at EDR: 07/01/2013  
Date Made Active in Reports: 12/27/2013  
Number of Days to Update: 179

Source: Oklahoma Corporation Commission  
Telephone: N/A  
Last EDR Contact: 06/01/2012  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 05/14/2019  
Date Data Arrived at EDR: 05/14/2019  
Date Made Active in Reports: 08/05/2019  
Number of Days to Update: 83

Source: Department of Energy & Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 11/11/2019  
Next Scheduled EDR Contact: 02/24/2020  
Data Release Frequency: No Update Planned

### NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019  
Date Data Arrived at EDR: 05/01/2019  
Date Made Active in Reports: 06/21/2019  
Number of Days to Update: 51

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 10/29/2019  
Next Scheduled EDR Contact: 02/10/2020  
Data Release Frequency: Quarterly

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/31/2018  
Date Data Arrived at EDR: 06/19/2019  
Date Made Active in Reports: 09/03/2019  
Number of Days to Update: 76

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 09/06/2019  
Next Scheduled EDR Contact: 12/23/2019  
Data Release Frequency: Annually

## Oil/Gas Pipelines

Source: Endeavor Business Media  
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

## Electric Power Transmission Line Data

Source: Endeavor Business Media  
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**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## Nursing Homes

Source: National Institutes of Health  
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## Public Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## Private Schools

Source: National Center for Education Statistics  
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## Daycare Centers: Day Care Centers

Source: Department of Human Services  
Telephone: 405-521-3561

**Flood Zone Data:** This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map  
Source: U.S. Geological Survey

### STREET AND ADDRESS INFORMATION

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

80 ACRE BUCHANAN PROPERTY  
CR N 300  
CRESCENT, OK 73028

### TARGET PROPERTY COORDINATES

Latitude (North):	35.865855 - 35° 51' 57.08"
Longitude (West):	97.661038 - 97° 39' 39.74"
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	620887.9
UTM Y (Meters):	3969697.5
Elevation:	970 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	5926422 CASHION, OK
Version Date:	2012
North Map:	5927598 CRESCENT NW, OK
Version Date:	2012

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

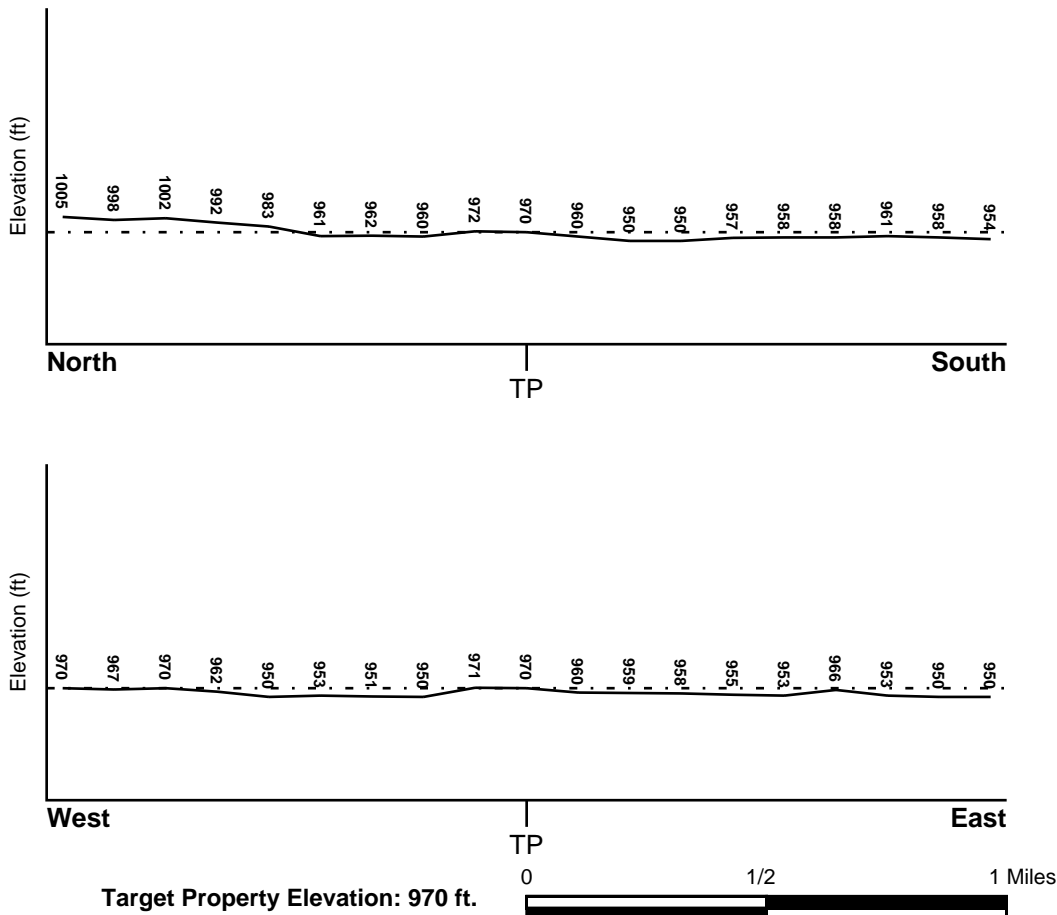
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSW

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.



# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## **FEMA FLOOD ZONE**

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
40073C0485D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
40073C0375D	FEMA FIRM Flood data

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CASHION	YES - refer to the Overview Map and Detail Map

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

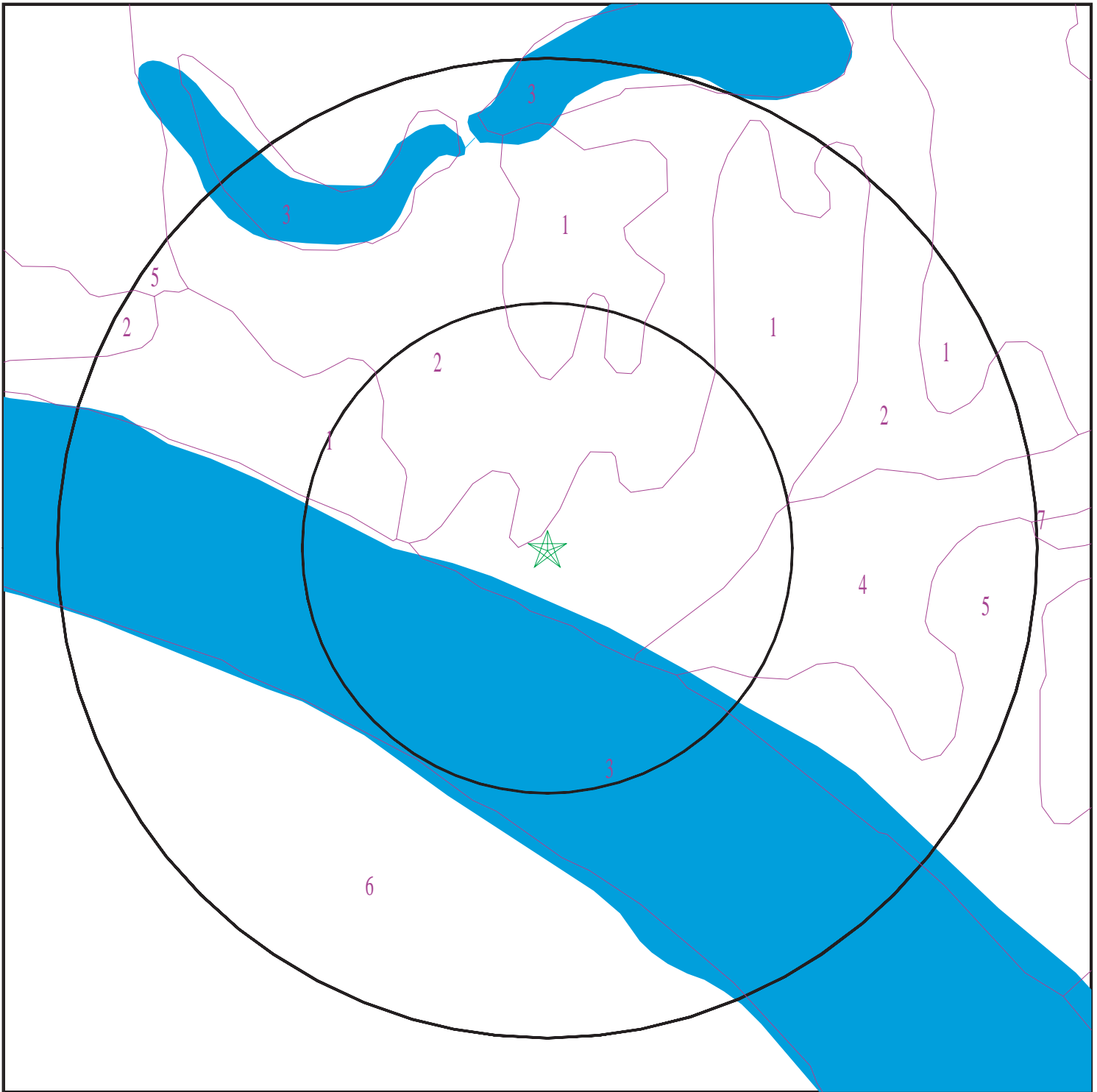
Era:	Cenozoic
System:	Quaternary
Series:	Quaternary
Code:	Q ( <i>decoded above as Era, System &amp; Series</i> )

#### **GEOLOGIC AGE IDENTIFICATION**

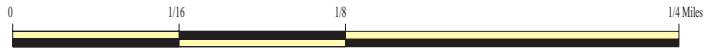
Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 5890570.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: 80 Acre Buchanan Property  
ADDRESS: CR N 300  
Crescent OK 73028  
LAT/LONG: 35.865855 / 97.661038

CLIENT: CC Environmental LLC  
CONTACT: Geoff Canty  
INQUIRY #: 5890570.2s  
DATE: December 03, 2019 1:39 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Goodnight

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	22 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
2	0 inches	7 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
3	22 inches	44 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
4	44 inches	79 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1

### Soil Map ID: 2

Soil Component Name: Goodnight

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	25 inches	64 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
2	9 inches	18 inches	loamy fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
3	0 inches	9 inches	loamy fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
4	18 inches	25 inches	loamy fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
5	64 inches	79 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1

### Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: water

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class:  
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	79 inches	water	Not reported	Not reported	Max: Min:	Max: Min:

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 4

Soil Component Name: Yahola

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 42.33 Min: 14.114	Max: 8.4 Min: 7.9
2	5 inches	33 inches	loam	Not reported	Not reported	Max: 42.33 Min: 14.114	Max: 8.4 Min: 7.9
3	33 inches	79 inches	stratified loamy fine sand to loam	Not reported	Not reported	Max: 42.33 Min: 14.114	Max: 8.4 Min: 7.9

### Soil Map ID: 5

Soil Component Name: Goodnight

Soil Surface Texture: fine sand

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
2	5 inches	20 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1
3	20 inches	79 inches	fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 6.1

### Soil Map ID: 6

Soil Component Name: Gaddy

Soil Surface Texture: fine sandy loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	fine sandy loam	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 7.9
2	5 inches	79 inches	stratified fine sand to clay loam	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 7.9

### Soil Map ID: 7

Soil Component Name: Gaddy

Soil Surface Texture: stratified fine sand to clay loam

Hydrologic Group: Class A - High infiltration rates. Soils are deep, well drained to excessively drained sands and gravels.

Soil Drainage Class: Somewhat excessively drained



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	11 inches	29 inches	stratified fine sand to clay loam	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 7.9
2	0 inches	11 inches	loamy fine sand	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 7.9
3	29 inches	79 inches	stratified fine sand to clay loam	Not reported	Not reported	Max: 141.14 Min: 42.33	Max: 8.4 Min: 7.9

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	USGS40000974087	1/4 - 1/2 Mile North

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

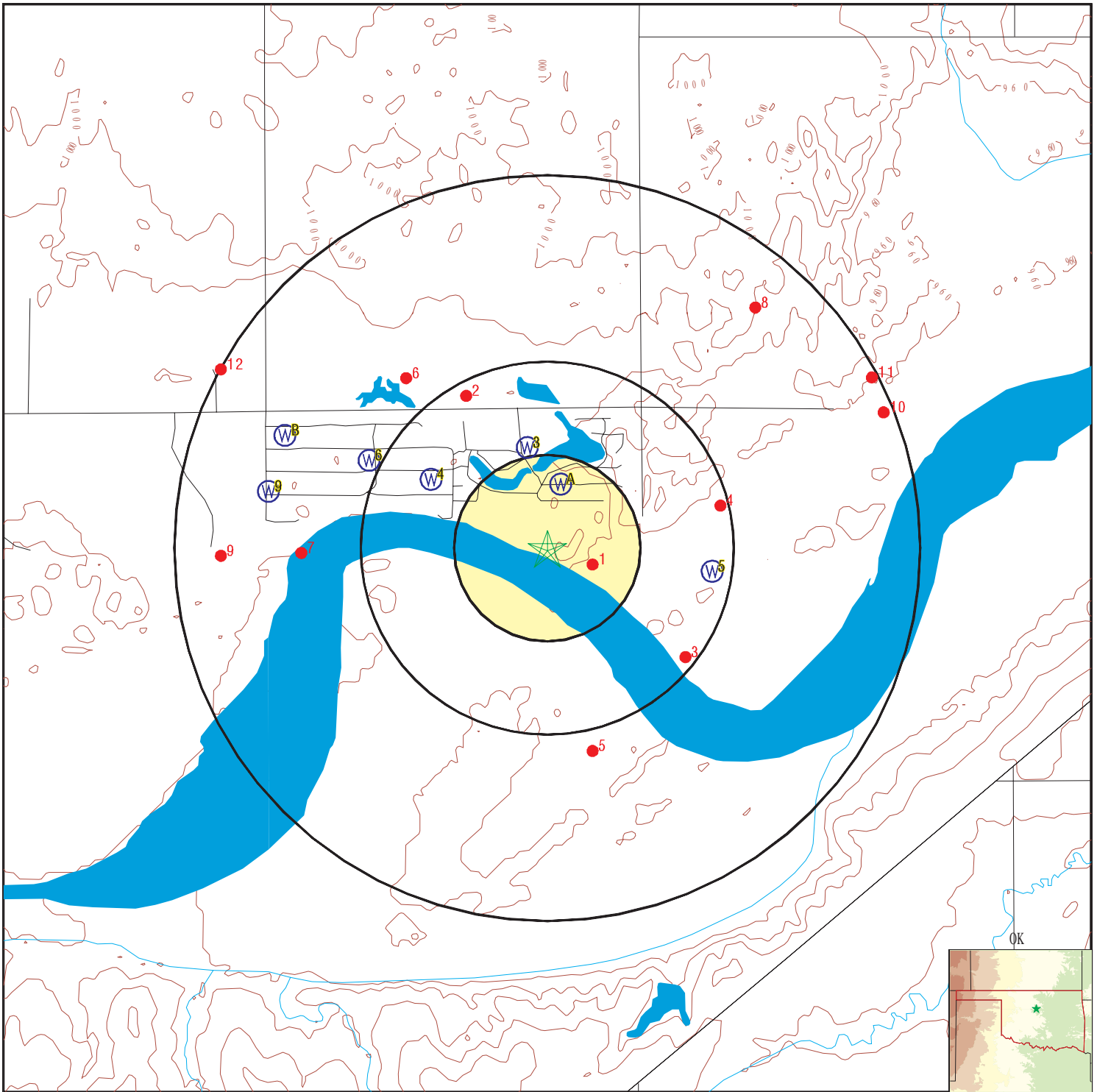
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	OK6000000100433	1/8 - 1/4 Mile North
A2	OK6000000133902	1/8 - 1/4 Mile NNE
4	OK6000000028228	1/4 - 1/2 Mile WNW
5	OK6000000036578	1/4 - 1/2 Mile East
6	OK6000000094338	1/2 - 1 Mile WNW
B7	OK6000000031017	1/2 - 1 Mile WNW
B8	OK6000000099664	1/2 - 1 Mile WNW
9	OK6000000151312	1/2 - 1 Mile WNW
B10	OK6000000139604	1/2 - 1 Mile WNW

## OTHER STATE DATABASE INFORMATION

## STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	OKOG20000193103	1/8 - 1/4 Mile ESE
2	OKOG20000195555	1/4 - 1/2 Mile NNW
3	OKOG20000191187	1/4 - 1/2 Mile SE
4	OKOG20000192677	1/4 - 1/2 Mile ENE
5	OKOG20000191486	1/2 - 1 Mile SSE
6	OKOG20000197468	1/2 - 1 Mile NW
7	OKOG20000193613	1/2 - 1 Mile West
8	OKOG20000193258	1/2 - 1 Mile NE
9	OKOG20000166200	1/2 - 1 Mile West
10	OKOG20000194937	1/2 - 1 Mile ENE
11	OKOG20000191987	1/2 - 1 Mile ENE
12	OKOG20000171323	1/2 - 1 Mile WNW

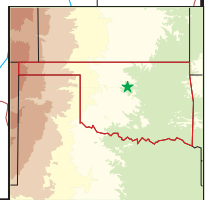
# PHYSICAL SETTING SOURCE MAP - 5890570.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons



- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells



SITE NAME: 80 Acre Buchanan Property  
 ADDRESS: CR N 300  
 Crescent OK 73028  
 LAT/LONG: 35.865855 / 97.661038

CLIENT: CC Environmental LLC  
 CONTACT: Geoff Canty  
 INQUIRY #: 5890570.2s  
 DATE: December 03, 2019 1:39 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**A1**  
**North**  
**1/8 - 1/4 Mile**  
**Lower**

**OK WELLS      OK6000000100433**

Well ID:	100109	Permit #:	Not Reported
Well Owner:	Lee Rule	Well Type:	Groundwater Well
Water Use:	Irrigation	Elevation:	0
Total Well Depth:	45	Depth to First Water:	0
Approximate Yield:	15	Construction Date:	20051027
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=100109">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=100109</a>		

**A2**  
**NNE**  
**1/8 - 1/4 Mile**  
**Lower**

**OK WELLS      OK6000000133902**

Well ID:	150817	Permit #:	Not Reported
Well Owner:	David Heath	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	45	Depth to First Water:	0
Approximate Yield:	16	Construction Date:	2013 4 9
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=150817">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=150817</a>		

**3**  
**North**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40000974087**

Organization ID:	USGS-OK	Organization Name:	USGS Oklahoma Water Science Center
Monitor Location:	16N-04W-18 ABA 1	Type:	Well
Description:	Not Reported	HUC:	11050002
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported		
Formation Type:	Cimarron Terrace and Alluvial Aquifer		
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	27.96	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	1	Level reading date:	1985-05-22
Feet below surface:	6.03	Feet to sea level:	Not Reported
Note:	Not Reported		

**4**  
**WNW**  
**1/4 - 1/2 Mile**  
**Lower**

**OK WELLS      OK6000000028228**

Well ID:	28754	Permit #:	Not Reported
Well Owner:	Twin Lake Sport Club	Well Type:	Groundwater Well
Water Use:	Industrial	Elevation:	0

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total Well Depth:	40	Depth to First Water:	11.8999996185303
Approximate Yield:	150	Construction Date:	1992 317
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=28754">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=28754</a>		

**5**  
**East**  
**1/4 - 1/2 Mile**  
**Lower** **OK WELLS**    **OK6000000036578**

Well ID:	38803	Permit #:	Not Reported
Well Owner:	BRENT HERREN	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	42	Depth to First Water:	20
Approximate Yield:	60	Construction Date:	1996 5 8
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=38803">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=38803</a>		

**6**  
**WNW**  
**1/2 - 1 Mile**  
**Lower** **OK WELLS**    **OK6000000094338**

Well ID:	94718	Permit #:	Not Reported
Well Owner:	Paul Cummings	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	43	Depth to First Water:	0
Approximate Yield:	25	Construction Date:	2005 531
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=94718">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=94718</a>		

**B7**  
**WNW**  
**1/2 - 1 Mile**  
**Higher** **OK WELLS**    **OK6000000031017**

Well ID:	31208	Permit #:	Not Reported
Well Owner:	Bruce Ligon	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	36	Depth to First Water:	6
Approximate Yield:	80	Construction Date:	1994 3 3
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=31208">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=31208</a>		

**B8**  
**WNW**  
**1/2 - 1 Mile**  
**Higher** **OK WELLS**    **OK6000000099664**

Well ID:	101427	Permit #:	Not Reported
Well Owner:	Shawnee Indian Health Service	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	50	Depth to First Water:	0
Approximate Yield:	40	Construction Date:	2006 4 1

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=101427">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=101427</a>		

**9  
WNW  
1/2 - 1 Mile  
Higher**

**OK WELLS    OK6000000151312**

Well ID:	153654	Permit #:	Not Reported
Well Owner:	Henry Rodriques	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	60	Depth to First Water:	15
Approximate Yield:	20	Construction Date:	2013 626
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=153654">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=153654</a>		

**B10  
WNW  
1/2 - 1 Mile  
Higher**

**OK WELLS    OK6000000139604**

Well ID:	138727	Permit #:	Not Reported
Well Owner:	Bill Balding	Well Type:	Groundwater Well
Water Use:	Domestic	Elevation:	0
Total Well Depth:	60	Depth to First Water:	15
Approximate Yield:	15	Construction Date:	2011 920
Aquifer Code:	Not Reported	Basin Code:	Not Reported
URL:	<a href="http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=138727">http://www.owrb.ok.gov/wd/reporting/printreport.php?siteid=138727</a>		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database      EDR ID Number

**1**

**ESE**

**1/8 - 1/4 Mile**

**OIL\_GAS**

**OKOG20000193103**

Fid:	193102	Api county:	083
Api number:	21578	Well name:	ZACHGO 18
Well no:	1	Oper name:	GLM ENERGY INC
Oper no:	21301	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	18	Township:	16N
Range:	4W	Quarter1:	NE4
Quarter2:	SE4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	660
Direct ns:	S	Feet ew:	1980
Direct ew:	W	Latitude:	35.86517
Longitude:	-97.65855	G elevatio:	0
D el:	0	Completion:	0
Dept:	0	Site id:	OKOG20000193103

**2**

**NNW**

**1/4 - 1/2 Mile**

**OIL\_GAS**

**OKOG20000195555**

Fid:	195554	Api county:	083
Api number:	24223	Well name:	MURRAY
Well no:	2-7-18H	Oper name:	STEPHENS PRODUCTION CO
Oper no:	23030	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	IM
Section:	7	Township:	16N
Range:	4W	Quarter1:	SE
Quarter2:	SW	Quarter3:	SW
Quarter4:	SW	Feet ns:	206
Direct ns:	S	Feet ew:	2464
Direct ew:	E	Latitude:	35.871731
Longitude:	-97.664589	G elevatio:	960
D el:	979	Completion:	2014-02-06
Dept:	1190	Site id:	OKOG20000195555

**3**

**SE**

**1/4 - 1/2 Mile**

**OIL\_GAS**

**OKOG20000191187**

Fid:	191186	Api county:	083
Api number:	00376	Well name:	ZACHGO
Well no:	1	Oper name:	GLM ENERGY INC
Oper no:	21301	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	17	Township:	16N
Range:	4W	Quarter1:	SW4
Quarter2:	CNW4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	660
Direct ns:	N	Feet ew:	660
Direct ew:	W	Latitude:	35.861571



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Longitude:	-97.65411	G elevatio:	0
D el:	0	Completion:	1964-09-28
Dept:	0	Site id:	OKOG20000191187

---

**4**

**ENE**

**1/4 - 1/2 Mile**

**OIL\_GAS**

**OKOG20000192677**

Fid:	192676	Api county:	083
Api number:	21119	Well name:	HERREN
Well no:	1	Oper name:	GLM ENERGY INC
Oper no:	21301	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	17	Township:	16N
Range:	4W	Quarter1:	NW4
Quarter2:	NW4	Quarter3:	SE4
Quarter4:	SE4	Feet ns:	1497
Direct ns:	S	Feet ew:	1143
Direct ew:	W	Latitude:	35.867463
Longitude:	-97.65244	G elevatio:	0
D el:	0	Completion:	1979-04-14
Dept:	5978	Site id:	OKOG20000192677

---

**5**

**SSE**

**1/2 - 1 Mile**

**OIL\_GAS**

**OKOG20000191486**

Fid:	191485	Api county:	083
Api number:	00698	Well name:	MURRAY
Well no:	1	Oper name:	OTC/OCC NOT ASSIGNED
Oper no:	9998	Status:	PA
Well class:	Not Reported	Operstatus:	Not Reported
Countycode:	083	Meridan:	Indian
Section:	18	Township:	16N
Range:	4W	Quarter1:	SE4
Quarter2:	CSE4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	0
Direct ns:	Not Reported	Feet ew:	0
Direct ew:	Not Reported	Latitude:	35.857918
Longitude:	-97.65855	G elevatio:	0
D el:	0	Completion:	1964-06-05
Dept:	0	Site id:	OKOG20000191486

---

**6**

**NW**

**1/2 - 1 Mile**

**OIL\_GAS**

**OKOG20000197468**

Fid:	197467	Api county:	083
Api number:	50046	Well name:	OSWALD
Well no:	1-7	Oper name:	C & Y CASING PULLING COMPANY
Oper no:	333	Status:	AC
Well class:	OIL	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	7	Township:	16N
Range:	4W	Quarter1:	SW4

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Quarter2:	CSE4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	660
Direct ns:	S	Feet ew:	2014
Direct ew:	W	Latitude:	35.872421
Longitude:	-97.66746	G elevatio:	961
D el:	0	Completion:	1964-06-22
Dept:	6851	Site id:	OKOG20000197468

**7**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS      OKOG20000193613**

Fid:	193612	Api county:	083
Api number:	22168	Well name:	TWIN LAKES
Well no:	1	Oper name:	GLM ENERGY INC
Oper no:	21301	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	18	Township:	16N
Range:	4W	Quarter1:	NW4
Quarter2:	SW4	Quarter3:	NW4
Quarter4:	SE4	Feet ns:	960
Direct ns:	S	Feet ew:	410
Direct ew:	W	Latitude:	35.865622
Longitude:	-97.67247	G elevatio:	0
D el:	0	Completion:	1982-10-27
Dept:	0	Site id:	OKOG20000193613

**8**  
**NE**  
**1/2 - 1 Mile**

**OIL\_GAS      OKOG20000193258**

Fid:	193257	Api county:	083
Api number:	21749	Well name:	BASS-ZACHGO UNIT
Well no:	1	Oper name:	GLM ENERGY INC
Oper no:	21301	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	8	Township:	16N
Range:	4W	Quarter1:	SW4
Quarter2:	NE4	Quarter3:	SW4
Quarter4:	Not Reported	Feet ns:	1650
Direct ns:	S	Feet ew:	1775
Direct ew:	W	Latitude:	35.875168
Longitude:	-97.65077	G elevatio:	0
D el:	0	Completion:	1981-07-09
Dept:	0	Site id:	OKOG20000193258

**9**  
**West**  
**1/2 - 1 Mile**

**OIL\_GAS      OKOG20000166200**

Fid:	166199	Api county:	073
Api number:	00237	Well name:	BOECKMAN
Well no:	1	Oper name:	OTC/OCC NOT ASSIGNED
Oper no:	9998	Status:	AC

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well class:	Not Reported	Operstatus:	Not Reported
Countycode:	073	Meridan:	Indian
Section:	13	Township:	16N
Range:	5W	Quarter1:	NE4
Quarter2:	CSE4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	3300
Direct ns:	S	Feet ew:	4620
Direct ew:	W	Latitude:	35.865509
Longitude:	-97.67631	G elevatio:	0
D el:	0	Completion:	1964-03-31
Dept:	0	Site id:	OKOG20000166200

**10  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      OKOG20000194937**

Fid:	194936	Api county:	083
Api number:	23605	Well name:	RIVERBEND
Well no:	2	Oper name:	SHIELDS OPERATING INC
Oper no:	20721	Status:	AC
Well class:	OIL	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	8	Township:	16N
Range:	4W	Quarter1:	SE4
Quarter2:	SW4	Quarter3:	E2
Quarter4:	W2	Feet ns:	0
Direct ns:	Not Reported	Feet ew:	0
Direct ew:	Not Reported	Latitude:	35.87109
Longitude:	-97.64464	G elevatio:	951
D el:	0	Completion:	2002-10-16
Dept:	5325	Site id:	OKOG20000194937

**11  
ENE  
1/2 - 1 Mile**

**OIL\_GAS      OKOG20000191987**

Fid:	191986	Api county:	083
Api number:	20369	Well name:	HERREN
Well no:	1	Oper name:	SHIELDS OPERATING INC
Oper no:	20721	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	083	Meridan:	Indian
Section:	8	Township:	16N
Range:	4W	Quarter1:	SE4
Quarter2:	CSW4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	660
Direct ns:	S	Feet ew:	660
Direct ew:	W	Latitude:	35.872449
Longitude:	-97.6452	G elevatio:	962
D el:	0	Completion:	1975-04-08
Dept:	6691	Site id:	OKOG20000191987

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance

Database EDR ID Number

**12**  
**WNW**  
**1/2 - 1 Mile**

**OIL\_GAS OKOG20000171323**

Fid:	171322	Api county:	073
Api number:	30209	Well name:	MARTHENA MCCONNELL
Well no:	1	Oper name:	LINDENMUTH & ASSOCIATES INC
Oper no:	15851	Status:	AC
Well class:	Not Reported	Operstatus:	OPEN
Countycode:	073	Meridan:	Indian
Section:	12	Township:	16N
Range:	5W	Quarter1:	SE4
Quarter2:	CSE4	Quarter3:	Not Reported
Quarter4:	Not Reported	Feet ns:	0
Direct ns:	Not Reported	Feet ew:	0
Direct ew:	Not Reported	Latitude:	35.872761
Longitude:	-97.67631	G elevatio:	0
D el:	0	Completion:	1965-04-01
Dept:	0	Site id:	OKOG20000171323

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: OK Radon

### Radon Test Results

Zipcode	Num Tests	# > 4 pCi/L	Maximum	Average
73028	2	0	1	0.95

Federal EPA Radon Zone for LOGAN County: 3

- Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for Zip Code: 73028

Number of sites tested: 1

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

## HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### Reported Well Locations in Oklahoma

Source: Oklahoma Water Resources Board

Telephone: 405-530-8800

## OTHER STATE DATABASE INFORMATION

#### Oil and Gas Well Listing

Source: Oklahoma Corporation Commission

Telephone: 405-521-3636

Oil and gas well locations in the state.

#### Oil and Gas Well Listing

Source: Osage Nation Environmental and Natural Resources

Telephone: 918-287-5333

Oil and gas well locations.

### RADON

#### State Database: OK Radon

Source: Department of Environmental Quality

Telephone: 405-702-5100

Radon Information

#### Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### OTHER

Airport Landing Facilities: Private and public use landing facilities  
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater  
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

### **STREET AND ADDRESS INFORMATION**

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80 Acre Buchanan Property

CR N 300

Crescent, OK 73028

Inquiry Number: 5890570.3

December 03, 2019

## Certified Sanborn® Map Report



6 Armstrong Road, 4th floor  
Shelton, CT 06484  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# Certified Sanborn® Map Report

12/03/19

**Site Name:**

80 Acre Buchanan Property  
CR N 300  
Crescent, OK 73028  
EDR Inquiry # 5890570.3

**Client Name:**

CC Environmental LLC  
P.O. Box 1292  
Norman, OK 73070  
Contact: Geoff Canty



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by CC Environmental LLC were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn).

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

### Certified Sanborn Results:

**Certification #** 7D6F-42FD-B9A4  
**PO #** NA  
**Project** 80 Acre Buchanan Property

### UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.



Sanborn® Library search results

Certification #: 7D6F-42FD-B9A4

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

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## 17.4.2 User Questionnaire

## PHASE I USER QUESTIONNAIRE

**PROJECT NAME:** Dolese Bros. Co. Crescent Sand Plant – Buchanan Property Acquisition

**SITE LOCATION:** The South Half (S ½) of the Northeast Quarter (NE ¼) of Section Eighteen (18), Township Sixteen (16) North, Range Four (4) West of the Indian Meridian

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The following questionnaire is required component of the ASTM Standard E-1527-13, which adheres to the All Appropriate Inquiries Rule. In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001), the *User* must conduct the following inquiries required by 40 CFR 312.25, 312.28, 312.29, 312.30, and 312.31. These inquiries must also be conducted by EPA Brownfield Assessment and Characterization grantees. The user should provide the following information to the environmental professional. Failure to conduct these inquiries could result in a determination that “all appropriate inquiries” is not complete.

If needed, please use additional paper to explain your answers.

**1. Filed or Recorded Environmental Liens Against the *Property***

Did a search of *recorded land title records* (or judicial records where appropriate, see **Note 1** below) identify any environmental liens filed or recorded against the *property* under federal, tribal, state, or local law?

No

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**Note 1**-In certain jurisdictions, federal, tribal, state or local statutes, or regulations specify that environmental liens and AULs be filed in judicial records rather than in land title records. In such cases judicial records must be searched for environmental liens and AULs.

**2. Activity and Land Use Limitations (AULs)**

Did a search of *recorded land title records* (or judicial records where appropriate, see **Note 1** above) identify any AULs, such as *engineering controls*, land use restrictions or *institutional controls* that are in place at the *property* and/or have been filed or recorded against the *property* under federal, tribal, state or local law?

No

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**3. Specialized Knowledge or Experience**

Do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an *adjoining property* so that you would have specialized knowledge of the chemicals and processes used by this type of business?

No

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**4. Property Purchase Price Related to the Fair Market Value**

Does the purchase price being paid for this *property* reasonably reflect the fair market value of the *property*? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the *property*?

Yes

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**5. Commonly Known or Reasonably Ascertainable Information About the Property**

Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases?

For example, as the *User*:

a. Do you know the past uses of the *property*? No

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b. Do you know of specific chemicals that are present or once were present at the *property*?

No

---



---

c. Do you know of spills or other chemical releases that have taken place at the *property*?

No

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d. Do you know of any environmental cleanups that have taken place at the *property*?

No

---



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**6. Presence or Likely Presence of Contamination at the *Property***

Based on your knowledge and experience related to the *property* are there any obvious indicators that point to the presence or likely presence of releases at the *property*?

No

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**7. Phase I Site Assessment Purpose**

Why is this Phase I Site Assessment being conducted (e.g., due diligence, lender requirement, etc...)?

This Phase I Site Assessment is being conducted as part of Dolese Bros. Co.'s proposed acquisition and purchase of the property.

**8. Current Owner Information**

Please identify the current owner of the *property*: Sharon Buchanan

Owner's phone number: (405) 227-5388

This owner has owned the property since (date): Unknown

**9. Title Search**

Has a Title Search been conducted for this *property*? Yes

If yes, would you please provide a copy for review and inclusion in the report? When Available

If not, would you like us to provide one (out of scope, additional charge)? \_\_\_\_\_

**CERTIFICATION**

**I certify that the responses are accurate to the best of my knowledge.**

Name: Thomas A. Dupuis

Title: Environmental Advisor

Company: Dolese Bros. Co.

Signature: Thomas A. Dupuis Date: 5 December, 2019

### 17.4.3 OK Water Resources Board Records



theoklahomawaterresourcesboard

Download Results to CSV <small>(ALT-D)</small>	New Search <small>(ALT-N)</small>	Graph Water Levels <small>(ALT-G)</small>	Save Wells for Graphing <small>(ALT-W)</small>
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[View Drought Monitoring Map and Water Level Graphs](#)

[Help & Search Results Key](#)

**Search Results for 18, 16N, 04WI**

Displaying Results 1 through 8 of 8.

Well ID	County	Owner Name	Qtrs	SEC-TWP-RGE	Date Const	Well Type	Use	TD (ft)	Static WL	First Zone	Meas. WL	Est. Yld	WL Graph
28754	Logan	Twin Lake Sport Club	SENENW	18-16N-04WI	03/17/92	Groundwater Well	Industrial	40	n/a	11.9	n/a	150	<input type="checkbox"/>
31208	Logan	Bruce Ligon	NWNWNW	18-16N-04WI	03/03/94	Groundwater Well	Domestic	36	6	6	n/a	80	<input type="checkbox"/>
94718	Logan	Paul Cummings	SWNENW	18-16N-04WI	05/31/05	Groundwater Well	Domestic	43	n/a	n/a	n/a	25	<input type="checkbox"/>
101427	Logan	Shawnee Indian Health Service	NWNWNW	18-16N-04WI	04/01/06	Groundwater Well	Domestic	50	n/a	n/a	n/a	40	<input type="checkbox"/>
100109	Garfield	Lee Rule	SWNE	18-16N-04WI	10/27/05	Groundwater Well	Irrigation	45	10	n/a	n/a	15	<input type="checkbox"/>
138727	Logan	Bill Balding	NWNWNW	18-16N-04WI	09/20/11	Groundwater Well	Domestic	60	15	15	n/a	15	<input type="checkbox"/>
150817	Logan	David Heath	SWNE	18-16N-04WI	04/09/13	Groundwater Well	Domestic	45	n/a	n/a	n/a	16	<input type="checkbox"/>
153654	Logan	Henry Rodriques	SWNWNW	18-16N-04WI	06/26/13	Groundwater Well	Domestic	60	15	15	n/a	20	<input type="checkbox"/>

**Help & Search Results Key**

This search does not necessarily contain information about all of the water wells within the area of interest. The multi-purpose well completion report database consists of information submitted to the Board for all well data reported by licensed firms since 1982 and monitoring well data reported since 1988. There could be other wells in the area, which are not included in our database. Wells drilled prior to the licensing requirements for well drillers would not necessarily have had a well log submitted to the OWRB. A field survey may need to be conducted to verify the presence or absence of other water wells.

The Oklahoma Water Resources Board does not guarantee the accuracy of the data shown in the well completion records. Data entered into the database are as reported by the well drillers and much of the data have not been field verified for accuracy. If any errors in the records are discovered, please bring them to our attention so that corrections to the database may be made.

[contact OWRB](#) | [disclaimer](#)

[Visit OK.gov, the Official Website of the State of Oklahoma.](#)

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### **17.4.4 OK Corporation Commission Records**



Basic Well Information

[Home](#)

API Number:

Operator Name:

Well Name:

County:

OG Well Status:

Effective Date:

Operator No.:

Well No.:

Code:

Class:

Legal Location:

Quarters:

Surface Footages:

Latitude:

Dist.:

[Permits](#) [Completions](#) [Production](#) [All Images](#)

Legal Location  example: 0711N10E or 1201N24ECM

Check to exclude ECM Legal Locations

API #  example: 00724967

Well Name  example: "Hudson 1-12" or "hudson"

Operator #  example: 01701-0 or 01701

District #  example: 1

Effective/Approved Date  to  example: 1/1/2001 or 1/1/2001 to 1/31/2001

Scan Date  to  example: 1/1/2001 or 1/1/2001 to 1/31/2001

Type in your search criteria then click the 'Search' button.

Page 1 of 1 4 Documents Found

ID	Form	Legal_Location	API	Well_Name	Operator_#	Eff/Test_Date	ScanDate
<a href="#">1288285</a>	1002A	1816N04W SE NE	08321578	ZACHGO 18-1		1/16/1981	12/30/1999
<a href="#">1288291</a>	1002A	1816N04W SE NE	08321578	ZACHGO 18-1		1/16/1981	12/30/1999
<a href="#">1762470</a>	1073	1816N04W SE NE	08321578	ZACHGO 18-1		10/15/2004	10/18/2004
<a href="#">3202819</a>	1073	1816N04W SE NE	08321578	ZACHGO 18-1		4/17/2007	4/24/2007

[Home](#)

